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SAFETY DATA SHEET

i.1 all-purpose cleaner FlexDose

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

▼ *Trade name:*

i.1 all-purpose cleaner FlexDose

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses of the substance or mixture:

Washing and cleaning products (including solvent based products)
Restricted to professional users.

Uses advised against :

None known.

1.3. Details of the supplier of the safety data sheet

Company and address:

Hygeniq B.V.
Postbus 618
7500 AP Enschede
The Netherlands
+31 53 4282860
+31 53 5393865
www.hygeniq.com

E-mail:

info@hygeniq.com

Revision:

27/06/2025

SDS Version:

2.0

Date of previous version:

02/06/2025 (1.0)

1.4. Emergency telephone number

The National Poisons Information Centre (NPIC)
Public: +353 (0) 1 809 2166 (7 days a week, 8am- 10pm)
Healthcare professionals: +353 (0) 1 809 2566 (24 h service)
See also section 4 "First aid measures"

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Not classified according to Regulation (EC) No. 1272/2008 (CLP).

2.2. Label elements

Hazard pictogram(s):

Not applicable.

Signal word:

Not applicable.

Hazard statement(s):

Not applicable.

Precautionary statement(s):

General:

-

Prevention:

-

Response:

-

Storage:

-

Disposal:

-

Hazardous substances:

Does not contain any substances required to report

Additional labelling:

EUH210, Safety data sheet available on request.

Labelling of contents according to Detergents Regulation (EC) No 648/2004 (applicable to packaging of detergents sold to the general public):

>5% - <15%

· Non-ionic surfactants

< 5%

· Anionic surfactants

· Oxygen-based bleaching Agents

· Perfumes

· Preservation agent (BENZISOTHIAZOLINONE)

2.3. Other hazards

Additional warnings:

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2023/707.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable. This product is a mixture.

3.2. Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
Alcohol, C13, bran., EO, sulfate Na~	CAS No.: 150413-26-6 EC No.: 688-316-0 REACH: Index No.:	1-3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 3, H412	
hydrogen peroxide	CAS No.: 7722-84-1 EC No.: 231-765-0 REACH: 01-2119485845-22-XXXX Index No.: 008-003-00-9	1-3%	Ox. Liq. 1, H271 Acute Tox. 4, H302 Skin Corr. 1A, H314 (SCL: 70.00 %) Skin Corr. 1B, H314 (SCL: 50.00 %) Skin Irrit. 2, H315 (SCL: 35.00 %) Eye Dam. 1, H318 (SCL: 8.00 %)	

			Eye Irrit. 2, H319 (SCL: 5.00 %) Acute Tox. 4, H332 STOT SE 3, H336 (SCL: 35.00 %)	
citroenzuurmonohydraat	CAS No.: 5949-29-1 EC No.: 611-842-9 REACH: 01-2119457026-42-XXXX Index No.:	<0.1%	Eye Irrit. 2, H319	
Disodium tin hexahydroxide	CAS No.: 12027-70-2 EC No.: 234-724-5 REACH: 01-2120770924-45-XXXX Index No.:	<0.05%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	[1]

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information

[1] European occupational exposure limit.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General information:

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet.
Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

Inhalation:

Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

Skin contact:

Upon irritation: rinse with water. In the event of continued irritation, seek medical assistance.

Eye contact:

If in eyes: Flush eyes with water or saline water (20-30 °C) for at least 5 minutes. Remove contact lenses. Seek medical assistance and continue flushing during transport.

Ingestion:

If the person is conscious, rinse the mouth with water and stay with the person. Never give the person anything to drink.

In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the person lean forward with head down to avoid inhalation of or choking on vomited material.

Burns:

Not applicable.

4.2. Most important symptoms and effects, both acute and delayed

None known.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

Information to medics

Bring this safety data sheet or the label from this product.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Not applicable.

5.2. Special hazards arising from the substance or mixture

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

Carbon oxides (CO / CO₂)

5.3. Advice for firefighters

No specific requirements.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation, especially in confined areas.

Contaminated areas may be slippery.

6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.

Keep unauthorized persons away from the spill

6.3. Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections

See section 13 "Disposal considerations" on handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Smoking, drinking and consumption of food is not allowed in the work area.

See section 8 "Exposure controls/personal protection" for information on personal protection.

7.2. Conditions for safe storage, including any incompatibilities

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Recommended storage material:

Keep only in original packaging.

Storage conditions:

Dry, cool and well ventilated

Incompatible materials:

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

hydrogen peroxide

Long term exposure limit (8 hours) (mg/m³): 1.5

Long term exposure limit (8 hours) (ppm): 1

Short term exposure limit (15 minutes) (mg/m³): 3

Short term exposure limit (15 minutes) (ppm): 2

2024 Code of Practice for the Safety, Health and Welfare at Work (Chemical Agents) Regulations (2001-2021) and the Safety, Health and Welfare at Work (Carcinogens, Mutagens and Reprotoxic Substances) Regulations (2024).

DNEL

1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	0.345 mg/kg
Long term – Systemic effects - Workers	Dermal	966 µg/kg bw/day
Long term – Systemic effects - General population	Inhalation	1.2 mg/m ³
Long term – Systemic effects - Workers	Inhalation	6.81 mg/m ³

Disodium tin hexahydroxide

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	1.21 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	3.37 mg/kg bw/day
Long term – Systemic effects - General population	Inhalation	1.78 mg/m ³
Long term – Systemic effects - Workers	Inhalation	11.9 mg/m ³
Long term – Systemic effects - General population	Oral	1.21 mg/kg bw/day

hydrogen peroxide

Duration:	Route of exposure:	DNEL:
Long term – Local effects - General population	Inhalation	0.21 mg/m ³
Long term – Local effects - General population	Inhalation	210 µg/m ³
Long term – Local effects - Workers	Inhalation	1.4 mg/m ³
Short term – Local effects - General population	Inhalation	1.93 mg/m ³
Short term – Local effects - Workers	Inhalation	3 mg/m ³

PNEC

1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		4.03 µg/L
Freshwater sediment		49.9 µg/kg
Intermittent release (freshwater)		1.1 µg/L
Intermittent release (marine water)		110 ng/L
Marine water		403 ng/L
Marine water sediment		4.99 µg/kg
Sewage treatment plant		1.03 mg/L
Soil		3 mg/kg

Disodium tin hexahydroxide

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		33.1 µg/L
Freshwater sediment		1.395 mg/kg
Intermittent release (freshwater)		331 µg/L
Intermittent release (marine water)		33.1 µg/L
Marine water		3.31 µg/L
Marine water sediment		139.46 µg/kg

Sewage treatment plant		10 mg/L
hydrogen peroxide		
Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		0,0126 mg/L
Freshwater		12.6 µg/L
Freshwater sediment		0,047 mg/kg
Freshwater sediment		47 µg/kg
Intermittent release (freshwater)		13.8 µg/L
Marine water		0,047 mg/L
Marine water		12.6 µg/L
Marine water sediment		0,047 mg/L
Marine water sediment		47 µg/kg
Sewage treatment plant		4.66 mg/L
Sewage treatment plant		4.66 mg/L
Soil		0,023 mg/kg
Soil		2.3 µg/kg

8.2. Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

General recommendations:

Smoking, drinking and consumption of food is not allowed in the work area.

Exposure scenarios:

There are no exposure scenarios implemented for this product.

Exposure limits:

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

Appropriate technical measures:

The formation of vapours must be kept at a minimum and below current limit values (see above). Installation of a local exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure eyewash and emergency showers are clearly marked.

Apply standard precautions during use of the product. Avoid inhalation of vapours.

Hygiene measures:

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Pay special attention to hands, forearms and face.

Measures to avoid environmental exposure:

No specific requirements.

Individual protection measures, such as personal protective equipment

Generally:

Use only CE marked protective equipment.

Respiratory Equipment:

Type	Class	Colour	Standards	
No special when used as intended.				

Skin protection:

Recommended	Type/Category	Standards	
No special when used as intended.	-	-	

Hand protection:

Work situation	Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
	No special when used as intended	-	-	-	
In the event of prolonged exposure or high concentrations	Cotton/Latex	-	> 120	EN374-2, EN16523-1, EN388	

Eye protection:

Work situation	Type	Standards	
	No special when used as intended.	-	
In the event of prolonged exposure or high concentrations	Safety glasses with side shields.	EN166	

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state:

Liquid

Colour:

Colourless

Odour / Odour threshold:

Of perfume

pH:

ca. 4.8

Density (g/cm³):

1.02 (20 °C)

Kinematic viscosity:

No data available.

Particle characteristics:

Does not apply to liquids.

Phase changes

Melting point/Freezing point (°C):

No data available.

Softening point/range (°C):

Does not apply to liquids.

Boiling point (°C):

No data available.

Vapour pressure:

No data available.

Relative vapour density:

No data available.

Decomposition temperature (°C):

No data available.

Data on fire and explosion hazards

Flash point (°C):

No data available.

Flammability (°C):

No data available.

Auto-ignition temperature (°C):

No data available.

Lower and upper explosion limit (% v/v):

No data available.

Solubility

Solubility in water:

Completely soluble

n-octanol/water coefficient (LogKow):

No data available.

Solubility in fat (g/L):

No data available.

9.2. Other information

Other physical and chemical parameters:

No data available.

Oxidizing properties:

No data available.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

10.2. Chemical stability

The product is stable under the conditions, noted in section 7 "Handling and storage".

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Product/substance	hydrogen peroxide
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	1.193 - 1.270 mg/L

Product/substance	hydrogen peroxide
Species:	Rabbit
Route of exposure:	Dermal
Test:	LD50
Result:	>2.000 (35% oplossing) mg/kg

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Species:	Rat

Route of exposure: Oral
Test: LD50
Result: 500 mg/kg

Based on available data, the classification criteria are not met.

Skin corrosion/irritation

Product/substance: hydrogen peroxide
Result: Adverse effect observed (Irritating)

Product/substance: 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Test method: OECD 404
Result: Adverse effect observed (Irritating)

Based on available data, the classification criteria are not met.

Serious eye damage/irritation

Product/substance: hydrogen peroxide
Result: Adverse effect observed (Causes serious eye damage)

Product/substance: 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Test method: OECD 405
Result: Adverse effect observed (Causes serious eye damage)

Based on available data, the classification criteria are not met.

Respiratory sensitisation

Product/substance: hydrogen peroxide
Result: No adverse effect observed (not sensitising)

Based on available data, the classification criteria are not met.

Skin sensitisation

Product/substance: 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Test method: OECD 429
Species: Mouse
Result: Adverse effect observed (sensitising)

Product/substance: 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Test method: OECD 406
Species: Guinea pig
Result: Adverse effect observed (sensitising)

Based on available data, the classification criteria are not met.

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Product/substance: hydrogen peroxide
Conclusion: No adverse effect observed

Based on available data, the classification criteria are not met.

Reproductive toxicity

Product/substance: hydrogen peroxide
Conclusion: No adverse effect observed

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Product/substance: hydrogen peroxide
Based on available data, the classification criteria are not met.

11.2. Information on other hazards

Long term effects

None known.

Endocrine disrupting properties

This mixture/product does not contain any substances known to have hormone-disrupting properties in relation to health.

Other information

hydrogen peroxide has been classified by IARC as a group 3 carcinogen.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Product/substance	hydrogen peroxide
Species:	Fish, Pimephales promelas
Duration:	96 hours
Test:	LC50
Result:	16,4 mg/L

Product/substance	hydrogen peroxide
Species:	Fish, Leuciscus idus
Duration:	72 hours
Test:	LC50
Result:	35 mg/L

Product/substance	hydrogen peroxide
Species:	Fish, Oncorhynchus mykiss
Duration:	7 days
Test:	LC50
Result:	38,5 mg/L

Product/substance	hydrogen peroxide
Species:	Daphnia pulex
Duration:	48 hours
Test:	EC50
Result:	2,4 mg/L

Product/substance	hydrogen peroxide
Species:	Daphnia magna
Duration:	24 hours
Test:	EC50
Result:	7,7 mg/L

Product/substance	hydrogen peroxide
Species:	Skeletonema costatum
Duration:	72 hours
Test:	EC50
Result:	1,38 mg/L

Product/substance	hydrogen peroxide
Test method:	OECD 209
Species:	Bacteria
Compartment:	Activated Sludge Plant
Duration:	30 minutes
Test:	EC50
Result:	466 mg/L

Product/substance	hydrogen peroxide
Test method:	OECD 209

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Species:	Bacteria
Compartment:	Activated Sludge Plant
Duration:	3 hours
Test:	EC50
Result:	> 1.000 mg/L

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Species:	Fish
Duration:	96 hours
Test:	LC50
Result:	>0.1-1 mg/L

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Species:	Crustacean
Duration:	48 hours
Test:	EC50
Result:	>0.1-1 mg/L

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Species:	Algae
Duration:	72 hours
Test:	EC50
Result:	>0.1-1 mg/L

Based on available data, the classification criteria are not met.

12.2. Persistence and degradability

Product/substance	Alcohol, C13, bran., EO, sulfate Na~
Result:	> 60 %
Conclusion:	Readily biodegradable
Test:	OECD 301 B

Product/substance	hydrogen peroxide
Conclusion:	Readily biodegradable

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Result:	90%
Conclusion:	Readily biodegradable
Test:	OECD 302

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

12.3. Bioaccumulative potential

Product/substance	hydrogen peroxide
LogKow:	-1,57
Conclusion:	-

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
BCF:	2
LogKow:	1.45
Conclusion:	Potential for bioaccumulation is low

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

12.6. Endocrine disrupting properties

This mixture/product does not contain any substances considered to have endocrine-disrupting properties in relation

to the environment.

12.7. Other adverse effects

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Product is covered by the regulations on hazardous waste. (*)

HP 4 - Irritant (skin irritation and eye damage)

Commission Regulation (EU) No 1357/2014 of 18 December 2014 on waste.

EWC code:

20 01 30

Detergents other than those mentioned in 20 01 29

Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: TRANSPORT INFORMATION

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Packing group

** Environmental hazards

Additional information

Not dangerous goods according to ADR, IATA and IMDG.

14.6. Special precautions for user

Not applicable.

14.7. Maritime transport in bulk according to IMO instruments

No data available.

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Restrictions for application:

Restricted to professional users.

Demands for specific education:

No specific requirements.

SEVESO - Categories / dangerous substances:

Not applicable.

Regulation on explosives precursors:

hydrogen peroxide (Annex I)

Labelling of contents according to Detergents Regulation (EC) No 648/2004:

>5% - <15%

· Non-ionic surfactants

< 5%

· Anionic surfactants

· Oxygen-based bleaching Agents

- Perfumes
- Preservation agent (BENZISOTHIAZOLINONE)

Additional information:

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

Sources:

Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents.
Commission Regulation (EU) No 1357/2014 of 18 December 2014 on waste.
Council Regulation (EC) No 2019/1148 on explosives precursors.
Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (CLP).
Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

15.2. Chemical safety assessment

No

SECTION 16: OTHER INFORMATION

Full text of H-phrases as mentioned in section 3

H271, May cause fire or explosion; strong oxidiser.
H302, Harmful if swallowed.
H314, Causes severe skin burns and eye damage.
H315, Causes skin irritation.
H318, Causes serious eye damage.
H319, Causes serious eye irritation.
H332, Harmful if inhaled.
H335, May cause respiratory irritation.
H336, May cause drowsiness or dizziness.
H412, Harmful to aquatic life with long lasting effects.

Abbreviations and acronyms

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway
ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
CAS = Chemical Abstracts Service
CE = Conformité Européenne (European conformity)
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
CSA = Chemical Safety Assessment
CSR = Chemical Safety Report
DMEL = Derived Minimal Effect Level
DNEL = Derived No Effect Level
EINECS = European Inventory of Existing Commercial chemical Substances
ES = Exposure Scenario
EUH statement = CLP-specific Hazard statement
EuPCS = European Product Categorisation System
EWC = European Waste Catalogue
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
GWP = Global warming potential
IARC = International Agency for Research on Cancer (IARC)
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)

OECD = Organisation for Economic Co-operation and Development
PBT = Persistent, Bioaccumulative and Toxic
PNEC = Predicted No Effect Concentration
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
RRN = REACH Registration Number
SCL = A specific concentration limit
SVHC = Substances of Very High Concern
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
STOT-SE = Specific Target Organ Toxicity - Single Exposure
TWA = Time weighted average
UN = United Nations
UVBC = Unknown or variable composition, complex reaction products or of biological materials
VOC = Volatile Organic Compound
vPvB = Very Persistent and Very Bioaccumulative

Additional information

Not applicable.

The safety data sheet is validated by

Quality & Compliance

Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

Country-language: IE-en

SAFETY DATA SHEET

i.1 all-purpose cleaner FlexDose

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

▼ *Trade name:*

i.1 all-purpose cleaner FlexDose

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses of the substance or mixture:

Washing and cleaning products (including solvent based products)
Restricted to professional users.

Uses advised against :

None known.

1.3. Details of the supplier of the safety data sheet

Company and address:

Hygeniq B.V.
Postbus 618
7500 AP Enschede
The Netherlands
+31 53 4282860
+31 53 5393865
www.hygeniq.com

E-mail:

info@hygeniq.com

Revision:

27/06/2025

SDS Version:

2.0

Date of previous version:

02/06/2025 (1.0)

1.4. Emergency telephone number

Israel Poison Information Center

Acute poisoning (hotline): 04-7771900 (24h service).

For drug information and consultations pertaining to exposure of pregnant or breast feeding women to drugs, chemicals, and other poisons the center can be called Sundays through Thursdays between 09:00 to 15:00.

See section 4 "First aid measures".

SECTION 2: HAZARDS IDENTIFICATION

Classified according to Israeli Standard SI 2302.

2.1. Classification of the substance or mixture

Not classified according to Regulation (EC) No. 1272/2008 (CLP).

2.2. Label elements

Hazard pictogram(s):

Not applicable.

Signal word:

Not applicable.

Hazard statement(s):

Not applicable.

Precautionary statement(s):

General:

-

Prevention:

-

Response:

-

Storage:

-

Disposal:

-

Hazardous substances:

Does not contain any substances required to report

Additional labelling:

EUH210, Safety data sheet available on request.

2.3. Other hazards

Additional warnings:

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2023/707.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable. This product is a mixture.

3.2. Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
Alcohol, C13, bran., EO, sulfate Na~	CAS No.: 150413-26-6 EC No.: 688-316-0 REACH: Index No.:	1-3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 3, H412	
hydrogen peroxide	CAS No.: 7722-84-1 EC No.: 231-765-0 REACH: 01-2119485845-22-XXXX Index No.: 008-003-00-9	1-3%	Ox. Liq. 1, H271 Acute Tox. 4, H302 Skin Corr. 1A, H314 (SCL: 70.00 %) Skin Corr. 1B, H314 (SCL: 50.00 %) Skin Irrit. 2, H315 (SCL: 35.00 %) Eye Dam. 1, H318 (SCL: 8.00 %) Eye Irrit. 2, H319 (SCL: 5.00 %) Acute Tox. 4, H332 STOT SE 3, H336 (SCL: 35.00 %)	
citroenzuurmonohydraat	CAS No.: 5949-29-1 EC No.: 611-842-9 REACH: 01-2119457026-42-XXXX	<0.1%	Eye Irrit. 2, H319	

	Index No.:			
Disodium tin hexahydroxide	CAS No.: 12027-70-2 EC No.: 234-724-5 REACH: 01-2120770924-45-XXXX Index No.:	<0.05%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	[1]

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information

[1] European occupational exposure limit.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General information:

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

Inhalation:

Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

Skin contact:

Upon irritation: rinse with water. In the event of continued irritation, seek medical assistance.

Eye contact:

If in eyes: Flush eyes with water or saline water (20-30 °C) for at least 5 minutes. Remove contact lenses. Seek medical assistance and continue flushing during transport.

Ingestion:

If the person is conscious, rinse the mouth with water and stay with the person. Never give the person anything to drink. In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the person lean forward with head down to avoid inhalation of or choking on vomited material.

Burns:

Not applicable.

4.2. Most important symptoms and effects, both acute and delayed

None known.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

Information to medics

Bring this safety data sheet or the label from this product.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Not applicable.

5.2. Special hazards arising from the substance or mixture

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are

produced. These are:
Carbon oxides (CO / CO₂)

5.3. Advice for firefighters

No specific requirements.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation, especially in confined areas.
Contaminated areas may be slippery.

6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.
Keep unauthorized persons away from the spill

6.3. Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.
Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections

See section 13 "Disposal considerations" on handling of waste.
See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Smoking, drinking and consumption of food is not allowed in the work area.
See section 8 "Exposure controls/personal protection" for information on personal protection.

7.2. Conditions for safe storage, including any incompatibilities

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Recommended storage material:

Keep only in original packaging.

Storage conditions:

Dry, cool and well ventilated

Incompatible materials:

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

hydrogen peroxide
Long term exposure limit (OSHA Table Z-1) (mg/m³): 1.4
Long term exposure limit (OSHA Table Z-1) (ppm): 1
Long term exposure limit (ACGIH TLV) (ppm): 1

Part 1910 - Occupational Safety and Health Standards (29 CFR 1910.1000 TABLE Z-1 - Limits for Air Contaminants)

DNEL

1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	0.345 mg/kg

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Long term – Systemic effects - Workers	Dermal	966 µg/kg bw/day
Long term – Systemic effects - General population	Inhalation	1.2 mg/m ³
Long term – Systemic effects - Workers	Inhalation	6.81 mg/m ³

Disodium tin hexahydroxide

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	1.21 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	3.37 mg/kg bw/day
Long term – Systemic effects - General population	Inhalation	1.78 mg/m ³
Long term – Systemic effects - Workers	Inhalation	11.9 mg/m ³
Long term – Systemic effects - General population	Oral	1.21 mg/kg bw/day

hydrogen peroxide

Duration:	Route of exposure:	DNEL:
Long term – Local effects - General population	Inhalation	0,21 mg/m ³
Long term – Local effects - General population	Inhalation	210 µg/m ³
Long term – Local effects - Workers	Inhalation	1.4 mg/m ³
Short term – Local effects - General population	Inhalation	1.93 mg/m ³
Short term – Local effects - Workers	Inhalation	3 mg/m ³

PNEC

1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		4.03 µg/L
Freshwater sediment		49.9 µg/kg
Intermittent release (freshwater)		1.1 µg/L
Intermittent release (marine water)		110 ng/L
Marine water		403 ng/L
Marine water sediment		4.99 µg/kg
Sewage treatment plant		1.03 mg/L
Soil		3 mg/kg

Disodium tin hexahydroxide

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		33.1 µg/L
Freshwater sediment		1.395 mg/kg
Intermittent release (freshwater)		331 µg/L
Intermittent release (marine water)		33.1 µg/L
Marine water		3.31 µg/L
Marine water sediment		139.46 µg/kg
Sewage treatment plant		10 mg/L

hydrogen peroxide

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		0,0126 mg/L
Freshwater		12.6 µg/L
Freshwater sediment		0,047 mg/kg

Freshwater sediment		47 µg/kg
Intermittent release (freshwater)		13.8 µg/L
Marine water		0,047 mg/L
Marine water		12.6 µg/L
Marine water sediment		0,047 mg/L
Marine water sediment		47 µg/kg
Sewage treatment plant		4.66 mg/L
Sewage treatment plant		4.66 mg/L
Soil		0,023 mg/kg
Soil		2.3 µg/kg

8.2. Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

General recommendations:

Smoking, drinking and consumption of food is not allowed in the work area.

Exposure scenarios:

There are no exposure scenarios implemented for this product.

Exposure limits:

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

Appropriate technical measures:

The formation of vapours must be kept at a minimum and below current limit values (see above). Installation of a local exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure eyewash and emergency showers are clearly marked.

Apply standard precautions during use of the product. Avoid inhalation of vapours.

Hygiene measures:

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Pay special attention to hands, forearms and face.

Measures to avoid environmental exposure:

No specific requirements.

Individual protection measures, such as personal protective equipment

Generally:

Use only CE marked protective equipment.

Respiratory Equipment:

Type	Class	Colour	Standards	
No special when used as intended.				

Skin protection:

Recommended	Type/Category	Standards	
No special when used as intended.	-	-	

Hand protection:

Work situation	Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
	No special when used as intended	-	-	-	
In the event of prolonged exposure or high concentrations	Cotton/Latex	-	> 120	EN374-2, EN16523-1, EN388	

Eye protection:

Work situation	Type	Standards	
	No special when used as intended.	-	
In the event of prolonged exposure or high concentrations	Safety glasses with side shields.	EN166	

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state:

Liquid

Colour:

Colourless

Odour / Odour threshold:

Of perfume

pH:

ca. 4.8

Density (g/cm³):

1.02 (20 °C)

Kinematic viscosity:

No data available.

Particle characteristics:

Does not apply to liquids.

Phase changes

Melting point/Freezing point (°C):

No data available.

Softening point/range (°C):

Does not apply to liquids.

Boiling point (°C):

No data available.

Vapour pressure:

No data available.

Relative vapour density:

No data available.

Decomposition temperature (°C):

No data available.

Data on fire and explosion hazards

Flash point (°C):

No data available.

Flammability (°C):

No data available.

Auto-ignition temperature (°C):

No data available.

Lower and upper explosion limit (% v/v):

No data available.

Solubility

Solubility in water:

Completely soluble

n-octanol/water coefficient (LogKow):

No data available.

Solubility in fat (g/L):

No data available.

9.2. Other information

Other physical and chemical parameters:

No data available.

Oxidizing properties:

No data available.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

10.2. Chemical stability

The product is stable under the conditions, noted in section 7 "Handling and storage".

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Product/substance	hydrogen peroxide
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	1.193 - 1.270 mg/L

Product/substance	hydrogen peroxide
Species:	Rabbit
Route of exposure:	Dermal
Test:	LD50
Result:	>2.000 (35% oplossing) mg/kg

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	500 mg/kg

Based on available data, the classification criteria are not met.

Skin corrosion/irritation

Product/substance	hydrogen peroxide
Result:	Adverse effect observed (Irritating)

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Test method:	OECD 404
Result:	Adverse effect observed (Irritating)

Based on available data, the classification criteria are not met.

Serious eye damage/irritation

Product/substance	hydrogen peroxide
Result:	Adverse effect observed (Causes serious eye damage)

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Test method:	OECD 405
Result:	Adverse effect observed (Causes serious eye damage)

Based on available data, the classification criteria are not met.

Respiratory sensitisation

Product/substance	hydrogen peroxide
Result:	No adverse effect observed (not sensitising)

Based on available data, the classification criteria are not met.

Skin sensitisation

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Test method:	OECD 429
Species:	Mouse
Result:	Adverse effect observed (sensitising)

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Test method:	OECD 406
Species:	Guinea pig
Result:	Adverse effect observed (sensitising)

Based on available data, the classification criteria are not met.

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Product/substance	hydrogen peroxide
Conclusion:	No adverse effect observed

Based on available data, the classification criteria are not met.

Reproductive toxicity

Product/substance	hydrogen peroxide
Conclusion:	No adverse effect observed

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Product/substance	hydrogen peroxide
Based on available data, the classification criteria are not met.	

11.2. Information on other hazards

Long term effects

None known.

Endocrine disrupting properties

This mixture/product does not contain any substances known to have hormone-disrupting properties in relation to health.

Other information

hydrogen peroxide has been classified by IARC as a group 3 carcinogen.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Product/substance: hydrogen peroxide
Species: Fish, Pimephales promelas
Duration: 96 hours
Test: LC50
Result: 16,4 mg/L

Product/substance: hydrogen peroxide
Species: Fish, Leuciscus idus
Duration: 72 hours
Test: LC50
Result: 35 mg/L

Product/substance: hydrogen peroxide
Species: Fish, Oncorhynchus mykiss
Duration: 7 days
Test: LC50
Result: 38,5 mg/L

Product/substance: hydrogen peroxide
Species: Daphnia pulex
Duration: 48 hours
Test: EC50
Result: 2,4 mg/L

Product/substance: hydrogen peroxide
Species: Daphnia magna
Duration: 24 hours
Test: EC50
Result: 7,7 mg/L

Product/substance: hydrogen peroxide
Species: Skeletonema costatum
Duration: 72 hours
Test: EC50
Result: 1,38 mg/L

Product/substance: hydrogen peroxide
Test method: OECD 209
Species: Bacteria
Compartment: Activated Sludge Plant
Duration: 30 minutes
Test: EC50
Result: 466 mg/L

Product/substance: hydrogen peroxide
Test method: OECD 209
Species: Bacteria
Compartment: Activated Sludge Plant
Duration: 3 hours
Test: EC50
Result: > 1.000 mg/L

Product/substance: 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Species: Fish
Duration: 96 hours

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Test: LC50
Result: >0.1-1 mg/L

Product/substance 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Species: Crustacean
Duration: 48 hours
Test: EC50
Result: >0.1-1 mg/L

Product/substance 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Species: Algae
Duration: 72 hours
Test: EC50
Result: >0.1-1 mg/L

Based on available data, the classification criteria are not met.

12.2. Persistence and degradability

Product/substance Alcohol, C13, bran., EO, sulfate Na~
Result: > 60 %
Conclusion: Readily biodegradable
Test: OECD 301 B

Product/substance hydrogen peroxide
Conclusion: Readily biodegradable

Product/substance 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Result: 90%
Conclusion: Readily biodegradable
Test: OECD 302

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

12.3. Bioaccumulative potential

Product/substance hydrogen peroxide
LogKow: -1,57
Conclusion: -

Product/substance 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
BCF: 2
LogKow: 1.45
Conclusion: Potential for bioaccumulation is low

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

12.6. Endocrine disrupting properties

This mixture/product does not contain any substances considered to have endocrine-disrupting properties in relation to the environment.

12.7. Other adverse effects

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Product is covered by the regulations on hazardous waste. (*)
HP 4 - Irritant (skin irritation and eye damage)
Commission Regulation (EU) No 1357/2014 of 18 December 2014 on waste.

EWC code:
20 01 30 Detergents other than those mentioned in 20 01 29

Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: TRANSPORT INFORMATION

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Packing group

** Environmental hazards

Additional information

Not dangerous goods according to ADR, IATA and IMDG.

14.6. Special precautions for user

Not applicable.

14.7. Maritime transport in bulk according to IMO instruments

No data available.

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Restrictions for application:

Restricted to professional users.

Demands for specific education:

No specific requirements.

SEVESO - Categories / dangerous substances:

Not applicable.

Regulation on explosives precursors:

hydrogen peroxide (Annex I)

Additional information:

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

Sources:

Prevention of Environmental Nuisances Law 5752-1992

Council Regulation (EC) No 2019/1148 on explosives precursors.

Israeli Standard SI 2302 Part 1 – Dangerous substances and mixtures: Classification, labelling, marking and packaging.

Israeli Standard SI 2302 Part 2 – Transportation: Classification, labelling, marking and packaging.

15.2. Chemical safety assessment

No

SECTION 16: OTHER INFORMATION

Full text of H-phrases as mentioned in section 3

H271, May cause fire or explosion; strong oxidiser.
H302, Harmful if swallowed.
H314, Causes severe skin burns and eye damage.
H315, Causes skin irritation.
H318, Causes serious eye damage.
H319, Causes serious eye irritation.
H332, Harmful if inhaled.
H335, May cause respiratory irritation.
H336, May cause drowsiness or dizziness.
H412, Harmful to aquatic life with long lasting effects.

Abbreviations and acronyms

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway
ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
CAS = Chemical Abstracts Service
CE = Conformité Européenne (European conformity)
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
CSA = Chemical Safety Assessment
CSR = Chemical Safety Report
DMEL = Derived Minimal Effect Level
DNEL = Derived No Effect Level
EINECS = European Inventory of Existing Commercial chemical Substances
ES = Exposure Scenario
EUH statement = CLP-specific Hazard statement
EuPCS = European Product Categorisation System
EWC = European Waste Catalogue
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
GWP = Global warming potential
IARC = International Agency for Research on Cancer (IARC)
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
OECD = Organisation for Economic Co-operation and Development
PBT = Persistent, Bioaccumulative and Toxic
PNEC = Predicted No Effect Concentration
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
RRN = REACH Registration Number
SCL = A specific concentration limit
SVHC = Substances of Very High Concern
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
STOT-SE = Specific Target Organ Toxicity - Single Exposure
TWA = Time weighted average
UN = United Nations
UVBC = Unknown or variable composition, complex reaction products or of biological materials
VOC = Volatile Organic Compound
vPvB = Very Persistent and Very Bioaccumulative

Additional information

Not applicable.

The safety data sheet is validated by

Quality & Compliance

Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

Country-language: IL-en

SAFETY DATA SHEET

i.1 all-purpose cleaner FlexDose

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

SDS created for INDIA according to GHS

1.1. Product identifier

▼ *Trade name:*

i.1 all-purpose cleaner FlexDose

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses of the substance or mixture:

Washing and cleaning products (including solvent based products)

Restricted to professional users.

Uses advised against :

None known.

1.3. Details of the supplier of the safety data sheet

Company and address:

Hygeniq B.V.

Postbus 618

7500 AP Enschede

The Netherlands

+31 53 4282860

+31 53 5393865

www.hygeniq.com

E-mail:

info@hygeniq.com

SDS date:

27/06/2025

SDS Version:

2.0

Date of previous version:

02/06/2025 (1.0)

1.4. Emergency telephone number

Contact the local emergency services.

See section 4 "First aid measures".

SECTION 2: HAZARDS IDENTIFICATION

Classified according to GHS.

2.1. Classification of the substance or mixture

Skin Irrit. 3; H316, Causes mild skin irritation

2.2. Label elements

Hazard pictogram(s):

Not applicable.

Signal word:

Warning

Hazard statement(s):

Causes mild skin irritation (H316)

Precautionary statement(s):

General:

-

Prevention:

-

Response:

If skin irritation occurs: Get medical advice/attention. (P332+P313)

Storage:

-

Disposal:

-

Hazardous substances:

Does not contain any substances required to report

Additional labelling:

Not applicable.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable. This product is a mixture.

3.2. Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
Alcohol, C13, bran., EO, sulfate Na~	CAS No.: 150413-26-6 EC No.: 688-316-0	1-3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 3, H412	
hydrogen peroxide	CAS No.: 7722-84-1 EC No.: 231-765-0	1-3%	Ox. Liq. 1, H271 Acute Tox. 4, H302 Skin Corr. 1A, H314 (SCL: 70.00 %) Skin Corr. 1B, H314 (SCL: 50.00 %) Skin Irrit. 2, H315 (SCL: 35.00 %) Eye Dam. 1, H318 (SCL: 8.00 %) Eye Irrit. 2, H319 (SCL: 5.00 %) Acute Tox. 4, H332 STOT SE 3, H336 (SCL: 35.00 %)	
citroenzuurmonohydraat	CAS No.: 5949-29-1 EC No.: 611-842-9	<0.1%	Eye Irrit. 2, H319	

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information

-

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General information:

In the case of accident: Contact a doctor or casualty department – bring the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

Inhalation:

Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

Skin contact:

Remove contaminated clothing and shoes immediately. Ensure to wash exposed skin thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or thinners.

Eye contact:

If in eyes: Flush eyes with water or saline water (20-30 °C) for at least 5 minutes. Remove contact lenses. Seek medical assistance and continue flushing during transport.

Ingestion:

If the person is conscious, rinse the mouth with water and stay with the person. Never give the person anything to drink.

In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the person lean forward with head down to avoid inhalation of or choking on vomited material.

Burns:

Not applicable.

4.2. Most important symptoms and effects, both acute and delayed

None known.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

Information to medics

Bring this safety data sheet or the label from this product.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Not applicable.

5.2. Special hazards arising from the substance or mixture

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

Carbon oxides (CO / CO₂)

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact the national poisons emergency services in order to obtain further advice.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Contaminated areas may be slippery.

6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.

Keep unauthorized persons away from the spill

6.3. Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.
Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections

See section 13 "Disposal considerations" on handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Smoking, drinking and consumption of food is not allowed in the work area.

See section 8 "Exposure controls/personal protection" for information on personal protection.

7.2. Conditions for safe storage, including any incompatibilities

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Recommended storage material:

Keep only in original packaging.

Storage conditions:

Dry, cool and well ventilated

Incompatible materials:

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

No substances are listed with an occupational exposure limit.

8.2. Exposure controls

Apply general control to prevent unnecessary exposure

General recommendations:

Smoking, drinking and consumption of food is not allowed in the work area.

Exposure scenarios:

There are no exposure scenarios implemented for this product.

Exposure limits:

Occupational exposure limits have not been defined for the substances in this product.

Appropriate technical measures:

Apply standard precautions during use of the product. Avoid inhalation of vapours.

Hygiene measures:

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Pay special attention to hands, forearms and face.

Measures to avoid environmental exposure:

No specific requirements.

Individual protection measures, such as personal protective equipment

Generally:

Use only CE marked protective equipment.

Respiratory Equipment:

Type	Class	Colour	Standards	
No special when used as intended.				

Skin protection:

Recommended	Type/Category	Standards	
No special when used as intended.	-	-	

Hand protection:

Work situation	Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
	No special when used as intended	-	-	-	
In the event of prolonged exposure or high concentrations	Cotton/Latex	-	> 120	EN374-2, EN16523-1, EN388	

Eye protection:

Work situation	Type	Standards	
	No special when used as intended.	-	
In the event of prolonged exposure or high concentrations	Safety glasses with side shields.	EN166	

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Form:

Liquid

Colour:

Colourless

Odour:

Of perfume

Odour threshold (ppm):

No data available.

pH:

ca. 4.8

Density (g/cm³):

1.02 (20 °C)

Kinematic viscosity:

No data available.

Particle characteristics:

Does not apply to liquids.

Phase changes

Melting point/Freezing point (°C):

No data available.

Softening point/range (°C):

Does not apply to liquids.

Boiling point (°C):

No data available.

Vapour pressure:

No data available.

Relative vapour density:

No data available.

Decomposition temperature (°C):

No data available.

Evaporation rate (n-butylacetate = 100):

Data on fire and explosion hazards

Flash point (°C):

No data available.

Flammability (°C):

No data available.

Auto-ignition temperature (°C):

No data available.

Explosion limits (% v/v):

No data available.

Solubility

Solubility in water:

Completely soluble

n-octanol/water coefficient (LogKow):

No data available.

Solubility in fat (g/L):

No data available.

9.2. Other information

No data available.

Other physical and chemical parameters:

No data available.

Oxidizing properties:

No data available.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

10.2. Chemical stability

The product is stable under the conditions, noted in section 7 "Handling and storage".

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity

Product/substance	hydrogen peroxide
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	1.193 - 1.270 mg/L

Product/substance	hydrogen peroxide
Species:	Rabbit
Route of exposure:	Dermal
Test:	LD50
Result:	>2.000 (35% oplossing) mg/kg

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	500 mg/kg

Based on available data, the classification criteria are not met.

Skin corrosion/irritation

Product/substance	hydrogen peroxide
Result:	Adverse effect observed (Irritating)

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Test method:	OECD 404
Result:	Adverse effect observed (Irritating)

Based on available data, the classification criteria are not met.

Serious eye damage/irritation

Product/substance	hydrogen peroxide
Result:	Adverse effect observed (Causes serious eye damage)

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Test method:	OECD 405
Result:	Adverse effect observed (Causes serious eye damage)

Based on available data, the classification criteria are not met.

Respiratory sensitisation

Product/substance	hydrogen peroxide
Result:	No adverse effect observed (not sensitising)

Based on available data, the classification criteria are not met.

Skin sensitisation

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Test method:	OECD 429
Species:	Mouse
Result:	Adverse effect observed (sensitising)

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Test method:	OECD 406
Species:	Guinea pig
Result:	Adverse effect observed (sensitising)

Based on available data, the classification criteria are not met.

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Product/substance	hydrogen peroxide
Conclusion:	No adverse effect observed

Based on available data, the classification criteria are not met.

hydrogen peroxide has been classified by IARC as a group 3 carcinogen.

Reproductive toxicity

Product/substance	hydrogen peroxide
Conclusion:	No adverse effect observed

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Product/substance hydrogen peroxide

Based on available data, the classification criteria are not met.

Long term effects

None known.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Product/substance	hydrogen peroxide
Species:	Fish, Pimephales promelas
Duration:	96 hours
Test:	LC50
Result:	16,4 mg/L

Product/substance	hydrogen peroxide
Species:	Fish, Leuciscus idus
Duration:	72 hours
Test:	LC50
Result:	35 mg/L

Product/substance	hydrogen peroxide
Species:	Fish, Oncorhynchus mykiss
Duration:	7 days
Test:	LC50
Result:	38,5 mg/L

Product/substance	hydrogen peroxide
Species:	Daphnia pulex
Duration:	48 hours
Test:	EC50
Result:	2,4 mg/L

Product/substance	hydrogen peroxide
Species:	Daphnia magna
Duration:	24 hours
Test:	EC50
Result:	7,7 mg/L

Product/substance	hydrogen peroxide
Species:	Skeletonema costatum
Duration:	72 hours
Test:	EC50
Result:	1,38 mg/L

Product/substance	hydrogen peroxide
Test method:	OECD 209
Species:	Bacteria
Compartment:	Activated Sludge Plant
Duration:	30 minutes
Test:	EC50
Result:	466 mg/L

According to GHS Rev. 8, 2019

Product/substance	hydrogen peroxide
Test method:	OECD 209
Species:	Bacteria
Compartment:	Activated Sludge Plant
Duration:	3 hours
Test:	EC50
Result:	> 1.000 mg/L
Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Species:	Fish
Duration:	96 hours
Test:	LC50
Result:	>0.1-1 mg/L
Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Species:	Crustacean
Duration:	48 hours
Test:	EC50
Result:	>0.1-1 mg/L
Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Species:	Algae
Duration:	72 hours
Test:	EC50
Result:	>0.1-1 mg/L

Based on available data, the classification criteria are not met.

12.2. Persistence and degradability

Product/substance	Alcohol, C13, bran., EO, sulfate Na~
Result:	> 60 %
Conclusion:	Readily biodegradable
Test:	OECD 301 B

Product/substance	hydrogen peroxide
Conclusion:	Readily biodegradable

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Result:	90%
Conclusion:	Readily biodegradable
Test:	OECD 302

12.3. Bioaccumulative potential

Product/substance	hydrogen peroxide
LogKow:	-1,57
Conclusion:	-

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
BCF:	2
LogKow:	1.45
Conclusion:	Potential for bioaccumulation is low

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

12.6. Other adverse effects

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

Dispose of contents/container to an approved waste disposal plant.

Specific labelling

Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: TRANSPORT INFORMATION

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Packing group

** Environmental hazards

Additional information

Not dangerous goods according to ADR, IATA and IMDG.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

No data available.

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Restrictions for application:

Restricted to professional users.

Demands for specific education:

No specific requirements.

Additional information:

Not applicable.

Sources:

Globally Harmonized System of Classification and Labelling of Chemicals (GHS Rev. 8, 2019)

15.2. Chemical safety assessment

No

SECTION 16: OTHER INFORMATION

Full text of H-phrases as mentioned in section 3

H271, May cause fire or explosion; strong oxidiser.

H302, Harmful if swallowed.

H314, Causes severe skin burns and eye damage.

H315, Causes skin irritation.

H318, Causes serious eye damage.

H319, Causes serious eye irritation.
H332, Harmful if inhaled.
H336, May cause drowsiness or dizziness.
H412, Harmful to aquatic life with long lasting effects.

The full text of identified uses as mentioned in section 1

None known.

Abbreviations and acronyms

ACGIH = American Conference of Governmental Industrial Hygienists
ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway
ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
CAS = Chemical Abstracts Service
CERCLA = Comprehensive Environmental Response Compensation and Liability Act
DOT = Department of Transportation
EINECS = European Inventory of Existing Commercial chemical Substances
EPCRA = Emergency Planning and Community Right-To-Know Act
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
HCIS = Hazardous Chemical Information System
HNOC = Hazards Not Otherwise Classified
IARC = International Agency for Research on Cancer
IATA = International Air Transport Association
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
NFPA = National Fire Protection Association
NIOSH = National Institute for Occupational Safety and Health
OECD = Organisation for Economic Co-operation and Development
OSHA = Occupational Safety and Health Administration
PBT = Persistent, Bioaccumulative and Toxic
RCRA = Resource Conservation and Recovery Act
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
RRN = REACH Registration Number
SARA = Superfund Amendments and Reauthorization Act
SCL = A specific concentration limit.
STEL = Short-term exposure limits
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
STOT-SE = Specific Target Organ Toxicity - Single Exposure
TSCA = The Toxic Substances Control Act
TWA = Time weighted average
UN = United Nations
UVBC = Unknown or variable composition, complex reaction products or of biological materials
VOC = Volatile Organic Compound
vPvB = Very Persistent and Very Bioaccumulative

Additional information

Not applicable.

The safety data sheet is validated by

Quality & Compliance

Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

Country-language: IN-en

ÖRYGGISBLAÐ

i.1 all-purpose cleaner FlexDose

1. LIÐUR: AUÐKENNING EFNISINS EÐA BLÖNDUNNAR OG FÉLAGSINS EÐA FYRIRTÆKISINS

1.1. Vörukenni

▼ *Viðskiptaheiti:*

i.1 all-purpose cleaner FlexDose

1.2. Viðeigandi og tilgreind notkun efnis eða blöndu og notkun sem ráðið er frá

Viðeigandi og tilgreind notkun á efninu eða blöndunni:

Þvotta- og hreinsiefni (þar á meðal leysiefni)
Eingöngu ætlað fagmönnum.

Notkun sem ráðið er frá:

Enginn kunnuglegur.

1.3. Upplýsingar um birgi öryggisblaðsins

Fyrirtæki og heimilisfang:

Hygeniq B.V.

Postbus 618
7500 AP Enschede
The Netherlands
+31 53 4282860
+31 53 5393865
www.hygeniq.com

Netfang:

info@hygeniq.com

Dagsetning öryggisblaðs:

27.6.2025

Útgáfa öryggisblaðs:

2.0

Dagsetning fyrri útgáfu:

2.6.2025 (1.0)

1.4. Neyðarsímanúmer

Neyðarlínan: Sími 112.

Eitrunarmiðstöð Landsspítalans. Sími: 543 2222.

Sjá liður 4: Ráðstafanir í skyndihjálpi.

2. LIÐUR: HÆTTUGREINING

2.1. Flokkun efnisins eða blöndunnar

Óflokkað samkvæmt reglugerð (EB) nr. 1272/2008 (CLP).

2.2. Merkingaratriði

Hættumerki:

Á ekki við.

Viðvörðunarorð:

Á ekki við.

Hættusetningar:

Á ekki við.

Varnaðarsetningar:

Almennt:

-

Fyrirbygging:

-

Viðbrögð:

-

Geymsla:

-

Förgun:

-

Tilgreining efna sem valda alvarlegum heilsuvandamálum:

Inniheldur engin efni sem nauðsynlegt er að tilkynna

Viðbótarmerking:

EUH210, Öryggisblað er fáanlegt sé um það beðið.

Innihaldsmerking í samræmi við reglugerð (EB) nr. 648/2004 (á við um umbúðir þvottaefna sem seld eru almenningi):

>5% - <15%

· Ójónuð, yfirborðsvirk efni

< 5%

· Mínushlaðin, yfirborðsvirk efni

· Bleikiefni, að stofni til úr súrefni

· Ilmefni

· Rotvarnarefni (BENZISOTHIAZOLINONE)

2.3. Aðrar hættur

Viðbótarviðvaranir:

Þessi blanda/vara inniheldur ekki nein efni sem ætlað er að standast kröfur sem flokkar þau sem PBT (þrávirk, lífræn eiturefni sem safnast fyrir í lífverum) og/eða vPvB.

Þessi vara inniheldur engin efni sem teljast til innkirtlatruflana í samræmi við viðmiðanirnar sem settar eru fram í framseldri reglugerð framkvæmdastjórnarinnar (ESB) 2017/2100 eða reglugerð framkvæmdastjórnarinnar (ESB) 2023/707.

3. LIÐUR: SAMSETNING INNIHALDSEFNA/UPPLÝSINGAR UM INNIHALDSEFNI

3.1. Efni

Á ekki við. Þessi vara er blanda.

3.2. Blöndur

Vara/innihaldsefnis	Auðkenni	% w/w	Flokkun	Tákn
Alcohol, C13, bran., EO, sulfate Na~	CAS-nr.: 150413-26-6 EB-nr.: 688-316-0 REACH: Vísitala nr. :	1-3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 3, H412	
hydrogen peroxide	CAS-nr.: 7722-84-1 EB-nr.: 231-765-0 REACH: 01-2119485845-22-XXXX Vísitala nr. : 008-003-00-9	1-3%	Ox. Liq. 1, H271 Acute Tox. 4, H302 Skin Corr. 1A, H314 (SCL: 70,00 %) Skin Corr. 1B, H314 (SCL: 50,00 %) Skin Irrit. 2, H315 (SCL: 35,00 %) Eye Dam. 1, H318 (SCL: 8,00 %)	

			Eye Irrit. 2, H319 (SCL: 5,00 %) Acute Tox. 4, H332 STOT SE 3, H336 (SCL: 35,00 %)	
citroenzuurmonohydraat	CAS-nr.: 5949-29-1 EB-nr.: 611-842-9 REACH: 01-2119457026-42-XXXX Vísitala nr. :	<0.1%	Eye Irrit. 2, H319	
Disodium tin hexahydroxide	CAS-nr.: 12027-70-2 EB-nr.: 234-724-5 REACH: 01-2120770924-45-XXXX Vísitala nr. :	<0.05%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	[1]

Allar hættu-/áhættusetningar er að finna í liður 16. Notkunartakmörk eru tekin fram í liður 8 ef þau eru tiltæk.

Aðrar upplýsingar

[1] Evrópsk viðmiðunarmörk váhrifa.

4. LIÐUR: RÁÐSTAFANIR Í SKYNDIHLJÁL

4.1. Lýsing á ráðstöfunum í skyndihjál

Almennar upplýsingar:

Ef slys kemur upp: Hafið samband við lækni eða slysadeild - takið merkið sem er á vörunni eða þetta öryggisblað. Hafið samband við lækni ef vafi er á heilsufari viðkomandi eða ef einkennin stöðvast ekki. Gefið aldrei einstaklingi sem misst hefur meðvitund vatn eða annað álíka.

Innöndun:

Öndunarerfiðleikar eða erting í öndunarfarum: Komið viðkomandi á svæði þar sem hann/hún getur fengið ferskt loft og verið áfram með viðkomandi.

Snerting við húð:

Við ertingu: Þvoið efnið af. Við langvarandi ertingu: Leitið til læknis

Snerting við augu:

BERIST EFNIÐ Í AUGU: Skolið augu með vatni (20-30 °C) í a.m.k. 5 mínútur. Fjarlægið augnlinsur. Hringið í lækni.

Inntaka:

Gefið viðkomandi nóg að drekka og verið áfram með honum/henni. Ef viðkomandi líður illa skal hringja tafarlaust í lækni og taka þetta öryggisblað með. Látið viðkomandi ekki kasta upp nema lækirinn ráðleggi það. Látið höfuðið snúa niður á við til að uppgangurinn fari ekki aftur upp í munn og háls.

Brunar:

Á ekki við.

4.2. Helstu skaðleg einkenni og áhrif, bæði bráð og tafir

Enginn kunnuglegur.

4.3. Upplýsingar um tafarlausa læknisumönnun og sérstaka meðferð sem þörf er á

Meðhöndlið eftir einkennum.

Upplýsingar fyrir lækna

Takið þetta öryggisblað með eða merkið sem er á vörunni

5. LIÐUR: RÁÐSTAFANIR VEGNA SLÖKKVIÐGERÐA

5.1. Slökkvibúnaður

Á ekki við.

5.2. Sérstakar hættur af völdum efnisins eða blöndunnar

Við eldsvoða mun koma þykkur reykur. Váhrif frálífunarefna geta haft skaðleg áhrif á heilsuna. Lokuð ílát sem eru í snertingu við eld skal kæla með vatni. Látið vatn sem notað er til að slökkva eld ekki renna til skolplagna og annarra vatnsfalla.

Ef varan hefur komist í snertingu við háan hita, s.s. eldsvoða, myndast hættuleg frálífunarefni. Um er að ræða: Kolsýringur (CO / CO₂)

5.3. Ráðgjöf fyrir slökkviliðsmenn

Engar sérstakar kröfur.

6. LIÐUR: RÁÐSTAFANIR EF EFNI FER ÓVART TIL SPILLIS EÐA ER LOSAÐ FYRIR SLYSNI

6.1. Öryggisráðstafanir fyrir fólk, hlífðarbúnaður og neyðarráðstafanir

Tryggið næga loftræstingu, sérstaklega á lokuðum svæðum.

Menguð svæði geta verið hál.

6.2. Varúðarráðstafanir vegna umhverfisins

Forðist að farga í nánd við stöðuvötn, ár, skolplagnir o.s.frv.

Haldið óviðkomandi aðilum frá lekanum

6.3. Aðferðir og efni til afmörkunar og hreinsunar

Taka af og safna saman leka með óbrennanlegu, ísogandi efni t.d. sandi, jörð, vermíkulít eða kísilgúr og setja í ílát til förgunar í samræmi við staðbundnar reglur.

Svo lengi sem það er hægt skal nota hefðbundin hreinsiefni við þvott. Forðast skal leysiefni.

6.4. Tilvísun í aðra liði

Sjá liður 13 um "Förgun" til að fá upplýsingar um meðhöndlun úrgangs.

Sjá liður 8 um "Váhrifavarnir/persónuhlífar" til að fá upplýsingar um varnaraðgerðir.

7. LIÐUR: MEÐHÖNDLUN OG GEYMSLA

7.1. Varúðarráðstafanir um örugga meðhöndlun

Reykingar, neysla matar eða drykkjar og geymsla tóbaks, matar eða drykkjar er óheimil í vinnustofum.

Sjá liður 8 um "Váhrifavarnir/persónuhlífar" til að fá upplýsingar um persónuvernd.

7.2. Örugg geymsluskilyrði, þ.m.t. vegna mögulegs ósamrýmanleika

Ílátum sem hafa verið opnuð verður að loka vel aftur og þau skal geyma upprétt til að koma í veg fyrir leka.

Ráðlagt geymsluefni:

Geymið eingöngu í upprunalegum umbúðum.

Geymsluskilyrði:

Þurr, svalur og vel loftræstur staður

Ósamrýmanleg efni:

Sterkar sýrur, sterkir basar, sterk eldmyndandi efni og sterk frálífunarefni.

7.3. Sértæk, endanleg notkun

Þessa vöru má einungis nota í þeim tilgangi sem tekinn er fram í liður 1.2.

8. LIÐUR: VÁHRIFAVARNIR/PERSÓNUHLÍFAR

8.1. Viðmiðunarmörk fyrir váhrif

hydrogen peroxide

Mengunarmörk (8 tíma) (mg/m³): 1,4

Mengunarmörk (8 tíma) (ppm): 1

Reglugerð um mengunarmörk og aðgerðir til að draga úr mengun á vinnustöðum (390/2009)

Reglugerð um breytingu á reglugerð um mengunarmörk og aðgerðir til að draga úr mengun á vinnustöðum, nr. 390/2009 (631/2021).

DNEL

1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one

Tímalengd:	Váhrifaleið:	DNEL:
Langtíma - Kerfisbundin áhrif - Almennigun	Innöndun	1.2 mg/m ³
Langtíma - Kerfisbundin áhrif - Verkamenn	Innöndun	6.81 mg/m ³
Langtíma - Kerfisbundin áhrif - Almennigun	Snerting við húð	0.345 mg/kg
Langtíma - Kerfisbundin áhrif - Verkamenn	Snerting við húð	966 µg/kg bw/day

Disodium tin hexahydroxide

Tímalengd:	Váhrifaleið:	DNEL:
Langtíma - Kerfisbundin áhrif - Almennigun	Innöndun	1.78 mg/m ³
Langtíma - Kerfisbundin áhrif - Verkamenn	Innöndun	11.9 mg/m ³
Langtíma - Kerfisbundin áhrif - Almennigun	Inntaka	1.21 mg/kg bw/day
Langtíma - Kerfisbundin áhrif - Almennigun	Snerting við húð	1.21 mg/kg bw/day
Langtíma - Kerfisbundin áhrif - Verkamenn	Snerting við húð	3.37 mg/kg bw/day

hydrogen peroxide

Tímalengd:	Váhrifaleið:	DNEL:
Langtíma - Staðbundin áhrif - Almennigun	Innöndun	0,21 mg/m ³
Langtíma - Staðbundin áhrif - Almennigun	Innöndun	210 µg/m ³
Langtíma - Staðbundin áhrif - Verkamenn	Innöndun	1.4 mg/m ³
Skammtíma - Staðbundin áhrif - Almennigun	Innöndun	1.93 mg/m ³
Skammtíma - Staðbundin áhrif - Verkamenn	Innöndun	3 mg/m ³

PNEC

1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one

Váhrifaleið:	Tímalengd notkunar:	PNEC:
Botnfall í ferskvatni		49.9 µg/kg
Botnfall í sjó		4.99 µg/kg
Ferskvatn		4.03 µg/L
Jarðvegur		3 mg/kg
Ósamfelld slepping (ferskvatn)		1.1 µg/L
Ósamfelld slepping (sjór)		110 ng/L
Sjór		403 ng/L
Skólpvinnslustöð		1.03 mg/L

Disodium tin hexahydroxide

Váhrifaleið:	Tímalengd notkunar:	PNEC:
Botnfall í ferskvatni		1.395 mg/kg
Botnfall í sjó		139.46 µg/kg
Ferskvatn		33.1 µg/L
Ósamfelld slepping (ferskvatn)		331 µg/L
Ósamfelld slepping (sjór)		33.1 µg/L
Sjór		3.31 µg/L
Skólpvinnslustöð		10 mg/L

hydrogen peroxide

Váhrifaleið:	Tímalengd notkunar:	PNEC:

Botnfall í ferskvatni		0,047 mg/kg
Botnfall í ferskvatni		47 µg/kg
Botnfall í sjó		0,047 mg/L
Botnfall í sjó		47 µg/kg
Ferskvatn		0,0126 mg/L
Ferskvatn		12.6 µg/L
Jarðvegur		0,023 mg/kg
Jarðvegur		2.3 µg/kg
Ósamfelld slepping (ferskvatn)		13.8 µg/L
Sjór		0,047 mg/L
Sjór		12.6 µg/L
Skólpvinnslustöð		4.66 mg/L
Skólpvinnslustöð		4.66 mg/L

8.2. Takmörkun váhrifa

Athuga skal reglulega samræmi við takmarkanir um snertingu við efnið.

Almennar ráðleggingar:

Reykingar, neysla matar eða drykkjar og geymsla tóbaks, matar eða drykkjar er óheimil í vinnustofum.

Upplýsingar um váhrif:

Ekki eru til neinar sviðsmyndir af váhrifum af þessu efni.

Váhrifamörk:

Notendur efnisins eru verndaðir af atvinnulöggjöf um hámarksstyrk efnisins. Sjá takmörk með tilliti til hollustumála starfsmanna hér að ofan.

Viðeigandi tæknilegar aðgerðir:

Myndun gufu verður vera haldið í lágmarki og fyrir neðan núverandi gildi takmarkanna (sjá að ofan). Mælt er með uppsetningu á staðbundnu útblásturskerfi ef vanalegt loftflæði í vinnuherberginu er ekki nægt. Tryggja skal að neyðarskolun augna og neyðarsturtur séu vandlega merktar.

Viðhafið hefðbundnar varúðarráðstafanir við notkun vörunnar. Forðist innöndun gufa.

Aðgerðir í hollustumálum:

Þegar hlé er tekið eftir að efnið hefur verið notað og þegar notkun þess er lokið skal þvo alla líkamshluta sem komist hafa í snertingu við efnið. Gætið sérstaklega að höndum, framhandleggjum og andliti.

Aðgerðir til að forðast að efnið komist í umhverfið:

Engar sérstakar kröfur.

Einstaklingsvarnir, s.s. Hlíðarbúnaður

Almennt:

Notið einungis hlíðarbúnað með CE merkingu.

Öndunarbúnaður:

Gerð	Flokkur	Litur	Evrópustaðal	
Ekkert sem taka þarf sérstaklega fram við hefðbundna tilætlaða notkun.				

Húðhlífar:

Ráðlagt	Gerð/Flokkur	Evrópustaðal	
Ekkert sem taka þarf sérstaklega fram við hefðbundna tilætlaða notkun	-	-	

Handhlífar:

Vinnuaðstaða	Ráðlagð	Þykkt (mm)	Gegnumbrots-tími (mín.)	Evrópustaðal	
	Ekkert sem taka þarf sérstaklega fram við hefðbundna tilætlaða notkun	-	-	-	
Við langvinn váhrif eða mikinn styrk	Bómull / Náttúrulegt gúmmí (latex)	-	> 120	EN374-2, EN16523-1, EN388	

Augnhlífur:

Vinnuaðstaða	Gerð	Evrópustaðal	
	Ekkert sem taka þarf sérstaklega fram við hefðbundna tilætlaða notkun.	-	
Við langvinn váhrif eða mikinn styrk	Notið öryggisglæraugu með hliðarhlíf.	EN166	

9. LIÐUR: EÐLIS- OG EFNAFRÆÐILEGIR EIGINLEIKAR

9.1. Upplýsingar um eðlis- og efnafræðilega grunneiginleika

Form (fasi):

Vökvi

Litur:

Litlaust

Lykt / Lykt þröskuld (ppm):

Af ilmvatni

pH:

ca. 4.8

Eðlismassi (g/cm³):

1,02 (20 °C)

Kinematic seigja:

Engin gögn tiltæk.

Agnæinkenni:

Á ekki við um vökva.

Fasabreytingar

Bræðslumark/Frystmark (°C):

Engin gögn tiltæk.

Mýktarmark/-svið (°C):

Á ekki við um vökva.

Suðumark (°C):

Engin gögn tiltæk.

Gufuþrýstingur:

Engin gögn tiltæk.

Hlutfallsleg gufupéttleiki:

Engin gögn tiltæk.

Niðurbrotshitastig (°C):

Engin gögn tiltæk.

Gögn um eld- og sprengihættu

Kveikjumark (°C):
Engin gögn tiltæk.

Kveiking (°C):
Engin gögn tiltæk.

Sjálfsíkveikjuhitastig (°C):
Engin gögn tiltæk.

Sprengimörk (% v/v):
Engin gögn tiltæk.

Uppleysanleiki

Uppleysanleiki í vatni:
Fullkomlega leysanlegt

n-oktanól/vatnsstuðull (LogKow):
Engin gögn tiltæk.

Uppleysanleiki í fitu (g/L):
Engin gögn tiltæk.

9.2. Aðrar upplýsingar

Aðrar eðlisfræðilegar og efnafræðilegar breytur:
Engin gögn tiltæk.

Oxunareiginleikar:
Engin gögn tiltæk.

10. LIÐUR: STÖÐUGLEIKI OG HVARFGIRNI

10.1. Hvarfgirni

Engin gögn tiltæk.

10.2. Efnafræðilegur stöðugleiki

Varan er stöðug við þær aðstæður sem lýst í liður 7 um "Meðhöndlun og geymsla".

10.3. Möguleiki á hættulegu efnahvarfi

Enginn kunnuglegur.

10.4. Skilyrði sem ber að varast

Enginn kunnuglegur.

10.5. Ósamrýmanleg efni

Sterkar sýrur, sterkir basar, sterk eldmyndandi efni og sterk frálífunarefni.

10.6. Hættuleg niðurbrotsefni

Hættuleg niðurbrotsefni ættu ekki að myndast við eðlileg geymslu- og notkunarskilyrði.

11. LIÐUR: EITUREFNAFRÆÐILEGAR UPPLÝSINGAR

11.1. Upplýsingar um eiturefnafræðileg áhrif

Bráð eiturrhif

Vara/innihaldsefnis	hydrogen peroxide
Tegund:	Rotta
Váhrifaleið:	Inntaka
Próf:	LD50
Niðurstaða:	1.193 - 1.270 mg/L

Vara/innihaldsefnis	hydrogen peroxide
Tegund:	Kanína
Váhrifaleið:	Snerting við húð
Próf:	LD50
Niðurstaða:	>2.000 (35% oplossing) mg/kg

Vara/innihaldsefnis	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Tegund:	Rotta
Váhrifaleið:	Inntaka
Próf:	LD50
Niðurstaða:	500 mg/kg

Miðað við fánleg gögn eru flokkunarskilyrði ekki uppfyllt.

Húðæting/húðerting

Vara/innihaldsefnis	hydrogen peroxide
Niðurstaða:	Vart varð við aukaverkanir (Ertandi)

Vara/innihaldsefnis	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Prófunaraðferð:	OECD 404
Niðurstaða:	Vart varð við aukaverkanir (Ertandi)

Miðað við fánleg gögn eru flokkunarskilyrði ekki uppfyllt.

Alvarlegur augnskaði/augnerting

Vara/innihaldsefnis	hydrogen peroxide
Niðurstaða:	Vart varð við aukaverkanir (Veldur alvarlegum augnskaða)

Vara/innihaldsefnis	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Prófunaraðferð:	OECD 405
Niðurstaða:	Vart varð við aukaverkanir (Veldur alvarlegum augnskaða)

Miðað við fánleg gögn eru flokkunarskilyrði ekki uppfyllt.

Næming öndunarfæra

Vara/innihaldsefnis	hydrogen peroxide
Niðurstaða:	Ekki vart við neinar aukaverkanir (ekki næmandi)

Miðað við fánleg gögn eru flokkunarskilyrði ekki uppfyllt.

Húðnæming

Vara/innihaldsefnis	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Prófunaraðferð:	OECD 429
Tegund:	Mús
Niðurstaða:	Vart varð við aukaverkanir (næmandi)

Vara/innihaldsefnis	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Prófunaraðferð:	OECD 406
Tegund:	Hamstur
Niðurstaða:	Vart varð við aukaverkanir (næmandi)

Miðað við fánleg gögn eru flokkunarskilyrði ekki uppfyllt.

Stökkbreytandi áhrif á kímfrumur

Miðað við fánleg gögn eru flokkunarskilyrði ekki uppfyllt.

Krabbameinsvaldandi áhrif

Vara/innihaldsefnis	hydrogen peroxide
Niðurstaða:	Ekki vart við neinar aukaverkanir

Miðað við fánleg gögn eru flokkunarskilyrði ekki uppfyllt.

Eiturhrif á æxlun

Vara/innihaldsefnis	hydrogen peroxide
Niðurstaða:	Ekki vart við neinar aukaverkanir

Miðað við fánleg gögn eru flokkunarskilyrði ekki uppfyllt.

Sértæk eiturhrif á marklíffæri – váhrif í eitt skipti

Miðað við fánleg gögn eru flokkunarskilyrði ekki uppfyllt.

Sértæk eiturhrif á marklíffæri – endurtekin váhrif

Miðað við fánleg gögn eru flokkunarskilyrði ekki uppfyllt.

Ásvelgingarhætta

Vara/innihaldsefnis hydrogen peroxide
Miðað við fánleg gögn eru flokkunarskilyrði ekki uppfyllt.

11.2. Upplýsingar um aðrar hættur

Langvarandi áhrif

Enginn kunnuglegur.

Innkirtlatruflandi eiginleikar

Þessi blanda/vara inniheldur engin efni sem talin eru hafa hormónatruflandi eiginleika í tengslum við heilsu.

Aðrar upplýsingar

hydrogen peroxide : IARC skilgreinir efnið í flokk 3.

12. LIÐUR: VISTFRÆÐILEGAR UPPLÝSINGAR

12.1. Visteiturhrif

Vara/innihaldsefnis hydrogen peroxide
Tegund: Fiskur, Pimephales promelas
Tímalengd: 96 klst.
Próf: LC50
Niðurstaða: 16,4 mg/L

Vara/innihaldsefnis hydrogen peroxide
Tegund: Fiskur, Leuciscus idus
Tímalengd: 72 klst.
Próf: LC50
Niðurstaða: 35 mg/L

Vara/innihaldsefnis hydrogen peroxide
Tegund: Fiskur, Oncorhynchus mykiss
Tímalengd: 7 dagar
Próf: LC50
Niðurstaða: 38,5 mg/L

Vara/innihaldsefnis hydrogen peroxide
Tegund: Daphnia pulex
Tímalengd: 48 klst.
Próf: EC50
Niðurstaða: 2,4 mg/L

Vara/innihaldsefnis hydrogen peroxide
Tegund: Daphnia magna
Tímalengd: 24 klst.
Próf: EC50
Niðurstaða: 7,7 mg/L

Vara/innihaldsefnis hydrogen peroxide
Tegund: Skeletonema costatum
Tímalengd: 72 klst.
Próf: EC50
Niðurstaða: 1,38 mg/L

Vara/innihaldsefnis hydrogen peroxide
Prófunaraðferð: OECD 209
Tegund: Bakteríur
Umhverfi: Virk seyruvinnslustöð
Tímalengd: 30 minutes
Próf: EC50
Niðurstaða: 466 mg/L

Vara/innihaldsefnis hydrogen peroxide

Prófunaraðferð:	OECD 209
Tegund:	Bakteríur
Umhverfi:	Virk seyruvinnslustöð
Tímalengd:	3 klst.
Próf:	EC50
Niðurstaða:	> 1.000 mg/L

Vara/innihaldsefnis	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Tegund:	Fiskur
Tímalengd:	96 klst.
Próf:	LC50
Niðurstaða:	>0.1-1 mg/L

Vara/innihaldsefnis	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Tegund:	Krabbadýr
Tímalengd:	48 klst.
Próf:	EC50
Niðurstaða:	>0.1-1 mg/L

Vara/innihaldsefnis	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Tegund:	Þörungar
Tímalengd:	72 klst.
Próf:	EC50
Niðurstaða:	>0.1-1 mg/L

Miðað við fánleg gögn eru flokkunarskilyrði ekki uppfyllt.

12.2. Þrávirkni og niðurbrotjótanleiki

Vara/innihaldsefnis	Alcohol, C13, bran., EO, sulfate Na~
Niðurstaða:	> 60 %
Niðurstaða:	Auðlífbrjótanlegt
Próf:	OECD 301 B

Vara/innihaldsefnis	hydrogen peroxide
Niðurstaða:	Auðlífbrjótanlegt

Vara/innihaldsefnis	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Niðurstaða:	90%
Niðurstaða:	Auðlífbrjótanlegt
Próf:	OECD 302

Yfirborðsvirku efnin í þessari vörur standast skilyrði um lífrænt niðurbrot eins og þau eru sett fram í reglugerð EB 648/2004. Niðurstöður sem styðja þessa fullyrðingu eru aðgengilegar fyrir hlutaðeigandi yfirvöld aðildarlandanna óski þau þess, eða ef framleiðandi hreinsiefni óskar þess.

12.3. Uppsöfnun í lífverum

Vara/innihaldsefnis	hydrogen peroxide
LogKow:	-1,57
Niðurstaða:	-

Vara/innihaldsefnis	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
BCF:	2
LogKow:	1.45
Niðurstaða:	Möguleikar á uppsöfnun í lífverum eru litlir

12.4. Hreyfanleiki í jarðvegi

Engin gögn tiltæk.

12.5. Niðurstöður úr mati á PBT- og vPvB-eiginleikum.

Þessi blanda/vara inniheldur ekki nein efni sem ætlað er að standast kröfur sem flokkar þau sem PBT (þrávirk, lífræn eiturefni sem safnast fyrir í lífverum) og/eða vPvB.

12.6. Innkirtlatruflandi eiginleikar

Þessi blanda/vara inniheldur engin efni sem talin eru hafa innkirtlatruflandi eiginleika í tengslum við umhverfið.

12.7. Önnur skaðleg áhrif

Enginn kunnuglegur.

13. LIÐUR: FÖRGUN

13.1. Aðferðir við meðhöndlun úrgangs

Um vöruna gilda reglugerðir varðandi hættulegan úrgang. (*)

HP 4 - ertandi (erting í húð og augnskemmdir)

Reglugerð framkvæmdastjórnarinnar (ESB) nr. 1357/2014 frá 18. desember 2014 um úrgang.

EWC-kóði:

20 01 30

önnur en tilgreind eru í 20 01 29 hreinsiefni

Samsettar umbúðir

Umbúðir sem innihalda leifar af efninu skal farga á sama hátt og vörunni á að farga.

14. LIÐUR: UPPLÝSINGAR UM FLUTNINGA

	14.1 UN	14.2 Nafn/lýsing	14.3 Flokkur	14.4 PG*	14.5. Env**	Aðrar upplýsingar:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Pökkunarflokkur

** Umhverfshættur

Viðbótarupplýsingar

Ekki skráð sem hættulegt efni í reglugerðum ADR, IATA og IMDG (alþjóðlegur kóði um siglingu með hættulegan varning).

14.6. Sérstakar varúðarráðstafanir fyrir notanda

Á ekki við.

14.7. Flutningar búlkaframs skv. II. viðauka við MARPOL-samninginn og IBC-kóðanum.

Engin gögn tiltæk.

15. LIÐUR: UPPLÝSINGAR VARÐANDI REGLUVERK

15.1. Sértæk ákvæði/löggjöf fyrir efnið eða blönduna vegna öryggis, heilbrigðis og umhverfis

Takmarkanir á notkun:

Eingöngu ætlað fagmönnum.

Beiðnir um sérstaka þjálfun:

Engar sérstakar kröfur.

SEVESO:

Á ekki við.

hydrogen peroxide (Viðauki I.)

Innihaldsmerking í samræmi við reglugerð (EB) nr. 648/2004:

>5% - <15%

· Ójónuð, yfirborðsvirk efni

< 5%

· Mínushlaðin, yfirborðsvirk efni

· Bleikiefni, að stofni til úr súrefni

· Ilmefni

· Rotvarnarefni (BENZISOTHIAZOLINONE)

Viðbótarupplýsingar:

Yfirborðsvirku efnin í þessari vörur standast skilyrði um lífrænt niðurbrot eins og þau eru sett fram í reglugerð EB 648/2004. Niðurstöður sem styðja þessa fullyrðingu eru aðgengilegar fyrir hlutaðeigandi yfirvöld aðildarlandanna óski þau þess, eða ef framleiðandi hreinsiefni óskar þess.

Heimildir:

Reglugerð Evrópuþingsins og Ráðsins (EB) nr. 648/2004 frá 31. mars 2004 um votta- og hreinsiefni.

Reglugerð framkvæmdastjórnarinnar (ESB) nr. 1357/2014 frá 18. desember 2014 um úrgang.

Council Regulation (EC) No 2019/1148 on explosives precursors.

Reglugerð (EB) nr. 1272/2008 (CLP) um flokkun, merkingu og umbúðir efna og blanda (með áorðnum breytingum).

Reglugerð framkvæmdastjórnarinnar (ESB) nr. 1907/2006 (REACH).

15.2. Efnaöryggismat

Nei

16. LIÐUR: AÐRAR UPPLÝSINGAR

Allar hættu-/áhættusetningar er að finna í liður 3

H271, Getur valdið bruna eða sprengingu, mjög eldmyndandi (oxandi).

H302, Hættulegt við inntöku.

H314, Veldur alvarlegum bruna á húð og augnskaða.

H315, Veldur húðertingu.

H318, Veldur alvarlegum augnskaða.

H319, Veldur alvarlegri augnertingu.

H332, Hættulegt við innöndun.

H335, Getur valdið ertingu í öndunarfarum.

H336, Getur valdið sljóleika eða svima.

H412, Skaðlegt lífi í vatni, hefur langvinn áhrif.

Skammstafanir og upphafsstafir

ADR = Evrópusamningnum um millilandaflutninga á hættulegum farmi á vegum

ATE = Matsgildi bráðra eiturrhifa

CAS = Efnafræðileg ágripsþjónustan

CE = Conformité Européenne

CLP = Reglugerð um flokkun, merkingu og pökkun efna og blanda [Reglugerð (EB) nr. 1272/2008]

CLP-H setning = Hættusetning sem á við um flokkun, merkingu og umbúðir efna og efnablanda (CLPreglugerð)

DNEL = Afleidd áhrifaleysismörk

EC50 = Styrkur í tengslum við 50% svörun

EuPCS = Evrópsk vöruflokkunarkerfi

EWC = Evrópsk skrá yfir úrgang

GWP = Hnattræn hlýnunarmöguleiki

IATA = Alþjóðasamtök flugflutninga

IMGA = Alþjóðlegur hættulegur varningur til sjós

IMO = Alþjóðasiglingamálastofnunin

LC50 = Miðgildisbanastyrkur

LD50 = 50% drápsskammtur

OECD = Efnahags- og framfarastofnun Evrópu

PBT = Efni sem eru þrávirk, safnast upp í lífverum og eru eitruð

PNEC = styrkur þar sem engin áhrif eru fyrirjáanleg

RRN = REACH-skráningarnúmer

RID = Reglugerðin varðandi alþjóðlegan flutning hættulegs vöru með járnbrautum

RRN = REACH skráningarnúmer

SCL = Um gilda sérstök mörk um styrk.

UVCB = Óþekkt eða breytileg samsetning, flókin hvarfefni eða líffræðilegra efna

vPvB = Efni sem eru mjög þrávirk og safnast upp í lífverum í miklum mæli

Viðbótarupplýsingar

Á ekki við.

Öryggisblaðið er vottað af

Quality & Compliance

Annað

Breytingar (í samræmi við síðustu meginbreytingu (fyrsti tölustafurinn í SDS-útgáfunni)) eru merktar með þríhyrningi. Upplýsingarnar sem er að finna á þessu öryggisblaði eiga einungis við þessa tilteknu vöru (tekið fram í liður 1) og á ekki endilega við notkun annarra efna/vara.

Ráðlagt er að láta núverandi notanda vörunnar fá þetta öryggisblað. Upplýsingarnar sem er að finna á þessu öryggisblaði er ekki hægt að nota sem vörulýsingu.

Land-tungumál: IS-is

SCHEDA DI DATI DI SICUREZZA

i.1 all-purpose cleaner FlexDose

SEZIONE 1: IDENTIFICAZIONE DELLA SOSTANZA/MISCELA E DELLA SOCIETÀ/IMPRESA

1.1. Identificatore del prodotto

▼ *Nome commerciale:*

i.1 all-purpose cleaner FlexDose

1.2. Usi identificati pertinenti della sostanza o della miscela e usi sconsigliati

Usi pertinenti identificati della sostanza o miscela:

Detergenti e detergenti (anche a base di solventi)
Uso ristretto agli utilizzatori professionali.

Usi sconsigliati :

Non noto.

1.3. Informazioni sul fornitore della scheda di dati di sicurezza

Nome e indirizzo azienda:

Hygeniq B.V.

Postbus 618
7500 AP Enschede
The Netherlands
+31 53 4282860
+31 53 5393865
www.hygeniq.com

Indirizzo email:

info@hygeniq.com

Revisione:

27/06/2025

Versione SDS:

2.0

Data dell'edizione precedente:

02/06/2025 (1.0)

1.4. Numero telefonico di emergenza

Centri AntiVeleni (CAV) attivi 24 ore al giorno:

Bergamo: Az. Osp. Papa Giovanni XXII. Piazza OMS, 1, 24127. Telefono: 800.88.33.00
Firenze: Az. Osp. "Careggi" U.O. Tossicologia Medica. Largo Brambilla, 3, 50134. Telefono: 055.794.7819
Foggia: Az. Osp. Univ. Foggia. V.le Luigi Pinto, 1, 71122. Telefono: 800.183.459
Milano: Osp. Niguarda Ca' Granda. Piazza Ospedale Maggiore, 3, 20162. Telefono: 02.66.1010.29
Napoli: Az. Osp. "A. Cardarelli". Via A. Cardarelli, 9, 80131. Telefono: 081.545.3333
Pavia: Centro Nazionale di Informazione Tossicologica. Via Salvatore Maugeri, 10, 27100. Telefono: 0382.24.444
Roma: "Osp. Pediatrico Bambino Gesù" Dip. Emergenza e Accettazione DEA. Piazza Sant'Onofrio, 4, 00165. Telefono: 06.6859.3726
Roma: Policlinico "A. Gemelli". Largo Agostino Gemelli, 8, 168. Telefono: 06-3054343
Roma: Policlinico "Umberto I". V.le del Policlinico, 155, 161. Telefono: 06.4997.8000
Verona: Az. Osp. Integrata Verona. Piazzale Aristide Stefani, 1, 37126. Telefono: 800.011.858

Vedere la sezione 4 sulle misure di primo soccorso.

SEZIONE 2: IDENTIFICAZIONE DEI PERICOLI

2.1. Classificazione della sostanza o della miscela

Non classificato secondo il Regolamento CE n. 1272/2008 (CLP).

2.2. Elementi dell'etichetta

Pittogrammi di pericolo:

Non applicabile.

Avvertenza:

Non applicabile.

Indicazioni di pericolo:

Non applicabile.

Consigli di prudenza:

Generale:

-

Prevenzione:

-

Reazione:

-

Conservazione:

-

Smaltimento:

-

Contenuto:

Non contiene sostanze Soggette all'obbligo di notifica

Altre etichette:

EUH210, Scheda dati di sicurezza disponibile su richiesta.

Etichettatura dei contenuti conforme al Regolamento sui detersivi 648/2004 (applicabile agli imballaggi dei detersivi venduti al pubblico):

>5% - <15%

· Tensioattivi Non ionici

< 5%

· Tensioattivi anionici

· Sbiancanti a base di ossigeno

· Profumi

· Conservanti (BENZISOTHIAZOLINONE)

2.3. Altri pericoli

Altro:

Questa miscela/prodotto non contiene sostanze che soddisfano i criteri di classificazione PBT e/o vPvB.

Questo prodotto non contiene sostanze considerate interferenti endocrini conformemente ai criteri stabiliti nel regolamento delegato (UE) 2017/2100 della Commissione o nel regolamento (UE) 2023/707 della Commissione.

SEZIONE 3: COMPOSIZIONE/INFORMAZIONI SUGLI INGREDIENTI

3.1. Sostanze

Non applicabile. Questo prodotto è una miscela.

3.2. Miscele

Prodotto/ingrediente	Identificatori	% w/w	Classificazione	Not.
Alcohol, C13, bran., EO,	n. CAS: 150413-26-6	1-3%	Skin Irrit. 2, H315	

sulfate Na~	n. CE: 688-316-0 REACH: n. indice:		Eye Irrit. 2, H319 Aquatic Chronic 3, H412	
perossido di idrogeno soluzione 35%; acqua ossigenata 35%	n. CAS: 7722-84-1 n. CE: 231-765-0 REACH: 01-2119485845-22-XXXX n. indice: 008-003-00-9	1-3%	Ox. Liq. 1, H271 Acute Tox. 4, H302 Skin Corr. 1A, H314 (SCL: 70,00 %) Skin Corr. 1B, H314 (SCL: 50,00 %) Skin Irrit. 2, H315 (SCL: 35,00 %) Eye Dam. 1, H318 (SCL: 8,00 %) Eye Irrit. 2, H319 (SCL: 5,00 %) Acute Tox. 4, H332 STOT SE 3, H336 (SCL: 35,00 %)	
citroenzuurmonohydraat	n. CAS: 5949-29-1 n. CE: 611-842-9 REACH: 01-2119457026-42-XXXX n. indice:	<0.1%	Eye Irrit. 2, H319	
Disodium tin hexahydroxide	n. CAS: 12027-70-2 n. CE: 234-724-5 REACH: 01-2120770924-45-XXXX n. indice:	<0.05%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	[1]

Il testo completo delle frasi H è riportato alla sezione 16. I valori limite per l'igiene del lavoro sono riportati alla sezione 8, se disponibili.

Altre informazioni

[1] Limite di esposizione professionale valido a livello europeo.

SEZIONE 4: MISURE DI PRIMO SOCCORSO

4.1. Descrizione delle misure di primo soccorso

Generalità:

In caso di incidenti: consultare il medico oppure un ospedale. Portare con sé l'etichetta oppure questa scheda di sicurezza. Il medico potrà rivolgersi alla clinica di medicina ambientale e del lavoro.

In caso di sintomi importanti o in caso di dubbio sulle condizioni di salute, consultare un medico. Non somministrare mai a una persona incosciente acqua o liquidi.

Inalazione:

Nel caso di difficoltà respiratorie o irritazione dell'apparato respiratorio: Portare l'infortunato all'aria fresca e tenerlo sotto controllo.

Contatto con la pelle:

In caso di irritazione: lavare la parte irritata per togliere il prodotto. Se l'irritazione persiste consultare un medico.

▼ Contatto con gli occhi:

In caso di contatto con gli occhi: Risciacquare abbondantemente con acqua (20 - 30 °C) per almeno 5 minuti. Rimuovere eventuali lenti a contatto. Consultare un medico.

Ingestione:

Se la persona è cosciente, risciacquare la bocca con acqua e rimanere con lei. In caso di malessere contattare immediatamente un medico e consegnargli la presente scheda di sicurezza oppure l'etichetta del prodotto. Non provocare il vomito, a meno che non venga raccomandato dal medico. Abbassare la testa per evitare la risalita di particelle di vomito nella bocca e nella gola.

Combustione:

Non applicabile.

4.2. Principali sintomi ed effetti, sia acuti che ritardati

Non noto.

4.3. Indicazione dell'eventuale necessità di consultare immediatamente un medico e di trattamenti speciali

Trattare sintomaticamente.

Nota per il medico

Portare con sé la presente scheda di sicurezza oppure l'etichetta del materiale.

SEZIONE 5: MISURE DI LOTTA ANTINCENDIO

5.1. Mezzi di estinzione

Non applicabile.

5.2. Pericoli speciali derivanti dalla sostanza o dalla miscela

In caso d'incendio si sviluppa un fumo denso. L'esposizione ai prodotti di degradazione può rappresentare un pericolo per la salute. I contenitori chiusi esposti al fuoco possono essere spenti con acqua. Non versare l'acqua proveniente dagli idranti negli scarichi e nelle fognie.

Se il prodotto viene esposto a temperature elevate, ad es. in caso d'incendio, può dare origine a prodotti di degradazione pericolosi. Essi sono:

Ossidi di carbonio (CO / CO₂)

5.3. Raccomandazioni per gli addetti all'estinzione degli incendi

Nessun requisito particolare.

SEZIONE 6: MISURE IN CASO DI RILASCIO ACCIDENTALE

6.1. Precauzioni personali, dispositivi di protezione e procedure in caso di emergenza

Le aree contaminate possono essere scivolose.

6.2. Precauzioni ambientali

Non scaricare il prodotto in laghi, fiumi, scarichi ecc.

Tenere le persone non autorizzate lontane dalla fuoriuscita

6.3. Metodi e materiali per il contenimento e per la bonifica

Contenere e raccogliere i versamenti con materiale non combustibile, assorbente, ad es. sabbia, terra diatomacea e riporre nel contenitore per lo smaltimento ai sensi dei regolamenti locali.

La pulizia viene eseguita per quanto possibile con detergenti. Evitare l'uso di solventi.

6.4. Riferimento ad altre sezioni

Vedere la sezione 13 "Considerazioni sullo smaltimento" sulla gestione dei rifiuti.

Vedere la sezione 8 "Controlli dell'esposizione/protezione individuale" per l'attrezzatura di protezione.

SEZIONE 7: MANIPOLAZIONE E IMMAGAZZINAMENTO

7.1. ▼ Precauzioni per la manipolazione sicura

Non fumare, mangiare né bere nei locali.

Vedere la sezione 8 "Controllo dell'esposizione/protezione individuale" per l'attrezzatura di protezione.

7.2. Condizioni per lo stoccaggio sicuro, comprese eventuali incompatibilità

I contenitori aperti devono essere accuratamente risigillati e mantenuti dritti per evitare fuoriuscite accidentali del prodotto.

Compatibilità degli imballaggi:

Conservare soltanto nell'imballaggio originale.

Condizioni di conservazione:

Asciutto, fresco e ben ventilato

Materiali incompatibili:

Acidi forti, basi forti, ossidanti forti e agenti riducenti forti.

7.3. Usi finali particolari

Questo prodotto deve essere utilizzato solo per gli scopi descritti nella sezione 1.2.

SEZIONE 8: CONTROLLI DELL'ESPOSIZIONE/DELLA PROTEZIONE INDIVIDUALE

8.1. Parametri di controllo

Il prodotto non contiene alcuna sostanza elencata nella lista italiana di sostanze con un limite di esposizione sul posto di lavoro.

DNEL

1,2-benzisotiazol-3(2H)-one; 1,2-benzisotiazolin-3-one

Durata:	Via di esposizione:	DNEL:
Lungo termine - effetti sistemici - lavoratori	Cutanea	966 µg/kg/giorno
Lungo termine - effetti sistemici - popolazione generale	Cutanea	0.345 mg/kg
Lungo termine - effetti sistemici - lavoratori	Inalazione	6.81 mg/m ³
Lungo termine - effetti sistemici - popolazione generale	Inalazione	1.2 mg/m ³

Disodium tin hexahydroxide

Durata:	Via di esposizione:	DNEL:
Lungo termine - effetti sistemici - lavoratori	Cutanea	3.37 mg/kg/giorno
Lungo termine - effetti sistemici - popolazione generale	Cutanea	1.21 mg/kg/giorno
Lungo termine - effetti sistemici - lavoratori	Inalazione	11.9 mg/m ³
Lungo termine - effetti sistemici - popolazione generale	Inalazione	1.78 mg/m ³
Lungo termine - effetti sistemici - popolazione generale	Orale	1.21 mg/kg/giorno

perossido di idrogeno soluzione 35%; acqua ossigenata 35%

Durata:	Via di esposizione:	DNEL:
Breve termine - effetti locali - lavoratori	Inalazione	3 mg/m ³
Breve termine - effetti locali - popolazione generale	Inalazione	1.93 mg/m ³
Lungo termine - effetti locali - lavoratori	Inalazione	1.4 mg/m ³
Lungo termine - effetti locali - popolazione generale	Inalazione	0.21 mg/m ³
Lungo termine - effetti locali - popolazione generale	Inalazione	210 µg/m ³

PNEC

1,2-benzisotiazol-3(2H)-one; 1,2-benzisotiazolin-3-one

Via di esposizione:	Durata dell'esposizione:	PNEC:
Acqua dolce		4.03 µg/L
Acqua marina		403 ng/L
Impianto di trattamento delle acque reflue		1.03 mg/L
Rilascio intermittente (acqua dolce)		1.1 µg/L
Rilascio intermittente (acqua marina)		110 ng/L
Sedimenti di acqua dolce		49.9 µg/kg
Sedimenti di acqua marina		4.99 µg/kg
Terreno		3 mg/kg

Disodium tin hexahydroxide

Via di esposizione:	Durata dell'esposizione:	PNEC:
Acqua dolce		33.1 µg/L
Acqua marina		3.31 µg/L

Impianto di trattamento delle acque reflue		10 mg/L
Rilascio intermittente (acqua dolce)		331 µg/L
Rilascio intermittente (acqua marina)		33.1 µg/L
Sedimenti di acqua dolce		1.395 mg/kg
Sedimenti di acqua marina		139.46 µg/kg

perossido di idrogeno soluzione 35%; acqua ossigenata 35%

Via di esposizione:	Durata dell'esposizione:	PNEC:
Acqua dolce		0,0126 mg/L
Acqua dolce		12.6 µg/L
Acqua marina		0,047 mg/L
Acqua marina		12.6 µg/L
Impianto di trattamento delle acque reflue		4.66 mg/L
Impianto di trattamento delle acque reflue		4.66 mg/L
Rilascio intermittente (acqua dolce)		13.8 µg/L
Sedimenti di acqua dolce		0,047 mg/kg
Sedimenti di acqua dolce		47 µg/kg
Sedimenti di acqua marina		0,047 mg/L
Sedimenti di acqua marina		47 µg/kg
Terreno		0,023 mg/kg
Terreno		2.3 µg/kg

8.2. Controlli dell'esposizione

Applicare un controllo generale per evitare un'esposizione non necessaria.

Precauzioni generali:

Non fumare, mangiare né bere nei locali.

Scenari di esposizione:

Non ci sono scenari di esposizione implementati per questo prodotto.

Limiti di esposizione:

Non sono riportati limiti di esposizione per le sostanze contenute nel prodotto.

Misure tecniche:

Applicare precauzioni standard durante l'uso del prodotto. Evitare l'inalazione di vapori.

Misure igieniche:

Tra una pausa di utilizzo e l'altra del prodotto e al termine del lavoro, lavare accuratamente le parti del corpo che sono venute in contatto con la presente sostanza. Prestare particolare attenzione alle mani, agli avambracci e al viso.

Misure per la limitazione dell'esposizione ambientale:

Nessun requisito particolare.

Misure di protezione individuale, quali dispositivi di protezione individuale

Generalità:

Usare solo equipaggiamento protettivo con il marchio CE.

Vie aeree:

Tipo	Classe	Colore	Norme	
Nessuna condizione particolare per il normale uso previsto.				

Cute e corpo:

Raccomandato	Tipo/Categoria	Norme	
Nessuna condizione particolare per il normale uso previsto	-	-	

Mani:

Situazione di lavoro	Materiale	Spessore minimo (mm)	Tempo di permeazione (min.)	Norme	
	Nessuna condizione particolare per il normale uso previsto	-	-	-	
Nel caso di esposizione prolungata o concentrazioni elevate	Cotone / Gomma (Lattice)	-	> 120	EN374-2, EN16523-1, EN388	

Occhi:

Situazione di lavoro	Tipo	Norme	
	Nessuna condizione particolare per il normale uso previsto.	-	
Nel caso di esposizione prolungata o concentrazioni elevate	Indossare occhiali di sicurezza con protezioni laterali.	EN166	

SEZIONE 9: PROPRIETÀ FISICHE E CHIMICHE

9.1. Informazioni sulle proprietà fisiche e chimiche fondamentali

Stato fisico:

Liquido

Colore:

Incolore

Odore / Soglia olfattiva (ppm):

Di profumo

pH:

ca. 4.8

Densità (g/cm³):

1,02 (20 °C)

Viscosità cinematica::

Dati non disponibili.

Caratteristiche delle particelle:

Non si applica ai liquidi.

Modifica di stato e vapore

punto di fusione/punto di congelamento (°C):

Dati non disponibili.

Punto/intervallo di rammollimento (°C):

Non si applica ai liquidi.

Punto di ebollizione (°C):

Dati non disponibili.

Pressione del vapore:

Dati non disponibili.

Densità di vapore relativa:

Dati non disponibili.

Temperatura di decomposizione (°C):

Dati non disponibili.

Dati relativi al pericolo di incendio e di esplosione

Punto di fiamma (°C):

Dati non disponibili.

Infiammabilità (°C):

Dati non disponibili.

Temperatura di autoaccensione (°C):

Dati non disponibili.

Limite di esplosione (% v/v):

Dati non disponibili.

Solubilità

Solubilità in acqua:

Completamente solubile

Coefficiente n-ottanolo/acqua (LogKow):

Dati non disponibili.

Solubilità in grassi (g/L):

Dati non disponibili.

9.2. Altre informazioni

Altri parametri fisici e chimici:

Dati non disponibili.

Proprietà ossidanti:

Dati non disponibili.

SEZIONE 10: STABILITÀ E REATTIVITÀ

10.1. Reattività

Dati non disponibili.

10.2. Stabilità chimica

Il prodotto è stabile nelle condizioni riportate nella sezione 7 "Manipolazione e immagazzinamento".

10.3. Possibilità di reazioni pericolose

Non noto.

10.4. Condizioni da evitare

Non noto.

10.5. Materiali incompatibili

Acidi forti, basi forti, ossidanti forti e agenti riducenti forti.

10.6. Prodotti di decomposizione pericolosi

In normali condizioni di stoccaggio e utilizzo, non devono essere prodotti prodotti di decomposizione pericolosi.

SEZIONE 11: INFORMAZIONI TOSSICOLOGICHE

11.1. Informazioni sulle classi di pericolo definite nel regolamento (CE) n. 1272/2008

Tossicità acuta

Prodotto/ingrediente	perossido di idrogeno soluzione 35%; acqua ossigenata 35%
Specie:	Ratto
Via di esposizione:	Orale
Test:	DL50

Risultato: 1.193 - 1.270 mg/L

Prodotto/ingrediente: perossido di idrogeno soluzione 35%; acqua ossigenata 35%
Specie: Coniglio
Via di esposizione: Cutanea
Test: DL50
Risultato: >2.000 (35% oplossing) mg/kg

Prodotto/ingrediente: 1,2-benzisotiazol-3(2H)-one; 1,2-benzisotiazolin-3-one
Specie: Ratto
Via di esposizione: Orale
Test: DL50
Risultato: 500 mg/kg

Sulla base dei dati disponibili i criteri di classificazione non sono soddisfatti.

Corrosione/irritazione cutanea

Prodotto/ingrediente: perossido di idrogeno soluzione 35%; acqua ossigenata 35%
Risultato: Effetti nocivi osservati (Irritante)

Prodotto/ingrediente: 1,2-benzisotiazol-3(2H)-one; 1,2-benzisotiazolin-3-one
Metodo di prova: OCSE 404
Risultato: Effetti nocivi osservati (Irritante)

Sulla base dei dati disponibili i criteri di classificazione non sono soddisfatti.

Lesioni oculari gravi/irritazioni oculari gravi

Prodotto/ingrediente: perossido di idrogeno soluzione 35%; acqua ossigenata 35%
Risultato: Effetti nocivi osservati (Provoca gravi lesioni oculari)

Prodotto/ingrediente: 1,2-benzisotiazol-3(2H)-one; 1,2-benzisotiazolin-3-one
Metodo di prova: OCSE 405
Risultato: Effetti nocivi osservati (Provoca gravi lesioni oculari)

Sulla base dei dati disponibili i criteri di classificazione non sono soddisfatti.

Sensibilizzazione respiratoria

Prodotto/ingrediente: perossido di idrogeno soluzione 35%; acqua ossigenata 35%
Risultato: Nessun effetto nocivo osservato (non sensibilizzante)

Sulla base dei dati disponibili i criteri di classificazione non sono soddisfatti.

Sensibilizzazione cutanea

Prodotto/ingrediente: 1,2-benzisotiazol-3(2H)-one; 1,2-benzisotiazolin-3-one
Metodo di prova: OCSE 429
Specie: Topo
Risultato: Effetti nocivi osservati (sensibilizzante)

Prodotto/ingrediente: 1,2-benzisotiazol-3(2H)-one; 1,2-benzisotiazolin-3-one
Metodo di prova: OCSE 406
Specie: Porcellino d'india
Risultato: Effetti nocivi osservati (sensibilizzante)

Sulla base dei dati disponibili i criteri di classificazione non sono soddisfatti.

Mutagenicità delle cellule germinali

Sulla base dei dati disponibili i criteri di classificazione non sono soddisfatti.

Cancerogenicità

Prodotto/ingrediente: perossido di idrogeno soluzione 35%; acqua ossigenata 35%
Conclusione: Nessun effetto nocivo osservato

Sulla base dei dati disponibili i criteri di classificazione non sono soddisfatti.

Tossicità per la riproduzione

Prodotto/ingrediente: perossido di idrogeno soluzione 35%; acqua ossigenata 35%
Conclusione: Nessun effetto nocivo osservato

Sulla base dei dati disponibili i criteri di classificazione non sono soddisfatti.

Tossicità specifica per organi bersaglio (STOT) — esposizione singola

Sulla base dei dati disponibili i criteri di classificazione non sono soddisfatti.

Tossicità specifica per organi bersaglio (STOT) — esposizione ripetuta

Sulla base dei dati disponibili i criteri di classificazione non sono soddisfatti.

Pericolo in caso di aspirazione

Prodotto/ingrediente perossido di idrogeno soluzione 35%; acqua ossigenata 35%

Sulla base dei dati disponibili i criteri di classificazione non sono soddisfatti.

11.2. Informazioni su altri pericoli

Effetti cronici

Non noto.

Proprietà di interferenza con il sistema endocrino

In base ai dati disponibili, il prodotto non contiene sostanze elencate nelle principali liste europee di potenziali o sospetti interferenti endocrini con effetti sulla salute umana oggetto di valutazione.

Altre informazioni

perossido di idrogeno soluzione 35%; acqua ossigenata 35%: la sostanza è stata classificata nel gruppo 3 da IARC.

SEZIONE 12: INFORMAZIONI ECOLOGICHE

12.1. Tossicità

Prodotto/ingrediente	perossido di idrogeno soluzione 35%; acqua ossigenata 35%
Specie:	Pesce, Pimephales promelas
Durata:	96 ore
Test:	LC50
Risultato:	16,4 mg/L

Prodotto/ingrediente	perossido di idrogeno soluzione 35%; acqua ossigenata 35%
Specie:	Pesce, Leuciscus idus
Durata:	72 ore
Test:	LC50
Risultato:	35 mg/L

Prodotto/ingrediente	perossido di idrogeno soluzione 35%; acqua ossigenata 35%
Specie:	Pesce, Oncorhynchus mykiss
Durata:	7 giorni
Test:	LC50
Risultato:	38,5 mg/L

Prodotto/ingrediente	perossido di idrogeno soluzione 35%; acqua ossigenata 35%
Specie:	Daphnia pulex
Durata:	48 ore
Test:	EC50
Risultato:	2,4 mg/L

Prodotto/ingrediente	perossido di idrogeno soluzione 35%; acqua ossigenata 35%
Specie:	Daphnia magna
Durata:	24 ore
Test:	EC50
Risultato:	7,7 mg/L

Prodotto/ingrediente	perossido di idrogeno soluzione 35%; acqua ossigenata 35%
Specie:	Skeletonema costatum
Durata:	72 ore
Test:	EC50
Risultato:	1,38 mg/L

Prodotto/ingrediente	perossido di idrogeno soluzione 35%; acqua ossigenata 35%
Metodo di prova:	OCSE 209
Specie:	Batteri
Comparto ambientale:	Impianto per i fanghi attivi
Durata:	30 minutes
Test:	EC50
Risultato:	466 mg/L

Prodotto/ingrediente	perossido di idrogeno soluzione 35%; acqua ossigenata 35%
Metodo di prova:	OCSE 209
Specie:	Batteri
Comparto ambientale:	Impianto per i fanghi attivi
Durata:	3 ore
Test:	EC50
Risultato:	> 1.000 mg/L

Prodotto/ingrediente	1,2-benzisotiazol-3(2H)-one; 1,2-benzisotiazolin-3-one
Specie:	Pesce
Durata:	96 ore
Test:	LC50
Risultato:	>0.1-1 mg/L

Prodotto/ingrediente	1,2-benzisotiazol-3(2H)-one; 1,2-benzisotiazolin-3-one
Specie:	Crostacei
Durata:	48 ore
Test:	EC50
Risultato:	>0.1-1 mg/L

Prodotto/ingrediente	1,2-benzisotiazol-3(2H)-one; 1,2-benzisotiazolin-3-one
Specie:	Alghe
Durata:	72 ore
Test:	EC50
Risultato:	>0.1-1 mg/L

Sulla base dei dati disponibili i criteri di classificazione non sono soddisfatti.

12.2. Persistenza e degradabilità

Prodotto/ingrediente	Alcohol, C13, bran., EO, sulfate Na~
Risultato:	> 60 %
Conclusione:	Pronta biodegradabilità
Test:	OCSE 301 B

Prodotto/ingrediente	perossido di idrogeno soluzione 35%; acqua ossigenata 35%
Conclusione:	Pronta biodegradabilità

Prodotto/ingrediente	1,2-benzisotiazol-3(2H)-one; 1,2-benzisotiazolin-3-one
Risultato:	90%
Conclusione:	Pronta biodegradabilità
Test:	OECD 302

Il(i) tensioattivo(i) contenuto(i) in questo formulato è (sono) conforme(i) ai criteri di biodegradabilità stabiliti dal regolamento (CE) n. 648/2004 relativo ai detergenti. Tutti i dati di supporto sono tenuti a disposizione delle autorità competenti degli Stati Membri e saranno forniti, su loro esplicita richiesta o su richiesta di un produttore del formulato, alle suddette autorità.

12.3. Potenziale di bioaccumulo

Prodotto/ingrediente	perossido di idrogeno soluzione 35%; acqua ossigenata 35%
LogKow:	-1,57
Conclusione:	-

Prodotto/ingrediente	1,2-benzisotiazol-3(2H)-one; 1,2-benzisotiazolin-3-one
BCF:	2

LogKow: 1.45
Conclusione: Il potenziale di bioaccumulo è basso

12.4. Mobilità nel suolo

Dati non disponibili.

12.5. Risultati della valutazione PBT e vPvB

Questa miscela/prodotto non contiene sostanze che soddisfano i criteri di classificazione PBT e/o vPvB.

12.6. Proprietà di interferenza con il sistema endocrino

Questa sostanza/miscela non contiene componenti considerati aventi proprietà di interferenza endocrina in relazione all'ambiente.

12.7. Altri effetti avversi

Non noto.

SEZIONE 13: CONSIDERAZIONI SULLO SMALTIMENTO

13.1. Metodi di trattamento dei rifiuti

Il materiale non utilizzato può essere smaltito in accordo alle norme vigenti relativamente ai rifiuti speciali assimilabili agli urbani. (*)

HP 4 - Irritante (Irritazione cutanea e lesioni oculari)

Regolamento (UE) n. 1357/2014 della Commissione del 18 dicembre 2014 relativo ai rifiuti.

Codice CER:

20 01 30 Detergenti diversi da quelli di cui alla voce 20 01 29

Imballaggio contaminato

Gli imballaggi contenenti piccoli resti del prodotto devono essere smaltiti allo stesso modo del prodotto.

SEZIONE 14: INFORMAZIONI SUL TRASPORTO

	14.1 ONU	14.2 Designazione ufficiale ONU di trasporto	14.3 Classi di pericolo connesso al trasporto	14.4 PG*	14.5. Env**	Altre informazioni:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Gruppo d'imballaggio

** Pericoli per l'ambiente

Altro

Prodotto non pericoloso in base ai criteri della normativa sul trasporto via terra, IATA e via mare.

14.6. Precauzioni speciali per gli utilizzatori

Non applicabile.

14.7. Trasporto marittimo alla rinfusa conformemente agli atti dell'IMO

Dati non disponibili.

SEZIONE 15: INFORMAZIONI SULLA REGOLAMENTAZIONE

15.1. Disposizioni legislative e regolamentari su salute, sicurezza e ambiente specifiche per la sostanza o la miscela

Limitazioni d'uso:

Uso ristretto agli utilizzatori professionali.

Esigenza di istruzioni particolari:

Nessun requisito particolare.

SEVESO - Categorie / Sostanze pericolose:

Non applicabile.

Regolamento relativo di precursori di esplosivi:

perossido di idrogeno soluzione 35%; acqua ossigenata 35% (Allegato I)

Etichettatura dei contenuti conforme al Regolamento sui detergenti 648/2004:

>5% - <15%

· Tensioattivi Non ionici

< 5%

· Tensioattivi anionici

· Sbiancanti a base di ossigeno

· Profumi

· Conservanti (BENZISOTHIAZOLINONE)

Altro:

Il(i) tensioattivo(i) contenuto(i) in questo formulato è (sono) conforme(i) ai criteri di biodegradabilità stabiliti dal regolamento (CE) n. 648/2004 relativo ai detergenti. Tutti i dati di supporto sono tenuti a disposizione delle autorità competenti degli Stati Membri e saranno forniti, su loro esplicita richiesta o su richiesta di un produttore del formulato, alle suddette autorità.

Fonti:

Regolamento (CE) n. 648/2004 del Parlamento europeo e del Consiglio, del 31 marzo 2004, relativo ai detergenti.

Regolamento (UE) n. 1357/2014 della Commissione del 18 dicembre 2014 relativo ai rifiuti.

Regolamento (UE) 2019/1148 relativo di precursori di esplosivi.

Regolamento (CE) n. 1272/2008 del Parlamento europeo e del Consiglio del 16 dicembre 2008 relativo alla classificazione, all'etichettatura e all'imballaggio delle sostanze e delle miscele (CLP).

Regolamento (CE) n. 1907/2006 del Parlamento europeo e del Consiglio, del 18 dicembre 2006, concernente la registrazione, la valutazione, l'autorizzazione e la restrizione delle sostanze chimiche (REACH).

15.2. Valutazione della sicurezza chimica

No

SEZIONE 16: ALTRE INFORMAZIONI

Il testo completo delle frasi H è riportato nella sezione 3

H271, Può provocare un incendio o un'esplosione; molto comburente.

H302, Nocivo se ingerito.

H314, Provoca gravi ustioni cutanee e gravi lesioni oculari.

H315, Provoca irritazione cutanea.

H318, Provoca gravi lesioni oculari.

H319, Provoca grave irritazione oculare.

H332, Nocivo se inalato.

H335, Può irritare le vie respiratorie.

H336, Può provocare sonnolenza o vertigini.

H412, Nocivo per gli organismi acquatici con effetti di lunga durata.

Abbreviazioni e acronimi

ADN = Norme Europee relative al Trasporto Internazionale di Merci Pericolose per Vie Navigabili Interne

ADR = Accordo Europeo relativo al Trasporto Internazionale di Merci Pericolose su Strada

ATE = Stima della Tossicità Acuta

BCF = Fattore di Bioconcentrazione

CAS = Chemical Abstracts Service

CE = Conformité Européenne

CER = Catalogo Europeo dei Rifiuti

CLP = Classificazione, Etichettatura e Imballaggio [Regolamento (CE) N. 1272/2008]

CSA = Valutazione sulla Sicurezza Chimica

CSR = Relazione sulla Sicurezza Chimica

DMEL = Livello derivato con effetti minimi

DNEL = Livello derivato senza effetto

EINECS = Inventario Europeo delle Sostanze chimiche Esistenti a carattere Commerciale

ES = Scenario di Esposizione Indicazione
EUH = disposizioni di rischio specifiche al regolamento CLP
EuPCS = Sistema europeo di categorizzazione dei prodotti
GHS = Sistema Mondiale Armonizzato di Classificazione ed Etichettatura delle Sostanze Chimiche
GWP = Potenziale di riscaldamento globale
IATA = Associazione Internazionale per il Trasporto Aereo
IBC = Contenitori Bulk
IMDG = Trasporto Marittimo Internazionale di Merci Pericolose
Log Kow = log del coefficiente di ripartizione ottanolo/acqua
MARPOL = Convenzione Internazionale del 1973 per la Prevenzione dell'Inquinamento causato dalle Navi e il relativo protocollo del 1978
OCSE = Organizzazione per la Cooperazione e lo Sviluppo Economico
ONU = Organizzazione delle Nazioni Unite
PBT = Persistente, Bioaccumulante, Tossico
PNEC = Concentrazione Prevedibile Priva di Effetti
RID = I Regolamenti concernenti il Trasporto Internazionale di Merci Pericolose per Ferrovia
RRN = Numero REACH di Registrazione
rc = gli altri rifiuti soggetti a controllo
rcm = gli altri rifiuti soggetti a controllo con obbligo di modulo di accompagnamento
rs = rifiuti speciali
SCL = Limite di concentrazione specifico
SVHC = Sostanze Molto Pericolose
STOT = Tossicità Specifica per Organi Bersaglio - Esposizione Ripetuta
STOT = Tossicità Specifica per Organi Bersaglio - Esposizione Singola
TWA = Media ponderata nel tempo
UVCB = Indica sostanze di composizione sconosciuta o variabile, prodotti di una reazione complessa o materiali biologici.
VOC = Composti Organici Volatili
vPvB = Molto Persistente e Molto Bioaccumulabile

Altro

Non applicabile.

Convalidato da

Quality & Compliance

Altro

La presenza di un triangolo indica una modifica rispetto alla versione precedente (primo numero nella versione SDS, vedere sezione 1).

Le indicazioni riportate nella presente scheda di dati di sicurezza si applicano esclusivamente al prodotto indicato nella sezione 1 e non si applicano necessariamente in caso di utilizzo con altri prodotti.

Si consiglia di consegnare la presente scheda di dati di sicurezza all'utente del prodotto. Le informazioni riportate non possono essere utilizzate come specifiche prodotto.

Nazione-lingua: IT-it

安全データシート

i.1 all-purpose cleaner FlexDose

項目 1: 物質/製剤および会社/企業の特定

1.1. 製品識別子

▼ 製品名:

i.1 all-purpose cleaner FlexDose

1.2. 推奨用途及び使用上の制限

物質または混合物で関連の特定使用:
洗剤および洗浄剤（溶剤系を含む）
産業用専用。

対提言使用:
不明。

1.3. 安全データシートの供給業者の詳細

会社と住所:

Hygeniq B.V.
Postbus 618
7500 AP Enschede
The Netherlands
+31 53 4282860
+31 53 5393865
www.hygeniq.com

電子メール:
info@hygeniq.com

SDS 日付:
2025/06/27

SDS バージョン:
2.0

前作成日:
2025/06/02 (1.0)

1.4. 緊急連絡用電話番号（受付時間）

緊急時には119（24時間サービス）に電話すること
公益財団法人 日本中毒情報センター：+81-72-727-2499
項目4を参照：応急措置

項目2: 危険有害性の要約

2.1. 物質または混合物の分類

GHS による分類なし

2.2. ラベル要素

危険有害性の絵文字:
該当なし。

注意喚起語:

該当なし.

危険有害性情報:

該当なし.

注意書き:

概要:

-

安全対策:

-

応急措置:

-

保管:

-

廃棄:

-

危険有害性成分:

報告に必要な物質が含まれていません

追加ラベル付け:

該当なし.

項目3: 組成及び成分情報

3.1. 成分

該当なし. この製品は混合物です。

3.2. 混合物

製品 / 成分	識別子	% w/w	分類	注記
Alcohol, C13, bran., EO, sulfate Na~	CAS番号 : 150413-26-6 EC番号 : 688-316-0	1-3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 3, H412	
hydrogen peroxide	CAS番号 : 7722-84-1 EC番号 : 231-765-0	1-3%	Ox. Liq. 1, H271 Acute Tox. 4, H302 Skin Corr. 1A, H314 (SCL: 70.00 %) Skin Corr. 1B, H314 (SCL: 50.00 %) Skin Irrit. 2, H315 (SCL: 35.00 %) Eye Dam. 1, H318 (SCL: 8.00 %) Eye Irrit. 2, H319 (SCL: 5.00 %) Acute Tox. 4, H332 STOT SE 3, H336 (SCL: 35.00 %)	
citroenzuurmonohydraat	CAS番号 : 5949-29-1 EC番号 : 611-842-9	<0.1%	Eye Irrit. 2, H319	

セクション16のHフレーズの全文を参照のこと。職業ばく露限界は利用可能な場合は、セクション8に記載されている。

その他の情報

-

項目4: 応急措置

4.1. 応急処置の解説

一般情報:

事故の場合：医師または緊急部門に連絡すること - ラベルまたはこの安全データシートを持参する。

被害者の状態に疑問がある場合、または症状が継続する場合は、医師に連絡すること。絶対に意識不明の人に水やその他の飲み物を与えないこと。

吸入した場合:

不快感がある場合：被害者を新鮮な空気を吸える場所に移動する。

皮膚に付着した場合:

刺激が発生した場合：水ですすぐ。刺激が続く場合は、医師と相談すること。

眼に入った場合:

ぬるま湯で優しく洗い流してください。簡単にコンタクトレンズを外せる場合は外してください。すすぎを続けます。目の炎症や不快感が続く場合: 医師の診察を受けてください。

飲み込んだ場合:

水で口を十分に洗い、多量の水を飲むこと。不快感が続く場合：この安全データシートを持参して、医師と相談すること。

やけど:

該当なし。

4.2. 重大な症状と作用の大部分には、急性および遅延性の両方がある 不明。

4.3. 何らかの即時の手当および特別な治療が必要とされることの表示 対症療法を行う。

医師に対する特別な注意事項

この安全データシートを持参のこと。

項目5: 火災時の措置

5.1. 消火剤

該当なし。

5.2. 物質または混合物から生じる特別な危険有害性

火は濃い煙をもたらす。燃焼製品にさらされると、健康に害を及ぼす可能性がある。火にさらされた密閉容器は、水で冷却すべきである。絶対に、消火水が下水や近くの地表水に入らないようにする。

例えば火災など製品が高温にさらされた場合、危険な分解化合物が生成される。これらは次がある：

酸化炭素 (CO / CO₂)

5.3. 消防士に対する助言

特定の要件なし。

項目6: 漏出時の措置

6.1. 人体に対する注意事項、保護具及び緊急時措置

汚染区域は滑りやすい場合がある。

6.2. 環境に対する注意事項

湖、小川、下水道などへの排出を避けること。

権限のない人を流出から遠ざける

6.3. 封じ込め及び浄化の方法及び機材

不燃性、吸収性物質で流出物を入れて収集します。砂、土、バーミキュライトまたは珪藻土を廃棄し、地元の規制に従って廃棄できるように容器に入れます。

洗浄は可能な限り、通常の洗浄剤で行う。溶剤の使用は避けること。

6.4. 他のセクションを参照

廃棄物取り扱いの追加情報に関してはセクション13を参照。

適切な個人保護装置に関する情報についてはセクション8を参照。

項目7: 取扱い及び保管上の注意

7.1. 安全に取扱うための注意事項

作業場での喫煙、飲酒、食べ物の摂取は禁止する。

作業者保護に関する情報については、「ばく露制御/個人保護」のセクションを参照のこと。

7.2. あらゆる配合禁忌を含む、安全な保管条件

推奨保管材料:

他の容器に移し替えないこと。

保管条件:

乾燥、涼しい、十分な換気

混触危険物質:

強酸、強塩基、強酸化剤、及び強い還元剤。

7.3. 特定の最終用途

この製品はセクション1.2で引用した応用のみに使用しなければならない。

項目8: ばく露防止及び保護措置

8.1. 許容濃度

職業ばく露限界のある物質の全国リストに記載されている物質はない。

8.2. 暴露の管理

不必要な被ばくを防ぐため、全般的な管理を行います。

一般的な推奨事項:

作業場での喫煙、飲酒、食べ物の摂取は禁止する。

ばく露シナリオ:

"この製品にはばく露シナリオは実装されていない。

暴露限界値:

この製品の物質に対する職業ばく露限界は定義されていない。

適切な技術的管理:

本製品の使用中には、標準的予防措置が適用されます。蒸気の吸入を避けます。

衛生対策:

使用後に手を洗うこと。

環境暴露管理:

特定の要件なし。

個人の保護措置

一般的:

CEマークが付いた保護具のみを使用すること。

呼吸用保護具:

推奨フィルタの種類	クラス	クラス	標準	
目的のとおりに使用する場合は、特別な条件はない				

身体保護具:

推奨	タイプ / カテゴリ	標準	
目的のとおりに使用する場合は、特別な条件はない	-	-	

手の保護具:

工事状況	材料	手袋の厚さ (mm)	破過時間 (分)	標準	
	目的のとおりを使用する場合は、特別な条件はない	-	-	-	
長期被爆または高濃度の場合	綿/ニトリル ゴム、	-	> 120	EN374-2, EN16523-1, EN388	

保護眼鏡/保護面:

工事状況	推奨	標準	
	目的のとおりを使用する場合は、特別な条件はない	-	
長期被爆または高濃度の場合	サイドシールド付き安全メガネ	EN166	

項目9: 物理的及び化学的性質

9.1. 基本的な物理学および化学的特性に関する情報

物理的状:

液体

色:

無色

臭い:

香水の

臭気しきい値 (ppm) :

利用可能なデータなし.

pH:

ca. 4.8

比重 (g/cm³):

1.02 (20 °C)

粘度:

利用可能なデータなし.

粒子特性:

液体には適用されません。

フェーズの変更

融点・凝固点 (°C):

利用可能なデータなし.

軟化点/範囲 (°C):

液体には適用されません。

沸点/沸騰範囲 (°C):

利用可能なデータなし.

蒸気圧:

利用可能なデータなし.

蒸気密度:

利用可能なデータなし.

分解温度 (°C):

利用可能なデータなし.

蒸発速度:

火災および爆発の危険性に関するデータ

引火点 (°C):

利用可能なデータなし.

引火性 (°C):

利用可能なデータなし.

自然発火温度 (°C):

利用可能なデータなし.

爆発 (燃焼) 限界の上限および下限 (% v/v):

利用可能なデータなし.

溶解度

水中の溶解度:

完全に溶ける

分配係数 (LogKow):

利用可能なデータなし.

脂肪の溶解度 (g/L) :

利用可能なデータなし.

9.2. その他の情報

揮発性有機化合物(VOC):

その他の物理的および化学的パラメータ:

利用可能なデータなし.

酸化特性:

利用可能なデータなし.

項目10: 安定性及び反応性

10.1. 反応性

利用可能なデータなし.

10.2. 化学的安定性

製品は「取り扱いと保管」のセクションに記載されている条件下で安定している。

10.3. 危険有害反応可能性

不明。

10.4. 避けるべき条件

不明。

10.5. 混触危険物質

強酸、強塩基、強酸化剤、及び強い還元剤。

10.6. 危険有害な分解生成物

通常の保管および使用条件下では、有害な分解生成物は発生しません。

項目11: 有害性情報

11.1. 毒物学的作用に関する情報

急性毒性

製品 / 成分

hydrogen peroxide

種類:

ラット

暴露経路:

経口

テスト:

LD50

結果: 1.193 - 1.270 mg/L

製品 / 成分 hydrogen peroxide
種類: ウサギ
暴露経路: 皮膚
テスト: LD50
結果: >2.000 (35% oplossing) mg/kg

製品 / 成分 1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
種類: ラット
暴露経路: 経口
テスト: LD50
結果: 500 mg/kg

使用可能なデータを基にすると、分類基準が満たされていません。

刺激性/腐食性

製品 / 成分 hydrogen peroxide
結果: 副作用が認められる (刺激する)

製品 / 成分 1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
試験方法: OECD 404
結果: 副作用が認められる (刺激する)

使用可能なデータを基にすると、分類基準が満たされていません。

重篤な眼の損傷/刺激

製品 / 成分 hydrogen peroxide
結果: 副作用が認められる (重篤な眼の損傷)

製品 / 成分 1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
試験方法: OECD 405
結果: 副作用が認められる (重篤な眼の損傷)

使用可能なデータを基にすると、分類基準が満たされていません。

呼吸器ま感作

製品 / 成分 hydrogen peroxide
結果: 副作用は認められない (感作しない)

使用可能なデータを基にすると、分類基準が満たされていません。

皮膚感作

製品 / 成分 1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
試験方法: OECD 429
種類: ネズミ
結果: 副作用が認められる (敏感化)

製品 / 成分 1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
試験方法: OECD 406
種類: テンジクネズミ
結果: 副作用が認められる (敏感化)

使用可能なデータを基にすると、分類基準が満たされていません。

変異原性

使用可能なデータを基にすると、分類基準が満たされていません。

発がん性

製品 / 成分 hydrogen peroxide
結論: 副作用は認められない

使用可能なデータを基にすると、分類基準が満たされていません。
hydrogen peroxide : 物質はIARCでグループ3に分類されている。

催奇形性 / 発育への影響

製品 / 成分 hydrogen peroxide
結論: 副作用は認められない

使用可能なデータを基にすると、分類基準が満たされていません。

特定標的臓器 / 全身毒性（単回暴露）

使用可能なデータを基にすると、分類基準が満たされていません。

特定標的臓器 / 全身毒性（反復暴露）

使用可能なデータを基にすると、分類基準が満たされていません。

呼吸に対する危険有害性

製品 / 成分 hydrogen peroxide
使用可能なデータを基にすると、分類基準が満たされていません。

健康への慢性効果の可能性

不明。

項目12: 環境影響情報

12.1. 毒性

製品 / 成分 hydrogen peroxide
種類: 魚類, Pimephales promelas
存続期間: 96 時間
テスト: LC50
結果: 16,4 mg/L

製品 / 成分 hydrogen peroxide
種類: 魚類, Leuciscus idus
存続期間: 72 時間
テスト: LC50
結果: 35 mg/L

製品 / 成分 hydrogen peroxide
種類: 魚類, Oncorhynchus mykiss
存続期間: 7 日
テスト: LC50
結果: 38,5 mg/L

製品 / 成分 hydrogen peroxide
種類: Daphnia pulex
存続期間: 48 時間
テスト: EC50
結果: 2,4 mg/L

製品 / 成分 hydrogen peroxide
種類: Daphnia magna
存続期間: 24 時間
テスト: EC50
結果: 7,7 mg/L

製品 / 成分 hydrogen peroxide
種類: Skeletonema costatum
存続期間: 72 時間
テスト: EC50
結果: 1,38 mg/L

製品 / 成分 hydrogen peroxide
試験方法: OECD 209

JIS Z 7253:2019 による

種類: バクテリア
環境: 活性スラッジプラント
存続期間: 30 minutes
テスト: EC50
結果: 466 mg/L

製品 / 成分: hydrogen peroxide
試験方法: OECD 209
種類: バクテリア
環境: 活性スラッジプラント
存続期間: 3 時間
テスト: EC50
結果: > 1.000 mg/L

製品 / 成分: 1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
種類: 魚類
存続期間: 96 時間
テスト: LC50
結果: >0.1-1 mg/L

製品 / 成分: 1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
種類: 甲殻綱
存続期間: 48 時間
テスト: EC50
結果: >0.1-1 mg/L

製品 / 成分: 1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
種類: 藻類
存続期間: 72 時間
テスト: EC50
結果: >0.1-1 mg/L

使用可能なデータを基にすると、分類基準が満たされていません。

12.2. 残留性・分解性

製品 / 成分: Alcohol, C13, bran., EO, sulfate Na~
結果: > 60 %
結論: 生分解しやすい
テスト: OECD 301 B

製品 / 成分: hydrogen peroxide
結論: 生分解しやすい

製品 / 成分: 1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
結果: 90%
結論: 生分解しやすい
テスト: OECD 302

12.3. 生体蓄積性

製品 / 成分: hydrogen peroxide
LogKow: -1,57
結論: -

製品 / 成分: 1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
BCF: 2
LogKow: 1.45
結論: 生体濃縮する可能性は低い

12.4. 土壌中の移動性

利用可能なデータなし.

12.5. 12.5.PBTおよびvPvB評価の結果

この混合物/製品には、PBTまたはvPvB、もしくはその両者として分類される基準を満たすと考慮される物質は含まれていない。

12.6. その他の悪影響

不明。

項目13: 廃棄上の注意

廃棄物処理方法

内容物/容器をに廃棄すること。

特定のラベル

汚染された包装

製品の残渣を含む包装は製品と同様に処分する必要がある。

項目14: 輸送上の注意

	14.1 国連番号	14.2 輸送固有名	14.3 範疇	14.4 PG*	14.5 Env**	その他の情報:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* 容器等級

** 環境有害性

追加情報

ADR、IATAおよびIMDGによると危険物ではない。

14.6. 使用者のための特別な予防措置

該当なし。

14.7. MARPOL条約の附属書IIおよびIBCコードによるばら積み運搬

利用可能なデータなし。

項目15: 適用法令

15.1. 物質または混合物ごとに個別に関連する、安全、健康および環境に関する規則/法律

応用の制限:

産業用専用。

特定教育に対する要求:

特定の要件なし。

その他の情報:

該当なし。

既存および新規化学物質 (ENCs):

どの化学成分も表示されていない。

毒物及び劇物取締法:

hydrogen peroxide

化管法 (PRTR):

どの化学成分も表示されていない。

有機溶剤中毒予防規則:

どの化学成分も表示されていない。

ソース:

GHS に基づく化学品の分類方法. JIS Z 7252 (2019)

GHS に基づく化学品の危険有害性情報の伝達方法ーラベル, 作業場内の表示及び安全データシート (SDS). JIS Z 7253 (2019)

項目16: その他の情報

セクション3に記載のHフレーズ全文

H271, 火災または爆発のおそれ; 強酸化性物質。

H302, 飲み込むと有害。

H314, 重篤な皮膚の薬傷・眼の損傷

H315, 皮膚刺激。

H318, 重篤な眼の損傷。

H319, 強い眼刺激。

H332, 吸入すると有害。

H336, 眠気やめまいのおそれ。

H412, 長期的影響により水生生物に有害。

セクション1に記載の識別された使用の全文
不明。

略語と頭字語

ACGIH = アメリカ産業衛生専門家会議

ADN = ヨーロッパ内陸水路危険物運送規定

ADR = ヨーロッパ道路危険物運送条約

ATE = 急性毒性見積

BCF = 生物濃縮係数

CAS = ケミカル・アブストラクト・サービス

EINECS = 欧州既存商業化学物質リスト

GHS = 化学品の分類および表示に関する世界調和システム

IARC = 国際がん研究機関

IATA = 国際航空運送協会

IMDG = 国際海上危険物規程

LogPow = オクタノール／水分配係数の対数

MARPOL = 1978年の議定書によって修正された1973年船舶による汚染防止のための国際条約

NIOSH = 国立労働安全衛生研究所

OECD = 経済協力開発機構

OSHA = 労働安全衛生局

RID = 鉄道による危険物の国際輸送に関する規制

RRN = REACH登録番号

SCL = には特定の濃度限界値 (SCL) がある。

STEL = 短期ばく露限界

STOT-RE = 特定標的臓器毒性 (反復ばく露)

STOT-SE = 特定標的臓器毒性 (単回ばく露)

TWA = 時間加重平均

UN = 国際連合

VOC = 揮発性有機化合物

追加情報

職業ばく露限界のある物質の全国リストに記載されている物質はない。

本製品には安全データシートは義務付けられていません。この安全データシートは関連情報を通知するため任意で作成されたものです。

安全データシートは次により確認される

Quality & Compliance

その他

変更 (最後の本質的な変更 (SDS バージョンの最初の文字、セクション1を参照) に対して) は、青い三角形で表示されて

いる。

この安全データシート情報はこの特定製品（セクション1に記載）にのみ適用され、他の化学薬品/製品で使用する場合は必ずしも正しいものではない。

この安全データシートを、製品の実際の利用者に渡すことを推奨する。この安全データシート情報は製品仕様としては使用できない。

国-言語: JP-ja

안전 데이터 시트

i.1 all-purpose cleaner FlexDose

1: 물질/제품과 회사 정보

1.1. 제품 식별명

▼ 제품명:
i.1 all-purpose cleaner FlexDose

1.2. 제품의 권고 용도와 사용상의 제한

▼ 물질 또는 혼합물의 적절한 식별 용도:
세제 및 세정제(솔벤트 기반 세제 포함)
전문 사용자 전용.

권고되는 사용 대상:
알려진 바 없습니다.

1.3. 물질안전보건자료의 공급자에 대한 자세한 사항

회사 세부정보:
Hygeniq B.V.
Postbus 618
7500 AP Enschede
The Netherlands
+31 53 4282860
+31 53 5393865
www.hygeniq.com

이메일:
info@hygeniq.com

SDS 날짜:
2025. 6. 27.

SDS 버전:
2.0

이전 호 발행일:
2025. 6. 2. (1.0)

1.4. 긴급전화번호

응급의료센터: 1339(24시간 서비스)
섹션 4: 응급조치

2: 유해성·위험성

2.1. 물질 또는 혼합물의 분류

화학 물질 및 물질 안전 보건 자료의 분류 라벨링 표준(MoEL No. 2016-19)에 따라 분류되지 않음.

2.2. 표지 요소

유해 그림문자:
해당사항 없음.

신호어:
해당사항 없음.

유해·위험 문구:

예방조치 문구:

일반:

-

예방:

-

대응:

-

저장:

-

폐기:

-

내용량, 성분 및 함유량:

신고가 필요한 물질을 포함하지 않음

추가 라벨링:

해당사항 없음.

3: 구성성분의 명칭 및 함유량

3.1. 물질

해당사항 없음. 이 제품은 혼합물입니다.

3.2. 혼합물

제품/성분	식별자	% w/w	분류	참고
물	CAS번호: 7732-18-5 EC: 231-791-2	80-95%		
Glycerides, coco mono- and di-, ethoxylated	CAS번호: 68201-46-7 EC: 614-376-4	3-5%		
alcohol ethoxylate	CAS번호: EC:	3-5%		
2-(2-ethoxyethoxy)ethanol	CAS번호: 111-90-0 EC: 203-919-7	1-3%		
Alcohol, C13, bran., EO, sulfate Na~	CAS번호: 150413-26-6 EC: 688-316-0	1-3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 3, H412	
hydrogen peroxide	CAS번호: 7722-84-1 EC: 231-765-0	1-3%	Ox. Liq. 1, H271 Acute Tox. 4, H302 Skin Corr. 1, H314 Skin Irrit. 2, H315 (SCL: 35.00 %) Eye Dam. 1, H318 (SCL: 8.00 %) Eye Irrit. 2, H319 (SCL: 5.00 %) Acute Tox. 4, H332 STOT SE 3, H336 (SCL: 35.00 %)	
D-Glucopyranose, oligomers, decyloctyl glycoside	CAS번호: 68515-73-1 EC:	<1%	Eye Dam. 1, H318 (SCL: 10.00 %) Eye Irrit. 2, H319 (SCL: 10.00 %)	
Fatty acids, C16-18 and C18-	CAS번호: 67762-38-3	<1%		

화학물질의 분류, 표시 및 물질안전보건자료에 관한 기준, 제10조 따름

unsatd., Me esters	EC: 267-015-4			
Xanthan gum	CAS번호: 11138-66-2 EC: 234-394-2	<0.25%		

섹션 16에 언급된 H-문구 전문을 참조하십시오. 작업장 노출 한도 자료가 있을 경우 섹션 8에 나옵니다.

그 밖의 참고사항

-

4: 응급조치 요령

4.1. 응급조치에 관한 기술

일반:

사고의 경우: 의사 또는 사상자 부서에 문의하고 (119) 라벨이나 이 물질 안전 보건자료를 지참하십시오.

부상 당한 사람의 상태가 의심되거나 증상이 지속되면 의사에게 문의하십시오. 의식이 없는 사람에게 물이나 다른 음료를 주지 마십시오.

흡입했을 때:

불편한 경우: 사람을 신선한 공기가 있는 곳으로 데려가십시오.

피부에 접촉했을 때:

자극 시: 물로 행굽니다. 자극이 계속되면 의학적 도움을 받으십시오.

눈에 들어갔을 때:

미지근한 물로 부드럽게 행구십시오. 가능하다면 콘택트렌즈를 제거하십시오. 계속해서 행구십시오. 눈에 지속적인 자극이나 불편함이 있는 경우: 의사의 진료를 받으십시오.

먹었을 때:

입을 행구고 씻고 다량의 물을 섭취하십시오. 계속 불편한 경우: 의료 지원을 요청하고 이 물질 안전 보건자료를 가져 가십시오.

화상:

해당사항 없음.

4.2. 가장 중요한 급성 및 지연 증상과 영향

알려진 바 없습니다.

4.3. 즉시 필요한 의학적 주의사항 및 특별한 처치 지침

증상에 따라 치료하십시오.

기타 의사의 주의사항

이 물질 안전 보건자료를 지참하십시오.

5: 폭발·화재시 대처방법

5.1. 소화제

해당사항 없음.

5.2. 물질 또는 혼합물로 부터 발생하는 특별한 위험

화재 시 짙은 연기가 발생합니다. 연소 제품에 노출되면 건강에 해를 줄 수 있습니다. 화재에 노출된 밀폐 용기는 물로 식혀야 합니다. 소화수가 하수 시스템 및 인근 지표수에 유입되지 않도록 하십시오.

제품이 예를 들어 화재와 같은 고온에 노출되면 위험한 분해 화합물이 생성됩니다. 예:

탄소 산화물 (CO / CO2)

5.3. 화재 진압에 대한 조언

특정한 요구 사항 없음.

6: 누출 사고 시 대처방법

- 6.1. 인체를 보호하기 위해 필요한 조치 사항 및 보호구**
특히 밀폐된 공간에서는 환기가 적절히 되도록 하십시오.
오염된 부분은 미끄러울 수 있습니다.
- 6.2. 환경을 보호하기 위해 필요한 조치사항**
호수, 개울, 하수구 등으로 배출하지 마십시오.
허가받지 않은 사람이 누출물로부터 멀리 떨어지게 하십시오.
- 6.3. 정화 또는 제거 방법**
유출물을 모래나 흙, 질석, 구조토와 같은 불연성, 흡수성 물질에 모아 담아 현지 규정에 따라 폐기 가능한 용기에 담으십시오.
가능한 일반적인 세척제로 세척합니다. 용제 사용을 피하십시오.
- 6.4. 기타 항목에대한 참조**
폐기물 처리와 관련하여 13 '폐기시 주의사항' 섹션을 참조하십시오.
보호 조치는 8 '노출방지 및 개인보호구' 섹션을 참조하십시오.

7: 취급 및 저장방법

- 7.1. 안전취급요령**
작업 구역에서는 흡연, 음주 및 음식 섭취가 금지됩니다.
개인 보호에 대한 정보는 '노출방지 및 개인보호구' 섹션을 참조하십시오.
- 7.2. 안전한 저장 방법(피해야 할 조건을 포함함)**
권장되는 보관재료:
원래의 용기에만 보관하십시오.
보관 조건:
건조하고 시원하며 통풍이 잘 됨
피해야 할 물질:
강산, 강염기, 강력한산화제 및 강력한 환원제
- 7.3. 구체적인 사용 용도**
이 제품은 섹션 1.2에 인용된 애플리케이션에만 사용해야 합니다.

8: 노출방지 및 개인보호구

- 8.1. 제어 변수**
hydrogen peroxide
장시간 노출 한계(8시간) (ppm): 1

화학물질 및 물리적 인자의 노출기준
고용노동부 (한국, 8/2016).
- 8.2. 노출 관리**
주어진 작업장 노출 한도 값을 준수하는지 정기적으로 통제해야 합니다.
일반 권장 사항:
작업 구역에서는 흡연, 음주 및 음식 섭취가 금지됩니다.
노출 시나리오:
이 제품에 대해 구현된 노출 시나리오가 없습니다.
노출 허용치:
전문 사용자는 작업장 노출에 대해 법적으로 설정된 최대 농도의 적용을 받습니다. 위의 산업 위생 한계 값을 참조하십시오.
적절한 공학적 관리:

수증기 발생은 최소 수준 및 현 한도값 이하로 유지하여야 한다(위 내용 참조). 작업 공간에 정상적인 공기의 흐름이 부족한 경우, 로컬 배기 시스템 설치를 권장한다. 비상 눈세척 및 샤워를 명확하게 표시하도록 한다.
제품 사용시 표준 예방 조치에 따른다. 수증기 흡입을 피한다.

위생상 주의사항:
사용 후 손을 씻으십시오.

환경 노출 관리:
특정한 요구 사항 없음.

개인 보호 조치

일반:
KC 마크 보호 장비만 사용하십시오.

호흡기 보호:

유형	등급	색상	표준	
의도한 대로 사용하면 특별하지 않습니다				

신체 보호:

추천	타입/범주	표준	
의도한 대로 사용하면 특별하지 않습니다	-	-	

손 보호:

작업 상황	물질	장갑 두께 (mm)	돌파 시간 (분)	표준	
	의도한 대로 사용하면 특별하지 않습니다	-	-	-	
긴 시간 노출 또는 높은 농도인 경우	면/니트릴 고무	-	> 120	EN374-2, EN16523-1, EN388	

눈/안면 보호구:

작업 상황	유형	표준	
	의도한 대로 사용하면 특별하지 않습니다	-	
긴 시간 노출 또는 높은 농도인 경우	측면 실드가 있는 안전 안경	EN166	

9: 물리화학적 특성

9.1. 물리화학적 특성에 관한 정보

물리적 상태:
액체

색:
무색

냄새:
향수의

냄새 역치 (ppm):
자료 없음.

pH:
ca. 4.8

비중 (g/cm³):

1.02 (20 °C)

점도:

자료 없음.

입자 특성:

액체에 사용하지 마십시오.

위상 변화

녹는점/어는점 (°C):

자료 없음.

액체에 사용하지 마십시오.

초기 끓는점과 끓는점 범위 (°C):

자료 없음.

증기압:

자료 없음.

증기밀도:

자료 없음.

분해 온도 (°C):

자료 없음.

화재 및 폭발 위험에 관한 데이터

인화점 (°C):

자료 없음.

인화성 (°C):

자료 없음.

자연발화 온도 (°C):

자료 없음.

인화 또는 폭발 범위의 상한/하한 (% v/v):

자료 없음.

용해도

물 용해도:

완전히 용해 가능

분배계수 (LogKow):

자료 없음.

지방 용해도(g/L):

자료 없음.

9.2. 그 밖의 참고사항

기타 물리적 및 화학적 매개변수:

자료 없음.

산화성:

자료 없음.

10: 안정성 및 반응성

10.1. 반응성

자료 없음.

10.2. 화학적 안정성

이 제품은 '취급 및 저장방법' 섹션에 명시된 조건에서 안정적입니다.

10.3. 유해 반응의 가능성

알려진 바 없습니다.

10.4. 피해야 할 조건
알려진 바 없습니다.

10.5. 피해야 할 물질
강산, 강염기, 강력한산화제 및 강력한 환원제

10.6. 분해시 생성되는 유해물질
정상적인 보관 및 사용 조건에서 위험한 분해 산물이 생성되어서는 안 됩니다.

11: 독성에 관한 정보

11.1. 독성 영향에 관한 정보

급성 독성

제품/성분	hydrogen peroxide
생물종:	쥐
노출 경로:	경구
시험:	LD50
결과:	1.193 - 1.270 mg/L

제품/성분	hydrogen peroxide
생물종:	토끼
노출 경로:	피부
시험:	LD50
결과:	>2.000 (35% oplossing) mg/kg

제품/성분	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
생물종:	쥐
노출 경로:	경구
시험:	LD50
결과:	500 mg/kg

사용 가능한 데이터를 기준으로 할 때 분류 기준이 충족되지 않습니다.

자극성/부식성

제품/성분	hydrogen peroxide
결과:	관찰된 부작용 (자극적)

제품/성분	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
시험 방법:	OECD 404
결과:	관찰된 부작용 (자극적)

사용 가능한 데이터를 기준으로 할 때 분류 기준이 충족되지 않습니다.

심한 눈 손상/자극

제품/성분	hydrogen peroxide
결과:	관찰된 부작용 (눈에 심한 손상을 일으킴)

제품/성분	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
시험 방법:	OECD 405
결과:	관찰된 부작용 (눈에 심한 손상을 일으킴)

사용 가능한 데이터를 기준으로 할 때 분류 기준이 충족되지 않습니다.

호흡기 과민성

제품/성분	hydrogen peroxide
결과:	관찰된 부작용 없음 (민감하지 않음)

사용 가능한 데이터를 기준으로 할 때 분류 기준이 충족되지 않습니다.

피부 과민성

제품/성분	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
시험 방법:	OECD 429

화학물질의 분류, 표시 및 물질안전보건자료에 관한 기준, 제10조 따름

생물종: 쥐
결과: 관찰된 부작용 (민감성)

제품/성분: 1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
실험 방법: OECD 406
생물종: 기니 피그
결과: 관찰된 부작용 (민감성)

사용 가능한 데이터를 기준으로 할 때 분류 기준이 충족되지 않습니다.

생식 세포 변이원성

사용 가능한 데이터를 기준으로 할 때 분류 기준이 충족되지 않습니다.

발암성

제품/성분: hydrogen peroxide
결론: 관찰된 부작용 없음

사용 가능한 데이터를 기준으로 할 때 분류 기준이 충족되지 않습니다.
hydrogen peroxide : 물질은 IARC에 의해 그룹 3로 분류되었습니다.

생식 독성

제품/성분: hydrogen peroxide
결론: 관찰된 부작용 없음

사용 가능한 데이터를 기준으로 할 때 분류 기준이 충족되지 않습니다.

특정 표적장기 독성 (1회 노출)

사용 가능한 데이터를 기준으로 할 때 분류 기준이 충족되지 않습니다.

특정 표적장기 독성 (반복 노출)

사용 가능한 데이터를 기준으로 할 때 분류 기준이 충족되지 않습니다.

흡인 유해성

제품/성분: hydrogen peroxide
사용 가능한 데이터를 기준으로 할 때 분류 기준이 충족되지 않습니다.

만성 징후와 증상

알려진 바 없습니다.

12: 환경에 미치는 영향

12.1. 독성

제품/성분: hydrogen peroxide
생물종: 물고기, Pimephales promelas
기간: 96 시간
시험: LC50
결과: 16,4 mg/L

제품/성분: hydrogen peroxide
생물종: 물고기, Leuciscus idus
기간: 72 시간
시험: LC50
결과: 35 mg/L

제품/성분: hydrogen peroxide
생물종: 물고기, Oncorhynchus mykiss
기간: 7 일
시험: LC50
결과: 38,5 mg/L

제품/성분: hydrogen peroxide
생물종: Daphnia pulex
기간: 48 시간

화학물질의 분류, 표시 및 물질안전보건자료에 관한 기준, 제10조 따름

시험: EC50
결과: 2,4 mg/L

제품/성분: hydrogen peroxide
생물종: Daphnia magna
기간: 24 시간
시험: EC50
결과: 7,7 mg/L

제품/성분: hydrogen peroxide
생물종: Skeletonema costatum
기간: 72 시간
시험: EC50
결과: 1,38 mg/L

제품/성분: hydrogen peroxide
시험 방법: OECD 209
생물종: 박테리아
환경: 활성 슬러지 플랜트
기간: 30 minutes
시험: EC50
결과: 466 mg/L

제품/성분: hydrogen peroxide
시험 방법: OECD 209
생물종: 박테리아
환경: 활성 슬러지 플랜트
기간: 3 시간
시험: EC50
결과: > 1.000 mg/L

제품/성분: 1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
생물종: 물고기
기간: 96 시간
시험: LC50
결과: >0.1-1 mg/L

제품/성분: 1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
생물종: 갑각류
기간: 48 시간
시험: EC50
결과: >0.1-1 mg/L

제품/성분: 1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
생물종: 조류(藻類)
기간: 72 시간
시험: EC50
결과: >0.1-1 mg/L

사용 가능한 데이터를 기준으로 할 때 분류 기준이 충족되지 않습니다.

12.2. 잔류성 및 분해성

제품/성분: Alcohol, C13, bran., EO, sulfate Na~
결과: > 60 %
결론: 쉽게 생분해 가능
시험: OECD 301 B

제품/성분: hydrogen peroxide
결론: 쉽게 생분해 가능

제품/성분	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
결과:	90%
결론:	쉽게 생분해 가능
시험:	OECD 302

12.3. 생물 농축성

제품/성분	hydrogen peroxide
LogKow:	-1,57
결론:	-

제품/성분	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
BCF:	2
LogKow:	1.45
결론:	생물축적 가능성이 낮음

12.4. 토양 이동성

자료 없음.

12.5. PBT(잔류성, 생물농축성, 독성) 및 vPvB(고잔류성, 고생물농축성) 평가 결과

이 혼합물/제품에는 PBT 및/또는 vPvB로 분류되는 기준을 충족하는 것으로 여겨지는 물질이 포함되어 있지 않습니다.

12.6. 기타 유해 영향

알려진 바 없습니다.

13: 폐기시 주의사항

폐기물 처리 방법

제품에는 위험 폐기물에 대한 규정이 적용되지 않습니다.

특정 라벨링

포장

제품의 잔류물이 포함된 포장은 제품과 유사하게 폐기해야 합니다.

14: 운송에 필요한 정보

	14.1 UN번호	14.2 적정 선적명	14.3 범주	14.4 PG*	14.5 Env**	그 밖의 참고 사항:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* 포장 그룹

** 환경 유해성

추가 정보

ADR, IATA 및 IMDG에 따른 위험물이 아닙니다.

14.6. 사용자가 운송 또는 운송 수단에 관련해 알 필요가 있거나 필요한 특별한 안전 대책 해당사항 없음.

14.7. MARPOL 부록 II 및 IBC 코드에 따른 벌크 운송 자료 없음.

15: 법적 규제현황

15.1. 물질 또는 혼합물에 관련된 안전, 보건 및 환경 규정/법률

▼적용에 대한 제한:

전문 사용자 전용.

특정 교육에 대한 요구:

특정한 요구 사항 없음.

추가 정보:

해당사항 없음.

중점관리물질:

구성 성분이 나와있지 않습니다

KECI:

Alcohol, C13, bran., EO, sulfate Na~ 가 나열되어 있습니다.

hydrogen peroxide 가 나열되어 있습니다.

1,2-benzisothiazol-3(2H)-one, 1,2-benzisothiazolin-3-one 가 나열되어 있습니다.

출처:

중점관리물질: 환경부 고시 제2022-79호

화학물질의 분류·표시 및 물질안전보건자료에 관한 기준 (고용노동부고시 제2023-9호)

15.2. 화학 물질 안전성 평가

아니오

16: 그 밖의 참고사항

섹션 3에 언급된 H-문구 전문

H271, 화재 또는 폭발을 일으킬 수 있음: 강산화제.

H302, 삼키면 유해함.

H314, 피부에 심한 화상과 눈 손상을 일으킴.

H315, 피부에 자극을 일으킴.

H318, 눈에 심한 손상을 일으킴.

H319, 눈에 심한 자극을 일으킴.

H332, 흡입하면 유해함.

H336, 졸음 또는 현기증을 일으킬 수 있음.

H412, 장기적인 영향에 의해 수생생물에게 유해함.

섹션 1에 언급된 식별된 사용의 전문

알려진 바 없습니다.

약어 및 두문자어

ADN = 내륙 수로에 의한 위험물 국제 운송에 관한 유럽 규정

ADR = 위험물 국제 도로 운송에 관한 유럽 협약

ATE = 급성 독성 추정

BCF = 생물농축 계수

CAS = 화학논문 초록 서비스

EINECS = 유럽 기존 상용 화학 물질 목록

GHS = 화학물질 분류 표시 국제조화시스템

IARC = 국제암연구기관

IATA = 국제항공운송 협회

IMDG = 국제해상위험물

KECI = 한국 기준 화학 물질 목록

LogPow = 옥탄올/물 분배 계수의 로그

MARPOL = 1978년 의정서에 의해 수정된 1973년 해양오염방지협약 ("Marpol" = 해양 오염)

MoE = 환경부공고

OECD = 경제협력개발기구

PBT = 잔류성, 생물농축성, 독성

RID = 위험물 국제 철도 운송에 관한 규정

RRN = REACH 등록 번호

SCL = 에는 특정 농도 한계(SCL)가 있습니다.

STEL = 단기 노출 한도

화학물질의 분류, 표시 및 물질안전보건자료에 관한 기준, 제10조 따름

STOT-RE = 특정 대상 장기 독성-반복 노출

STOT-SE = 특정 대상 장기 독성-단일 노출

TWA = 시간 가중 평균

UN = 국제연합

VOC = 휘발성 유기 화합물

vPvB = 고잔류성, 고생물농축성

추가 정보

해당사항 없음.

물질 안전 보건자료가 다음에 의해 확인됨

Quality & Compliance

그 밖의 참고사항

변경(마지막 필수 변경에 비례(SDS 버전의 첫 번째 암호, 섹션 1 참조))은 파란색 삼각형으로 표시됩니다.

이 물질 안전 보건자료의 정보는 이 특정 제품(섹션 1 참조)에만 적용되며 다른 화학물질/제품과 함께 사용하면 정확하지 않을 수 있습니다

이 물질 안전 보건자료는 실제 제품 사용자에게 전달하시길 권장합니다. 이 물질 안전 보건자료의 정보는 제품 사양으로 사용될 수 없습니다.

국가 언어 : KR-ko

SAFETY DATA SHEET

i.1 all-purpose cleaner FlexDose

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

SDS created for KUWAIT according to GHS

1.1. Product identifier

▼ *Trade name:*

i.1 all-purpose cleaner FlexDose

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses of the substance or mixture:

Washing and cleaning products (including solvent based products)

Restricted to professional users.

Uses advised against :

None known.

1.3. Details of the supplier of the safety data sheet

Company and address:

Hygeniq B.V.

Postbus 618

7500 AP Enschede

The Netherlands

+31 53 4282860

+31 53 5393865

www.hygeniq.com

E-mail:

info@hygeniq.com

SDS date:

27/06/2025

SDS Version:

2.0

Date of previous version:

02/06/2025 (1.0)

1.4. Emergency telephone number

Contact the local emergency services.

See section 4 "First aid measures".

SECTION 2: HAZARDS IDENTIFICATION

Classified according to GHS.

2.1. Classification of the substance or mixture

Skin Irrit. 3; H316, Causes mild skin irritation

2.2. Label elements

Hazard pictogram(s):

Not applicable.

Signal word:

Warning

Hazard statement(s):

Causes mild skin irritation (H316)

Precautionary statement(s):

General:

-

Prevention:

-

Response:

If skin irritation occurs: Get medical advice/attention. (P332+P313)

Storage:

-

Disposal:

-

Hazardous substances:

Does not contain any substances required to report

Additional labelling:

Not applicable.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable. This product is a mixture.

3.2. Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
Alcohol, C13, bran., EO, sulfate Na~	CAS No.: 150413-26-6 EC No.: 688-316-0	1-3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 3, H412	
hydrogen peroxide	CAS No.: 7722-84-1 EC No.: 231-765-0	1-3%	Ox. Liq. 1, H271 Acute Tox. 4, H302 Skin Corr. 1A, H314 (SCL: 70.00 %) Skin Corr. 1B, H314 (SCL: 50.00 %) Skin Irrit. 2, H315 (SCL: 35.00 %) Eye Dam. 1, H318 (SCL: 8.00 %) Eye Irrit. 2, H319 (SCL: 5.00 %) Acute Tox. 4, H332 STOT SE 3, H336 (SCL: 35.00 %)	
citroenzuurmonohydraat	CAS No.: 5949-29-1 EC No.: 611-842-9	<0.1%	Eye Irrit. 2, H319	

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information

-

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General information:

In the case of accident: Contact a doctor or casualty department – bring the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

Inhalation:

Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

Skin contact:

Remove contaminated clothing and shoes immediately. Ensure to wash exposed skin thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or thinners.

Eye contact:

If in eyes: Flush eyes with water or saline water (20-30 °C) for at least 5 minutes. Remove contact lenses. Seek medical assistance and continue flushing during transport.

Ingestion:

If the person is conscious, rinse the mouth with water and stay with the person. Never give the person anything to drink.

In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the person lean forward with head down to avoid inhalation of or choking on vomited material.

Burns:

Not applicable.

4.2. Most important symptoms and effects, both acute and delayed

None known.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

Information to medics

Bring this safety data sheet or the label from this product.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Not applicable.

5.2. Special hazards arising from the substance or mixture

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

Carbon oxides (CO / CO₂)

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact the national poisons emergency services in order to obtain further advice.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Contaminated areas may be slippery.

6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.

Keep unauthorized persons away from the spill

6.3. Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.
Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections

See section 13 "Disposal considerations" on handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Smoking, drinking and consumption of food is not allowed in the work area.

See section 8 "Exposure controls/personal protection" for information on personal protection.

7.2. Conditions for safe storage, including any incompatibilities

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Recommended storage material:

Keep only in original packaging.

Storage conditions:

Dry, cool and well ventilated

Incompatible materials:

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

No substances are listed with an occupational exposure limit.

8.2. Exposure controls

Apply general control to prevent unnecessary exposure

General recommendations:

Smoking, drinking and consumption of food is not allowed in the work area.

Exposure scenarios:

There are no exposure scenarios implemented for this product.

Exposure limits:

Occupational exposure limits have not been defined for the substances in this product.

Appropriate technical measures:

Apply standard precautions during use of the product. Avoid inhalation of vapours.

Hygiene measures:

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Pay special attention to hands, forearms and face.

Measures to avoid environmental exposure:

No specific requirements.

Individual protection measures, such as personal protective equipment

Generally:

Use only CE marked protective equipment.

Respiratory Equipment:

Type	Class	Colour	Standards	
No special when used as intended.				

Skin protection:

Recommended	Type/Category	Standards	
No special when used as intended.	-	-	

Hand protection:

Work situation	Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
	No special when used as intended	-	-	-	
In the event of prolonged exposure or high concentrations	Cotton/Latex	-	> 120	EN374-2, EN16523-1, EN388	

Eye protection:

Work situation	Type	Standards	
	No special when used as intended.	-	
In the event of prolonged exposure or high concentrations	Safety glasses with side shields.	EN166	

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Form:

Liquid

Colour:

Colourless

Odour:

Of perfume

Odour threshold (ppm):

No data available.

pH:

ca. 4.8

Density (g/cm³):

1.02 (20 °C)

Kinematic viscosity:

No data available.

Particle characteristics:

Does not apply to liquids.

Phase changes

Melting point/Freezing point (°C):

No data available.

Softening point/range (°C):

Does not apply to liquids.

Boiling point (°C):

No data available.

Vapour pressure:

No data available.

Relative vapour density:

No data available.

Decomposition temperature (°C):

No data available.

Evaporation rate (n-butylacetate = 100):

Data on fire and explosion hazards

Flash point (°C):

No data available.

Flammability (°C):

No data available.

Auto-ignition temperature (°C):

No data available.

Explosion limits (% v/v):

No data available.

Solubility

Solubility in water:

Completely soluble

n-octanol/water coefficient (LogKow):

No data available.

Solubility in fat (g/L):

No data available.

9.2. Other information

No data available.

Other physical and chemical parameters:

No data available.

Oxidizing properties:

No data available.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

10.2. Chemical stability

The product is stable under the conditions, noted in section 7 "Handling and storage".

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity

Product/substance	hydrogen peroxide
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	1.193 - 1.270 mg/L

According to GHS Rev. 8, 2019

Product/substance	hydrogen peroxide
Species:	Rabbit
Route of exposure:	Dermal
Test:	LD50
Result:	>2.000 (35% oplossing) mg/kg

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	500 mg/kg

Based on available data, the classification criteria are not met.

Skin corrosion/irritation

Product/substance	hydrogen peroxide
Result:	Adverse effect observed (Irritating)

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Test method:	OECD 404
Result:	Adverse effect observed (Irritating)

Based on available data, the classification criteria are not met.

Serious eye damage/irritation

Product/substance	hydrogen peroxide
Result:	Adverse effect observed (Causes serious eye damage)

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Test method:	OECD 405
Result:	Adverse effect observed (Causes serious eye damage)

Based on available data, the classification criteria are not met.

Respiratory sensitisation

Product/substance	hydrogen peroxide
Result:	No adverse effect observed (not sensitising)

Based on available data, the classification criteria are not met.

Skin sensitisation

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Test method:	OECD 429
Species:	Mouse
Result:	Adverse effect observed (sensitising)

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Test method:	OECD 406
Species:	Guinea pig
Result:	Adverse effect observed (sensitising)

Based on available data, the classification criteria are not met.

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Product/substance	hydrogen peroxide
Conclusion:	No adverse effect observed

Based on available data, the classification criteria are not met.

hydrogen peroxide has been classified by IARC as a group 3 carcinogen.

Reproductive toxicity

Product/substance	hydrogen peroxide
Conclusion:	No adverse effect observed

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Product/substance hydrogen peroxide

Based on available data, the classification criteria are not met.

Long term effects

None known.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Product/substance	hydrogen peroxide
Species:	Fish, Pimephales promelas
Duration:	96 hours
Test:	LC50
Result:	16,4 mg/L

Product/substance	hydrogen peroxide
Species:	Fish, Leuciscus idus
Duration:	72 hours
Test:	LC50
Result:	35 mg/L

Product/substance	hydrogen peroxide
Species:	Fish, Oncorhynchus mykiss
Duration:	7 days
Test:	LC50
Result:	38,5 mg/L

Product/substance	hydrogen peroxide
Species:	Daphnia pulex
Duration:	48 hours
Test:	EC50
Result:	2,4 mg/L

Product/substance	hydrogen peroxide
Species:	Daphnia magna
Duration:	24 hours
Test:	EC50
Result:	7,7 mg/L

Product/substance	hydrogen peroxide
Species:	Skeletonema costatum
Duration:	72 hours
Test:	EC50
Result:	1,38 mg/L

Product/substance	hydrogen peroxide
Test method:	OECD 209
Species:	Bacteria
Compartment:	Activated Sludge Plant
Duration:	30 minutes
Test:	EC50
Result:	466 mg/L

According to GHS Rev. 8, 2019

Product/substance	hydrogen peroxide
Test method:	OECD 209
Species:	Bacteria
Compartment:	Activated Sludge Plant
Duration:	3 hours
Test:	EC50
Result:	> 1.000 mg/L
Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Species:	Fish
Duration:	96 hours
Test:	LC50
Result:	>0.1-1 mg/L
Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Species:	Crustacean
Duration:	48 hours
Test:	EC50
Result:	>0.1-1 mg/L
Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Species:	Algae
Duration:	72 hours
Test:	EC50
Result:	>0.1-1 mg/L

Based on available data, the classification criteria are not met.

12.2. Persistence and degradability

Product/substance	Alcohol, C13, bran., EO, sulfate Na~
Result:	> 60 %
Conclusion:	Readily biodegradable
Test:	OECD 301 B
Product/substance	hydrogen peroxide
Conclusion:	Readily biodegradable
Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Result:	90%
Conclusion:	Readily biodegradable
Test:	OECD 302

12.3. Bioaccumulative potential

Product/substance	hydrogen peroxide
LogKow:	-1,57
Conclusion:	-
Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
BCF:	2
LogKow:	1.45
Conclusion:	Potential for bioaccumulation is low

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

12.6. Other adverse effects

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

Dispose of contents/container to an approved waste disposal plant.

Specific labelling

Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: TRANSPORT INFORMATION

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Packing group

** Environmental hazards

Additional information

Not dangerous goods according to ADR, IATA and IMDG.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

No data available.

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Restrictions for application:

Restricted to professional users.

Demands for specific education:

No specific requirements.

Additional information:

Not applicable.

Sources:

Globally Harmonized System of Classification and Labelling of Chemicals (GHS Rev. 8, 2019)

15.2. Chemical safety assessment

No

SECTION 16: OTHER INFORMATION

Full text of H-phrases as mentioned in section 3

H271, May cause fire or explosion; strong oxidiser.

H302, Harmful if swallowed.

H314, Causes severe skin burns and eye damage.

H315, Causes skin irritation.

H318, Causes serious eye damage.

H319, Causes serious eye irritation.
H332, Harmful if inhaled.
H336, May cause drowsiness or dizziness.
H412, Harmful to aquatic life with long lasting effects.

The full text of identified uses as mentioned in section 1

None known.

Abbreviations and acronyms

ACGIH = American Conference of Governmental Industrial Hygienists
ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway
ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
CAS = Chemical Abstracts Service
CERCLA = Comprehensive Environmental Response Compensation and Liability Act
DOT = Department of Transportation
EINECS = European Inventory of Existing Commercial chemical Substances
EPCRA = Emergency Planning and Community Right-To-Know Act
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
HCIS = Hazardous Chemical Information System
HNOC = Hazards Not Otherwise Classified
IARC = International Agency for Research on Cancer
IATA = International Air Transport Association
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
NFPA = National Fire Protection Association
NIOSH = National Institute for Occupational Safety and Health
OECD = Organisation for Economic Co-operation and Development
OSHA = Occupational Safety and Health Administration
PBT = Persistent, Bioaccumulative and Toxic
RCRA = Resource Conservation and Recovery Act
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
RRN = REACH Registration Number
SARA = Superfund Amendments and Reauthorization Act
SCL = A specific concentration limit.
STEL = Short-term exposure limits
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
STOT-SE = Specific Target Organ Toxicity - Single Exposure
TSCA = The Toxic Substances Control Act
TWA = Time weighted average
UN = United Nations
UVBC = Unknown or variable composition, complex reaction products or of biological materials
VOC = Volatile Organic Compound
vPvB = Very Persistent and Very Bioaccumulative

Additional information

Not applicable.

The safety data sheet is validated by

Quality & Compliance

Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

Country-language: KW-en

SAFETY DATA SHEET

i.1 all-purpose cleaner FlexDose

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

SDS created for the REPUBLIC OF NORTH MACEDONIA according to GHS

1.1. Product identifier

▼ *Trade name:*

i.1 all-purpose cleaner FlexDose

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses of the substance or mixture:

Washing and cleaning products (including solvent based products)

Restricted to professional users.

Uses advised against :

None known.

1.3. Details of the supplier of the safety data sheet

Company and address:

Hygeniq B.V.

Postbus 618

7500 AP Enschede

The Netherlands

+31 53 4282860

+31 53 5393865

www.hygeniq.com

E-mail:

info@hygeniq.com

SDS date:

27/06/2025

SDS Version:

2.0

Date of previous version:

02/06/2025 (1.0)

1.4. Emergency telephone number

Contact the local emergency services.

See section 4 "First aid measures".

SECTION 2: HAZARDS IDENTIFICATION

Classified according to GHS.

2.1. Classification of the substance or mixture

Skin Irrit. 3; H316, Causes mild skin irritation

2.2. Label elements

Hazard pictogram(s):

Not applicable.

Signal word:

Warning

Hazard statement(s):

Causes mild skin irritation (H316)

Precautionary statement(s):

General:

-

Prevention:

-

Response:

If skin irritation occurs: Get medical advice/attention. (P332+P313)

Storage:

-

Disposal:

-

Hazardous substances:

Does not contain any substances required to report

Additional labelling:

Not applicable.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable. This product is a mixture.

3.2. Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
Alcohol, C13, bran., EO, sulfate Na~	CAS No.: 150413-26-6 EC No.: 688-316-0	1-3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 3, H412	
hydrogen peroxide	CAS No.: 7722-84-1 EC No.: 231-765-0	1-3%	Ox. Liq. 1, H271 Acute Tox. 4, H302 Skin Corr. 1A, H314 (SCL: 70.00 %) Skin Corr. 1B, H314 (SCL: 50.00 %) Skin Irrit. 2, H315 (SCL: 35.00 %) Eye Dam. 1, H318 (SCL: 8.00 %) Eye Irrit. 2, H319 (SCL: 5.00 %) Acute Tox. 4, H332 STOT SE 3, H336 (SCL: 35.00 %)	
citroenzuurmonohydraat	CAS No.: 5949-29-1 EC No.: 611-842-9	<0.1%	Eye Irrit. 2, H319	

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information

-

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General information:

In the case of accident: Contact a doctor or casualty department – bring the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

Inhalation:

Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

Skin contact:

Remove contaminated clothing and shoes immediately. Ensure to wash exposed skin thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or thinners.

Eye contact:

If in eyes: Flush eyes with water or saline water (20-30 °C) for at least 5 minutes. Remove contact lenses. Seek medical assistance and continue flushing during transport.

Ingestion:

If the person is conscious, rinse the mouth with water and stay with the person. Never give the person anything to drink.

In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the person lean forward with head down to avoid inhalation of or choking on vomited material.

Burns:

Not applicable.

4.2. Most important symptoms and effects, both acute and delayed

None known.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

Information to medics

Bring this safety data sheet or the label from this product.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Not applicable.

5.2. Special hazards arising from the substance or mixture

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

Carbon oxides (CO / CO₂)

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact the national poisons emergency services in order to obtain further advice.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Contaminated areas may be slippery.

6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.

Keep unauthorized persons away from the spill

6.3. Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.
Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections

See section 13 "Disposal considerations" on handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Smoking, drinking and consumption of food is not allowed in the work area.

See section 8 "Exposure controls/personal protection" for information on personal protection.

7.2. Conditions for safe storage, including any incompatibilities

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Recommended storage material:

Keep only in original packaging.

Storage conditions:

Dry, cool and well ventilated

Incompatible materials:

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

No substances are listed with an occupational exposure limit.

8.2. Exposure controls

Apply general control to prevent unnecessary exposure

General recommendations:

Smoking, drinking and consumption of food is not allowed in the work area.

Exposure scenarios:

There are no exposure scenarios implemented for this product.

Exposure limits:

Occupational exposure limits have not been defined for the substances in this product.

Appropriate technical measures:

Apply standard precautions during use of the product. Avoid inhalation of vapours.

Hygiene measures:

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Pay special attention to hands, forearms and face.

Measures to avoid environmental exposure:

No specific requirements.

Individual protection measures, such as personal protective equipment

Generally:

Use only CE marked protective equipment.

Respiratory Equipment:

Type	Class	Colour	Standards	
No special when used as intended.				

Skin protection:

Recommended	Type/Category	Standards	
No special when used as intended.	-	-	

Hand protection:

Work situation	Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
	No special when used as intended	-	-	-	
In the event of prolonged exposure or high concentrations	Cotton/Latex	-	> 120	EN374-2, EN16523-1, EN388	

Eye protection:

Work situation	Type	Standards	
	No special when used as intended.	-	
In the event of prolonged exposure or high concentrations	Safety glasses with side shields.	EN166	

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Form:

Liquid

Colour:

Colourless

Odour:

Of perfume

Odour threshold (ppm):

No data available.

pH:

ca. 4.8

Density (g/cm³):

1.02 (20 °C)

Kinematic viscosity:

No data available.

Particle characteristics:

Does not apply to liquids.

Phase changes

Melting point/Freezing point (°C):

No data available.

Softening point/range (°C):

Does not apply to liquids.

Boiling point (°C):

No data available.

Vapour pressure:

No data available.

Relative vapour density:

No data available.

Decomposition temperature (°C):

No data available.

Evaporation rate (n-butylacetate = 100):

Data on fire and explosion hazards

Flash point (°C):

No data available.

Flammability (°C):

No data available.

Auto-ignition temperature (°C):

No data available.

Explosion limits (% v/v):

No data available.

Solubility

Solubility in water:

Completely soluble

n-octanol/water coefficient (LogKow):

No data available.

Solubility in fat (g/L):

No data available.

9.2. Other information

No data available.

Other physical and chemical parameters:

No data available.

Oxidizing properties:

No data available.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

10.2. Chemical stability

The product is stable under the conditions, noted in section 7 "Handling and storage".

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity

Product/substance	hydrogen peroxide
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	1.193 - 1.270 mg/L

According to GHS Rev. 8, 2019

Product/substance	hydrogen peroxide
Species:	Rabbit
Route of exposure:	Dermal
Test:	LD50
Result:	>2.000 (35% oplossing) mg/kg

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	500 mg/kg

Based on available data, the classification criteria are not met.

Skin corrosion/irritation

Product/substance	hydrogen peroxide
Result:	Adverse effect observed (Irritating)

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Test method:	OECD 404
Result:	Adverse effect observed (Irritating)

Based on available data, the classification criteria are not met.

Serious eye damage/irritation

Product/substance	hydrogen peroxide
Result:	Adverse effect observed (Causes serious eye damage)

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Test method:	OECD 405
Result:	Adverse effect observed (Causes serious eye damage)

Based on available data, the classification criteria are not met.

Respiratory sensitisation

Product/substance	hydrogen peroxide
Result:	No adverse effect observed (not sensitising)

Based on available data, the classification criteria are not met.

Skin sensitisation

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Test method:	OECD 429
Species:	Mouse
Result:	Adverse effect observed (sensitising)

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Test method:	OECD 406
Species:	Guinea pig
Result:	Adverse effect observed (sensitising)

Based on available data, the classification criteria are not met.

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Product/substance	hydrogen peroxide
Conclusion:	No adverse effect observed

Based on available data, the classification criteria are not met.

hydrogen peroxide has been classified by IARC as a group 3 carcinogen.

Reproductive toxicity

Product/substance	hydrogen peroxide
Conclusion:	No adverse effect observed

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Product/substance hydrogen peroxide

Based on available data, the classification criteria are not met.

Long term effects

None known.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Product/substance	hydrogen peroxide
Species:	Fish, Pimephales promelas
Duration:	96 hours
Test:	LC50
Result:	16,4 mg/L

Product/substance	hydrogen peroxide
Species:	Fish, Leuciscus idus
Duration:	72 hours
Test:	LC50
Result:	35 mg/L

Product/substance	hydrogen peroxide
Species:	Fish, Oncorhynchus mykiss
Duration:	7 days
Test:	LC50
Result:	38,5 mg/L

Product/substance	hydrogen peroxide
Species:	Daphnia pulex
Duration:	48 hours
Test:	EC50
Result:	2,4 mg/L

Product/substance	hydrogen peroxide
Species:	Daphnia magna
Duration:	24 hours
Test:	EC50
Result:	7,7 mg/L

Product/substance	hydrogen peroxide
Species:	Skeletonema costatum
Duration:	72 hours
Test:	EC50
Result:	1,38 mg/L

Product/substance	hydrogen peroxide
Test method:	OECD 209
Species:	Bacteria
Compartment:	Activated Sludge Plant
Duration:	30 minutes
Test:	EC50
Result:	466 mg/L

According to GHS Rev. 8, 2019

Product/substance	hydrogen peroxide
Test method:	OECD 209
Species:	Bacteria
Compartment:	Activated Sludge Plant
Duration:	3 hours
Test:	EC50
Result:	> 1.000 mg/L
Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Species:	Fish
Duration:	96 hours
Test:	LC50
Result:	>0.1-1 mg/L
Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Species:	Crustacean
Duration:	48 hours
Test:	EC50
Result:	>0.1-1 mg/L
Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Species:	Algae
Duration:	72 hours
Test:	EC50
Result:	>0.1-1 mg/L

Based on available data, the classification criteria are not met.

12.2. Persistence and degradability

Product/substance	Alcohol, C13, bran., EO, sulfate Na~
Result:	> 60 %
Conclusion:	Readily biodegradable
Test:	OECD 301 B

Product/substance	hydrogen peroxide
Conclusion:	Readily biodegradable

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Result:	90%
Conclusion:	Readily biodegradable
Test:	OECD 302

12.3. Bioaccumulative potential

Product/substance	hydrogen peroxide
LogKow:	-1,57
Conclusion:	-

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
BCF:	2
LogKow:	1.45
Conclusion:	Potential for bioaccumulation is low

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

12.6. Other adverse effects

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

Dispose of contents/container to an approved waste disposal plant.

Specific labelling

Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: TRANSPORT INFORMATION

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Packing group

** Environmental hazards

Additional information

Not dangerous goods according to ADR, IATA and IMDG.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

No data available.

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Restrictions for application:

Restricted to professional users.

Demands for specific education:

No specific requirements.

Additional information:

Not applicable.

Sources:

Globally Harmonized System of Classification and Labelling of Chemicals (GHS Rev. 8, 2019)

15.2. Chemical safety assessment

No

SECTION 16: OTHER INFORMATION

Full text of H-phrases as mentioned in section 3

H271, May cause fire or explosion; strong oxidiser.

H302, Harmful if swallowed.

H314, Causes severe skin burns and eye damage.

H315, Causes skin irritation.

H318, Causes serious eye damage.

H319, Causes serious eye irritation.
H332, Harmful if inhaled.
H336, May cause drowsiness or dizziness.
H412, Harmful to aquatic life with long lasting effects.

The full text of identified uses as mentioned in section 1

None known.

Abbreviations and acronyms

ACGIH = American Conference of Governmental Industrial Hygienists
ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway
ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
CAS = Chemical Abstracts Service
CERCLA = Comprehensive Environmental Response Compensation and Liability Act
DOT = Department of Transportation
EINECS = European Inventory of Existing Commercial chemical Substances
EPCRA = Emergency Planning and Community Right-To-Know Act
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
HCIS = Hazardous Chemical Information System
HNOC = Hazards Not Otherwise Classified
IARC = International Agency for Research on Cancer
IATA = International Air Transport Association
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
NFPA = National Fire Protection Association
NIOSH = National Institute for Occupational Safety and Health
OECD = Organisation for Economic Co-operation and Development
OSHA = Occupational Safety and Health Administration
PBT = Persistent, Bioaccumulative and Toxic
RCRA = Resource Conservation and Recovery Act
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
RRN = REACH Registration Number
SARA = Superfund Amendments and Reauthorization Act
SCL = A specific concentration limit.
STEL = Short-term exposure limits
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
STOT-SE = Specific Target Organ Toxicity - Single Exposure
TSCA = The Toxic Substances Control Act
TWA = Time weighted average
UN = United Nations
UVBC = Unknown or variable composition, complex reaction products or of biological materials
VOC = Volatile Organic Compound
vPvB = Very Persistent and Very Bioaccumulative

Additional information

Not applicable.

The safety data sheet is validated by

Quality & Compliance

Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

Country-language: MK-en

SAFETY DATA SHEET

i.1 all-purpose cleaner FlexDose

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

▼ *Trade name:*

i.1 all-purpose cleaner FlexDose

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses of the substance or mixture:

Washing and cleaning products (including solvent based products)
Restricted to professional users.

Uses advised against :

None known.

1.3. Details of the supplier of the safety data sheet

Company and address:

Hygeniq B.V.
Postbus 618
7500 AP Enschede
The Netherlands
+31 53 4282860
+31 53 5393865
www.hygeniq.com

E-mail:

info@hygeniq.com

Revision:

27/06/2025

SDS Version:

2.0

Date of previous version:

02/06/2025 (1.0)

1.4. Emergency telephone number

Emergency: 112 (24h service)
Hospital Malta Mater Dei, Medicines & Poisons information office: +356 2545 6508
See also section 4 "First aid measures".

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Not classified according to Regulation (EC) No. 1272/2008 (CLP).

2.2. Label elements

Hazard pictogram(s):

Not applicable.

Signal word:

Not applicable.

Hazard statement(s):

Not applicable.

Precautionary statement(s):

General:

-

Prevention:

-

Response:

-

Storage:

-

Disposal:

-

Hazardous substances:

Does not contain any substances required to report

Additional labelling:

EUH210, Safety data sheet available on request.

Labelling of contents according to Detergents Regulation (EC) No 648/2004 (applicable to packaging of detergents sold to the general public):

>5% - <15%

· Non-ionic surfactants

< 5%

· Anionic surfactants

· Oxygen-based bleaching Agents

· Perfumes

· Preservation agent (BENZISOTHIAZOLINONE)

2.3. Other hazards

Additional warnings:

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2023/707.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable. This product is a mixture.

3.2. Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
Alcohol, C13, bran., EO, sulfate Na~	CAS No.: 150413-26-6 EC No.: 688-316-0 REACH: Index No.:	1-3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 3, H412	
hydrogen peroxide	CAS No.: 7722-84-1 EC No.: 231-765-0 REACH: 01-2119485845-22-XXXX Index No.: 008-003-00-9	1-3%	Ox. Liq. 1, H271 Acute Tox. 4, H302 Skin Corr. 1A, H314 (SCL: 70.00 %) Skin Corr. 1B, H314 (SCL: 50.00 %) Skin Irrit. 2, H315 (SCL: 35.00 %) Eye Dam. 1, H318 (SCL: 8.00 %) Eye Irrit. 2, H319 (SCL: 5.00 %)	

			Acute Tox. 4, H332 STOT SE 3, H336 (SCL: 35.00 %)	
citroenzuurmonohydraat	CAS No.: 5949-29-1 EC No.: 611-842-9 REACH: 01-2119457026-42-XXXX Index No.:	<0.1%	Eye Irrit. 2, H319	
Disodium tin hexahydroxide	CAS No.: 12027-70-2 EC No.: 234-724-5 REACH: 01-2120770924-45-XXXX Index No.:	<0.05%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	[1]

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information

[1] European occupational exposure limit.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General information:

In the case of accident: Contact a doctor or casualty department – bring the label or this safety data sheet. The doctor can contact Hospital Malta Mater Dei, Medicines & Poisons information office: +356 2545 6508
Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

Inhalation:

Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

Skin contact:

Upon irritation: rinse with water. In the event of continued irritation, seek medical assistance.

Eye contact:

If in eyes: Flush eyes with water or saline water (20-30 °C) for at least 5 minutes. Remove contact lenses. Seek medical assistance and continue flushing during transport.

Ingestion:

If the person is conscious, rinse the mouth with water and stay with the person. Never give the person anything to drink.
In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the person lean forward with head down to avoid inhalation of or choking on vomited material.

Burns:

Not applicable.

4.2. Most important symptoms and effects, both acute and delayed

None known.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

Information to medics

Bring this safety data sheet or the label from this product.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Not applicable.

5.2. Special hazards arising from the substance or mixture

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

Carbon oxides (CO / CO₂)

5.3. Advice for firefighters

No specific requirements.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation, especially in confined areas.

Contaminated areas may be slippery.

6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.

Keep unauthorized persons away from the spill

6.3. Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections

See section 13 "Disposal considerations" on handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Smoking, drinking and consumption of food is not allowed in the work area.

See section 8 "Exposure controls/personal protection" for information on personal protection.

7.2. Conditions for safe storage, including any incompatibilities

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Recommended storage material:

Keep only in original packaging.

Storage conditions:

Dry, cool and well ventilated

Incompatible materials:

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Disodium tin hexahydroxide

Long term exposure limit (8 hours) (mg/m³): 2 (as Sn)

Protection Of The Health And Safety Of Workers From The Risks Related To Chemical Agents At Work Regulations, 5th September 2003 (Subsidiary Legislation 424.24)

DNEL

1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	0.345 mg/kg
Long term – Systemic effects - Workers	Dermal	966 µg/kg bw/day
Long term – Systemic effects - General population	Inhalation	1.2 mg/m ³
Long term – Systemic effects - Workers	Inhalation	6.81 mg/m ³

Disodium tin hexahydroxide

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	1.21 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	3.37 mg/kg bw/day
Long term – Systemic effects - General population	Inhalation	1.78 mg/m ³
Long term – Systemic effects - Workers	Inhalation	11.9 mg/m ³
Long term – Systemic effects - General population	Oral	1.21 mg/kg bw/day

hydrogen peroxide

Duration:	Route of exposure:	DNEL:
Long term – Local effects - General population	Inhalation	0,21 mg/m ³
Long term – Local effects - General population	Inhalation	210 µg/m ³
Long term – Local effects - Workers	Inhalation	1.4 mg/m ³
Short term – Local effects - General population	Inhalation	1.93 mg/m ³
Short term – Local effects - Workers	Inhalation	3 mg/m ³

PNEC

1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		4.03 µg/L
Freshwater sediment		49.9 µg/kg
Intermittent release (freshwater)		1.1 µg/L
Intermittent release (marine water)		110 ng/L
Marine water		403 ng/L
Marine water sediment		4.99 µg/kg
Sewage treatment plant		1.03 mg/L
Soil		3 mg/kg

Disodium tin hexahydroxide

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		33.1 µg/L
Freshwater sediment		1.395 mg/kg
Intermittent release (freshwater)		331 µg/L
Intermittent release (marine water)		33.1 µg/L
Marine water		3.31 µg/L
Marine water sediment		139.46 µg/kg
Sewage treatment plant		10 mg/L

hydrogen peroxide

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		0,0126 mg/L
Freshwater		12.6 µg/L
Freshwater sediment		0,047 mg/kg
Freshwater sediment		47 µg/kg
Intermittent release (freshwater)		13.8 µg/L
Marine water		0,047 mg/L
Marine water		12.6 µg/L
Marine water sediment		0,047 mg/L
Marine water sediment		47 µg/kg
Sewage treatment plant		4.66 mg/L
Sewage treatment plant		4.66 mg/L
Soil		0,023 mg/kg
Soil		2.3 µg/kg

8.2. Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

General recommendations:

Smoking, drinking and consumption of food is not allowed in the work area.

Exposure scenarios:

There are no exposure scenarios implemented for this product.

Exposure limits:

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

Appropriate technical measures:

The formation of vapours must be kept at a minimum and below current limit values (see above). Installation of a local exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure eyewash and emergency showers are clearly marked.

Apply standard precautions during use of the product. Avoid inhalation of vapours.

Hygiene measures:

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Pay special attention to hands, forearms and face.

Measures to avoid environmental exposure:

No specific requirements.

Individual protection measures, such as personal protective equipment

Generally:

Use only CE marked protective equipment.

Respiratory Equipment:

Type	Class	Colour	Standards	
No special when used as intended.				

Skin protection:

Recommended	Type/Category	Standards	
No special when used as intended.	-	-	

Hand protection:

Work situation	Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
	No special when used as intended	-	-	-	
In the event of prolonged exposure or high concentrations	Cotton/Latex	-	> 120	EN374-2, EN16523-1, EN388	

Eye protection:

Work situation	Type	Standards	
	No special when used as intended.	-	
In the event of prolonged exposure or high concentrations	Safety glasses with side shields.	EN166	

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state:

Liquid

Colour:

Colourless

Odour / Odour threshold:

Of perfume

pH:

ca. 4.8

Density (g/cm³):

1.02 (20 °C)

Kinematic viscosity:

No data available.

Particle characteristics:

Does not apply to liquids.

Phase changes

Melting point/Freezing point (°C):

No data available.

Softening point/range (°C):

Does not apply to liquids.

Boiling point (°C):

No data available.

Vapour pressure:

No data available.

Relative vapour density:

No data available.

Decomposition temperature (°C):

No data available.

Data on fire and explosion hazards

Flash point (°C):

No data available.

Flammability (°C):

No data available.

Auto-ignition temperature (°C):

No data available.

Lower and upper explosion limit (% v/v):

No data available.

Solubility

Solubility in water:

Completely soluble

n-octanol/water coefficient (LogKow):

No data available.

Solubility in fat (g/L):

No data available.

9.2. Other information

Other physical and chemical parameters:

No data available.

Oxidizing properties:

No data available.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

10.2. Chemical stability

The product is stable under the conditions, noted in section 7 "Handling and storage".

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Product/substance	hydrogen peroxide
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	1.193 - 1.270 mg/L

Product/substance	hydrogen peroxide
Species:	Rabbit
Route of exposure:	Dermal
Test:	LD50
Result:	>2.000 (35% oplossing) mg/kg

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Species:	Rat

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Route of exposure: Oral
Test: LD50
Result: 500 mg/kg

Based on available data, the classification criteria are not met.

Skin corrosion/irritation

Product/substance: hydrogen peroxide
Result: Adverse effect observed (Irritating)

Product/substance: 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Test method: OECD 404
Result: Adverse effect observed (Irritating)

Based on available data, the classification criteria are not met.

Serious eye damage/irritation

Product/substance: hydrogen peroxide
Result: Adverse effect observed (Causes serious eye damage)

Product/substance: 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Test method: OECD 405
Result: Adverse effect observed (Causes serious eye damage)

Based on available data, the classification criteria are not met.

Respiratory sensitisation

Product/substance: hydrogen peroxide
Result: No adverse effect observed (not sensitising)

Based on available data, the classification criteria are not met.

Skin sensitisation

Product/substance: 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Test method: OECD 429
Species: Mouse
Result: Adverse effect observed (sensitising)

Product/substance: 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Test method: OECD 406
Species: Guinea pig
Result: Adverse effect observed (sensitising)

Based on available data, the classification criteria are not met.

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Product/substance: hydrogen peroxide
Conclusion: No adverse effect observed

Based on available data, the classification criteria are not met.

Reproductive toxicity

Product/substance: hydrogen peroxide
Conclusion: No adverse effect observed

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Product/substance: hydrogen peroxide
Based on available data, the classification criteria are not met.

11.2. Information on other hazards

Long term effects

None known.

Endocrine disrupting properties

This mixture/product does not contain any substances known to have hormone-disrupting properties in relation to health.

Other information

hydrogen peroxide has been classified by IARC as a group 3 carcinogen.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Product/substance	hydrogen peroxide
Species:	Fish, Pimephales promelas
Duration:	96 hours
Test:	LC50
Result:	16,4 mg/L

Product/substance	hydrogen peroxide
Species:	Fish, Leuciscus idus
Duration:	72 hours
Test:	LC50
Result:	35 mg/L

Product/substance	hydrogen peroxide
Species:	Fish, Oncorhynchus mykiss
Duration:	7 days
Test:	LC50
Result:	38,5 mg/L

Product/substance	hydrogen peroxide
Species:	Daphnia pulex
Duration:	48 hours
Test:	EC50
Result:	2,4 mg/L

Product/substance	hydrogen peroxide
Species:	Daphnia magna
Duration:	24 hours
Test:	EC50
Result:	7,7 mg/L

Product/substance	hydrogen peroxide
Species:	Skeletonema costatum
Duration:	72 hours
Test:	EC50
Result:	1,38 mg/L

Product/substance	hydrogen peroxide
Test method:	OECD 209
Species:	Bacteria
Compartment:	Activated Sludge Plant
Duration:	30 minutes
Test:	EC50
Result:	466 mg/L

Product/substance	hydrogen peroxide
Test method:	OECD 209

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Species:	Bacteria
Compartment:	Activated Sludge Plant
Duration:	3 hours
Test:	EC50
Result:	> 1.000 mg/L

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Species:	Fish
Duration:	96 hours
Test:	LC50
Result:	>0.1-1 mg/L

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Species:	Crustacean
Duration:	48 hours
Test:	EC50
Result:	>0.1-1 mg/L

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Species:	Algae
Duration:	72 hours
Test:	EC50
Result:	>0.1-1 mg/L

Based on available data, the classification criteria are not met.

12.2. Persistence and degradability

Product/substance	Alcohol, C13, bran., EO, sulfate Na~
Result:	> 60 %
Conclusion:	Readily biodegradable
Test:	OECD 301 B

Product/substance	hydrogen peroxide
Conclusion:	Readily biodegradable

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Result:	90%
Conclusion:	Readily biodegradable
Test:	OECD 302

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

12.3. Bioaccumulative potential

Product/substance	hydrogen peroxide
LogKow:	-1,57
Conclusion:	-

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
BCF:	2
LogKow:	1.45
Conclusion:	Potential for bioaccumulation is low

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

12.6. Endocrine disrupting properties

This mixture/product does not contain any substances considered to have endocrine-disrupting properties in relation

to the environment.

12.7. Other adverse effects

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Product is covered by the regulations on hazardous waste. (*)

HP 4 - Irritant (skin irritation and eye damage)

Commission Regulation (EU) No 1357/2014 of 18 December 2014 on waste.

EWC code:

20 01 30

Detergents other than those mentioned in 20 01 29

Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: TRANSPORT INFORMATION

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Packing group

** Environmental hazards

Additional information

Not dangerous goods according to ADR, IATA and IMDG.

14.6. Special precautions for user

Not applicable.

14.7. Maritime transport in bulk according to IMO instruments

No data available.

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Restrictions for application:

Restricted to professional users.

Demands for specific education:

No specific requirements.

SEVESO - Categories / dangerous substances:

Not applicable.

Regulation on explosives precursors:

hydrogen peroxide (Annex I)

Labelling of contents according to Detergents Regulation (EC) No 648/2004:

>5% - <15%

· Non-ionic surfactants

< 5%

· Anionic surfactants

· Oxygen-based bleaching Agents

- Perfumes
- Preservation agent (BENZISOTHIAZOLINONE)

Additional information:

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

Sources:

Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents.
Commission Regulation (EU) No 1357/2014 of 18 December 2014 on waste.
Council Regulation (EC) No 2019/1148 on explosives precursors.
Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (CLP).
Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

15.2. Chemical safety assessment

No

SECTION 16: OTHER INFORMATION

Full text of H-phrases as mentioned in section 3

H271, May cause fire or explosion; strong oxidiser.
H302, Harmful if swallowed.
H314, Causes severe skin burns and eye damage.
H315, Causes skin irritation.
H318, Causes serious eye damage.
H319, Causes serious eye irritation.
H332, Harmful if inhaled.
H335, May cause respiratory irritation.
H336, May cause drowsiness or dizziness.
H412, Harmful to aquatic life with long lasting effects.

Abbreviations and acronyms

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway
ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
CAS = Chemical Abstracts Service
CE = Conformité Européenne (European conformity)
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
CSA = Chemical Safety Assessment
CSR = Chemical Safety Report
DMEL = Derived Minimal Effect Level
DNEL = Derived No Effect Level
EINECS = European Inventory of Existing Commercial chemical Substances
ES = Exposure Scenario
EUH statement = CLP-specific Hazard statement
EuPCS = European Product Categorisation System
EWC = European Waste Catalogue
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
GWP = Global warming potential
IARC = International Agency for Research on Cancer (IARC)
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)

OECD = Organisation for Economic Co-operation and Development
PBT = Persistent, Bioaccumulative and Toxic
PNEC = Predicted No Effect Concentration
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
RRN = REACH Registration Number
SCL = A specific concentration limit
SVHC = Substances of Very High Concern
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
STOT-SE = Specific Target Organ Toxicity - Single Exposure
TWA = Time weighted average
UN = United Nations
UVBC = Unknown or variable composition, complex reaction products or of biological materials
VOC = Volatile Organic Compound
vPvB = Very Persistent and Very Bioaccumulative

Additional information

Not applicable.

The safety data sheet is validated by

Quality & Compliance

Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

Country-language: MT-en

HELAIAN DATA KESELAMATAN

i.1 all-purpose cleaner FlexDose

BAHAGIAN 1: PENGENALAN BAHAN KIMIA DAN PEMBEKAL

1.1. Pengecam produk

▼ *Nama dagang:*

i.1 all-purpose cleaner FlexDose

1.2. Kegunaan yang disarankan bagi bahan dan sekatan penggunaan

Penggunaan bahan atau campuran yang dikenal pasti:

Detergen dan agen pembersih (termasuk yang berasaskan pelarut)
Terhad kepada pengguna profesional.

Penggunaan yang tidak disarankan:

Tidak diketahui.

1.3. Butiran pembekal helaian data keselamatan

Butiran syarikat:

Hygeniq B.V.

Lenteweg 15
7532 RV Enschede
Nederland
0534282860

E-mel:

info@hygeniq.com

Tarikh SDS:

27/06/2025

Versi SDS:

2.0

Tarikh Keluaran Terdahulu:

2/06/2025 (1.0)

1.4. Nombor telefon kecemasan

Pusat Racun Kebangsaan (Pulau Pinang): Tel: 04 657 0099 (Isnin-Jumaat 08:10pg - 5:10pg), Tel: 012 430 9499 (Isnin-Jumaat 5:10ptg-10:00mlm ; Hujung minggu & cuti umum 8.10pg - 5.10ptg)

Lihat seksyen 4: Langkah pertolongan cemas

BAHAGIAN 2: PENGENALAN BAHAYA

2.1. Klasifikasi bahan atau campuran

Tidak dikelaskan mengikut Tataamalan Industri pada Pengelasan Bahan Kimia dan Komunikasi Hazard (ICOP).

2.2. Unsur label

Piktogram bahaya:

Tidak berkenaan.

Kata isyarat:

Tidak berkenaan.

Pernyataan bahaya:

Berdasarkan Peraturan Keselamatan dan Kesihatan Pekerjaan (Klasifikasi, Pelabelan dan Lembaran Data Keselamatan Bahan Kimia Berbahaya) 2013

Tidak berkenaan.

Pernyataan berjaga-jaga:

Am:

-

Pencegahan:

-

Tindakbalas:

-

Penyimpanan:

-

Pelupusan:

-

Ramuan berbahaya:

Tidak mengandungi bahan yang diperlukan untuk dilaporkan

Pelabelan tambahan:

Tidak berkenaan.

BAHAGIAN 3: KOMPOSISI DAN MAKLUMAT MENGENAI RAMUAN BAHAN KIMIA BERBAHAYA

3.1. Bahan

Tidak berkenaan. Produk ini ialah sejenis campuran.

3.2. Campuran

Produk/bahan	Pengenal pasti	% w/w	Klasifikasi	Nota
Alcohol, C13, bran., EO, sulfate Na~	CAS: 150413-26-6 EC: 688-316-0	1-3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 3, H412	
hydrogen peroxide	CAS: 7722-84-1 EC: 231-765-0	1-3%	Ox. Liq. 1, H271 Acute Tox. 4, H302 Skin Corr. 1A, H314 (SCL: 70.00 %) Skin Corr. 1B, H314 (SCL: 50.00 %) Skin Irrit. 2, H315 (SCL: 35.00 %) Eye Dam. 1, H318 (SCL: 8.00 %) Eye Irrit. 2, H319 (SCL: 5.00 %) Acute Tox. 4, H332 STOT SE 3, H336 (SCL: 35.00 %)	
citroenzuurmonohydraat	CAS: 5949-29-1 EC: 611-842-9	<0.1%	Eye Irrit. 2, H319	

Lihat teks penuh frasa H dalam seksyen 16. Had pendedahan pekerjaan disenaraikan dalam seksyen 8, jika ini tersedia.

Maklumat lain

-

BAHAGIAN 4: LANGKAH-LANGKAH PERTOLONGAN CEMAS

4.1. Deskripsi langkah pertolongan cemas

Am:

Jika berlaku kemalangan: Hubungi doktor atau jabatan kecemasan - bawa label atau helaian data keselamatan ini. Hubungi doktor jika ragu-ragu mengenai keadaan orang yang cedera atau jika simptom tersebut berterusan. Jangan berikan air atau minuman lain kepada orang yang tidak sedarkan diri.

Penyedutan:

Sekiranya rasa tidak selesa: alihkan orang itu ke kawasan berudara segar.

Terkena kulit:

Apabila kerengsaan: bilas dengan air. Sekiranya kerengsaan berterusan, dapatkan bantuan perubatan.

Terkena mata:

Bilas perlahan-lahan dengan air suam. Tanggalkan sebarang kanta sentuh jika ini mudah dilakukan. Teruskan membilas. Sekiranya kerengsaan mata atau ketidakselesaan berterusan: Dapatkan bantuan perubatan.

Tertelan:

Bilas dan cuci mulut dengan teliti dan gunakan kuantiti air yang banyak. Sekiranya ketidakselesaan berterusan: dapatkan bantuan perubatan dan bawa data keselamatan ini.

Terbakar:

Tidak berkenaan.

4.2. Simptom dan kesan yang paling penting, kedua-dua akut dan tertunda

Tidak diketahui.

4.3. Indikasi bagi sebarang rawatan segera dan rawatan khas yang diperlukan

Rawat ia mengikut simptom.

Nota kepada doktor

Bawa helaian data keselamatan ini atau label

BAHAGIAN 5: LANGKAH-LANGKAH PEMADAMAN KEBAKARAN

5.1. Media pemadam kebakaran

Tidak berkenaan.

5.2. Bahaya khusus yang timbul daripada bahan atau campuran

Kebakaran akan mengakibatkan asap tebal. Pendedahan kepada produk pembakaran boleh membahayakan kesihatan anda. Bekas tertutup, yang terdedah kepada kebakaran, hendaklah disejukkan dengan menggunakan air. Jangan biarkan air pemadaman api masuk ke sistem kumbahan dan permukaan perairan berhampiran.

Jika produk terdedah kepada suhu tinggi, cth. jika berlaku kebakaran, sebatian penguraian berbahaya dihasilkan.

Iaitu:

Karbon oksida (CO / CO₂)

5.3. Nasihat untuk ahli bomba

Tiada keperluan khusus.

BAHAGIAN 6: LANGKAH-LANGKAH PELEPASAN TIDAK SENGAJA

6.1. Langkah berjaga-jaga peribadi, peralatan pelindung dan prosedur kecemasan

Pastikan pengudaraan yang mencukupi, terutamanya di kawasan tertutup. Kawasan tercemar mungkin licin.

6.2. Langkah berjaga-jaga alam sekitar

Elakkan pelepasan ke tasik, sungai, pembetung, dll.

Pastikan orang yang tidak dibenarkan berada jauh daripada tumpahan

6.3. Kaedah dan bahan bagi pembendungan dan pembersihan

Mengandungi dan mengumpul tumpahan dengan bahan penyerap yang tidak mudah terbakar cth. pasir, tanah, vermikulit atau tanah diatom dan diletakkan dalam bekas untuk dilupuskan mengikut peraturan tempatan. Sekiranya boleh, pembersihan hendaklah dilakukan dengan agen pembersihan biasa. Elakkan penggunaan pelarut.

6.4. Rujukan kepada seksyen lain

Lihat seksyen 13 untuk maklumat tambahan pembuangan.

Lihat seksyen 8 untuk maklumat kawalan pendedahan dan perlindungan diri.

BAHAGIAN 7: PENGENDALIAN DAN PENYIMPANAN

7.1. Langkah berjaga-jaga bagi pengendalian selamat

Merokok, minum dan makan adalah tidak dibenarkan di kawasan kerja.

Lihat seksyen "Kawalan pendedahan dan perlindungan diri" untuk maklumat mengenai perlindungan peribadi.

7.2. Keadaan bagi penyimpanan yang selamat, termasuk apa-apa ketakserasian

Bahan penyimpanan yang disyorkan:

Pastikan bahan disimpan hanya di dalam bekas asal.

Keadaan penyimpanan:

Kering, sejuk dan pengudaraan yang baik

Bahan tidak serasi:

Asid yang kuat, asas yang kuat, agen pengoksidaan kuat, dan agen pengurangan yang kuat.

7.3. Kegunaan akhir yang spesifik

Produk ini hanya boleh digunakan untuk aplikasi yang disebutkan dalam seksyen 1.2

BAHAGIAN 8: KAWALAN PENDEDAHAN DAN PERLINDUNGAN DIRI

8.1. Parameter kawalan

hydrogen peroxide

Had pendedahan jangka panjang (8 jam) (ppm): 1

Had pendedahan jangka panjang (8 jam) (mg/m³): 1,4

PERATURAN-PERATURAN KESELAMATAN DAN KESIHATAN PEKERJAAN (PENGUNAAN DAN STANDARD PENDEDAHAN BAHAN KIMIA BERBAHAYA KEPADA KESIHATAN) 2000

8.2. Kawalan-kawalan pendedahan

Pematuhan nilai had pendedahan pekerjaan yang diberikan harus dikawal secara teratur.

Cadangan am:

Merokok, minum dan makan adalah tidak dibenarkan di kawasan kerja.

Senario pendedahan:

Tiada senario pendedahan yang dilaksanakan untuk produk ini.

Had pendedahan:

Pengguna profesional tertakluk kepada kepekatan maksimum yang sah untuk pendedahan pekerjaan. Lihat nilai had kebersihan pekerjaan di atas.

Kawalan kejuruteraan yang sesuai:

Pembentukan wap mesti dikekalkan pada paras minimum dan di bawah nilai had semasa (lihat di atas). Jika aliran udara biasa dalam bilik kerja tidak mencukupi, pemasangan suatu sistem ekzos setempat adalah disyorkan.

Pastikan bahawa pencuci mata dan pancuran kecemasan ditandakan dengan jelas.

Ambil langkah berjaga-jaga yang biasa semasa penggunaan produk. Elakkan penyedutan wap.

Langkah-langkah kebersihan:

Basuh tangan selepas digunakan.

Kawalan pendedahan alam sekitar:

Tiada keperluan khusus.

Langkah perlindungan individu, seperti PPE

Berdasarkan Peraturan Keselamatan dan Kesihatan Pekerjaan (Klasifikasi, Pelabelan dan Lembaran Data Keselamatan Bahan Kimia Berbahaya) 2013

Am:

Gunakan peralatan perlindungan bertanda CE.

Perlindungan pernafasan:

Jenis	Kelas	Warna	Standard	
Tidak khas apabila digunakan seperti yang dimaksudkan				

Perlindungan kulit:

Disyorkan	Jenis / Kategori	Standard	
Tidak khas apabila digunakan seperti yang dimaksudkan	-	-	

Perlindungan tangan:

Situasi kerja	Bahan	Ketebalan sarung tangan (mm)	Masa penembusan (min.)	Standard	
	Tidak khas apabila digunakan seperti yang dimaksudkan	-	-	-	
Jika pendedahan berpanjangan atau kepekatan tinggi	Kapas/Lateks	-	> 120	EN374-2, EN16523-1, EN388	

Perlindungan mata/muka:

Situasi kerja	Jenis	Standard	
	Tidak khas apabila digunakan seperti yang dimaksudkan	-	
Jika pendedahan berpanjangan atau kepekatan tinggi	Kaca mata keselamatan dengan pelindung sisi	EN166	

BAHAGIAN 9: SIFAT FIZIKAL DAN KIMIA

9.1. Maklumat tentang sifat fizikal dan kimia asas

Rupa:

Cecair

Warna:

Nir-warna

Bau:

Minyak wangi

Ambang bau (ppm):

Tiada data yang tersedia.

pH:

ca. 4.8

Ketumpatan (g/cm³):

1.02 (20 °C)

Kelikatan:

Tiada data yang tersedia.

Ciri-ciri zarah:

Tidak digunakan pada cecair

Fasa perubahan

Takat lebur/takat beku (°C):

Tiada data yang tersedia.

Titik lebur/julat (°C):

Tidak digunakan pada cecair

Titik didih/julat didih (°C):

Tiada data yang tersedia.

Tekanan Wap:

Tiada data yang tersedia.

Ketumpatan Wap:

Tiada data yang tersedia.

Suhu pereputan (°C):

Tiada data yang tersedia.

Kadar Penyejatan:

Data mengenai bahaya kebakaran dan letupan

Takat kilat (°C):

Tiada data yang tersedia.

Titik pencucuhan (°C):

Tiada data yang tersedia.

Suhu penyalaan automatik (°C):

Tiada data yang tersedia.

Had mudah meletup (mudah menyala) bawah dan atas (% v/v):

Tiada data yang tersedia.

Keterlarutan

Kelarutan dalam air:

Larut sepenuhnya

Pekali Sekatan (LogKow):

Tiada data yang tersedia.

Kelarutan dalam lemak (g/L):

Tiada data yang tersedia.

9.2. Maklumat lain

Parameter fizikal dan kimia yang lain:

Tiada data yang tersedia.

Sifat pengoksidaan:

Tiada data yang tersedia.

BAHAGIAN 10: KESTABILAN DAN KEREAKTIFAN

10.1. Kereaktifan

Tiada data yang tersedia.

10.2. Kestabilan kimia

Produk ini stabil di bawah keadaan, yang disebut dalam seksyen 7 "Pengendalian dan penyimpanan".

10.3. Kemungkinan tindak balas berbahaya

Tidak diketahui.

10.4. Keadaan yang perlu dielak

Tidak diketahui.

10.5. Bahan yang tidak serasi

Berdasarkan Peraturan Keselamatan dan Kesihatan Pekerjaan (Klasifikasi, Pelabelan dan Lembaran Data Keselamatan Bahan Kimia Berbahaya) 2013

Asid yang kuat, asas yang kuat, agen pengoksidaan kuat, dan agen pengurangan yang kuat.

10.6. Produk penguraian berbahaya

Dalam keadaan penyimpanan dan penggunaan yang biasa, produk penguraian berbahaya tidak boleh dihasilkan.

BAHAGIAN 11: MAKLUMAT TOKSIKOLOGI

11.1. Maklumat tentang kesan toksikologi

Ketoksikan akut

Produk/bahan	hydrogen peroxide
Spesis:	Tikus
Laluan pendedahan:	Oral
Ujian:	LD50
Keputusan:	1.193 - 1.270 mg/L

Produk/bahan	hydrogen peroxide
Spesis:	Arnab
Laluan pendedahan:	Kulit
Ujian:	LD50
Keputusan:	>2.000 (35% oplossing) mg/kg

Produk/bahan	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Spesis:	Tikus
Laluan pendedahan:	Oral
Ujian:	LD50
Keputusan:	500 mg/kg

Berdasarkan data yang ada, kriteria klasifikasi tidak dipenuhi.

Kakisan/kerengsaan Kulit

Produk/bahan	hydrogen peroxide
Keputusan:	Kesan buruk yang diperhatikan (Merengsakan)

Produk/bahan	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Kaedah ujian:	OECD 404
Keputusan:	Kesan buruk yang diperhatikan (Merengsakan)

Berdasarkan data yang ada, kriteria klasifikasi tidak dipenuhi.

Kerosakan/kerengsaan mata yang serius

Produk/bahan	hydrogen peroxide
Keputusan:	Kesan buruk yang diperhatikan (Menyebabkan kerosakan mata yang serius)

Produk/bahan	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Kaedah ujian:	OECD 405
Keputusan:	Kesan buruk yang diperhatikan (Menyebabkan kerosakan mata yang serius)

Berdasarkan data yang ada, kriteria klasifikasi tidak dipenuhi.

Pemekaan pernafasan

Produk/bahan	hydrogen peroxide
Keputusan:	Tiada kesan buruk yang diperhatikan (tidak memekatkan)

Berdasarkan data yang ada, kriteria klasifikasi tidak dipenuhi.

Pemekaan kulit

Produk/bahan	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Kaedah ujian:	OECD 429
Spesis:	Tikus
Keputusan:	Kesan buruk yang diperhatikan (memekatkan)

Produk/bahan	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Kaedah ujian:	OECD 406

Berdasarkan Peraturan Keselamatan dan Kesihatan Pekerjaan (Klasifikasi, Pelabelan dan Lembaran Data Keselamatan Bahan Kimia Berbahaya) 2013

Spesis: Argus
Keputusan: Kesan buruk yang diperhatikan (memekatkan)

Berdasarkan data yang ada, kriteria klasifikasi tidak dipenuhi.

Kemutagenan sel germa

Berdasarkan data yang ada, kriteria klasifikasi tidak dipenuhi.

Kekarsinogenan

Produk/bahan: hydrogen peroxide
Kesimpulan: Tiada kesan buruk yang diperhatikan

Berdasarkan data yang ada, kriteria klasifikasi tidak dipenuhi.
hydrogen peroxide : Bahan ini dikelaskan oleh IARC sebagai kumpulan 3.

Ketoksikan pembiakan

Produk/bahan: hydrogen peroxide
Kesimpulan: Tiada kesan buruk yang diperhatikan

Berdasarkan data yang ada, kriteria klasifikasi tidak dipenuhi.

Ketoksikan organ sasaran khusus (pendedahan tunggal)

Berdasarkan data yang ada, kriteria klasifikasi tidak dipenuhi.

Ketoksikan organ sasaran khusus (pendedahan berulang)

Berdasarkan data yang ada, kriteria klasifikasi tidak dipenuhi.

Bahaya aspirasi

Produk/bahan: hydrogen peroxide
Berdasarkan data yang ada, kriteria klasifikasi tidak dipenuhi.

Kesan Jangka Panjang

Tidak diketahui.

BAHAGIAN 12: MAKLUMAT EKOLOGI

12.1. Ketoksikan

Produk/bahan: hydrogen peroxide
Spesis: Ikan, Pimephales promelas
Tempoh: 96 jam
Ujian: LC50
Keputusan: 16,4 mg/L

Produk/bahan: hydrogen peroxide
Spesis: Ikan, Leuciscus idus
Tempoh: 72 jam
Ujian: LC50
Keputusan: 35 mg/L

Produk/bahan: hydrogen peroxide
Spesis: Ikan, Oncorhynchus mykiss
Tempoh: 7 hari
Ujian: LC50
Keputusan: 38,5 mg/L

Produk/bahan: hydrogen peroxide
Spesis: Daphnia pulex
Tempoh: 48 jam
Ujian: EC50
Keputusan: 2,4 mg/L

Produk/bahan: hydrogen peroxide
Spesis: Daphnia magna
Tempoh: 24 jam

Berdasarkan Peraturan Keselamatan dan Kesehatan Pekerjaan (Klasifikasi, Pelabelan dan Lembaran Data Keselamatan Bahan Kimia Berbahaya) 2013

Ujian: EC50
Keputusan: 7,7 mg/L

Produk/bahan: hydrogen peroxide
Spesis: Skeletonema costatum
Tempoh: 72 jam
Ujian: EC50
Keputusan: 1,38 mg/L

Produk/bahan: hydrogen peroxide
Kaedah ujian: OECD 209
Spesis: Bakteria
Persekitaran: Loji Enapcemar Diaktifkan
Tempoh: 30 minutes
Ujian: EC50
Keputusan: 466 mg/L

Produk/bahan: hydrogen peroxide
Kaedah ujian: OECD 209
Spesis: Bakteria
Persekitaran: Loji Enapcemar Diaktifkan
Tempoh: 3 jam
Ujian: EC50
Keputusan: > 1.000 mg/L

Produk/bahan: 1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Spesis: Ikan
Tempoh: 96 jam
Ujian: LC50
Keputusan: >0.1-1 mg/L

Produk/bahan: 1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Spesis: Krustasia
Tempoh: 48 jam
Ujian: EC50
Keputusan: >0.1-1 mg/L

Produk/bahan: 1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Spesis: Alga
Tempoh: 72 jam
Ujian: EC50
Keputusan: >0.1-1 mg/L

Berdasarkan data yang ada, kriteria klasifikasi tidak dipenuhi.

12.2. Ketegaran dan keterdegradan

Produk/bahan: Alcohol, C13, bran., EO, sulfate Na~
Keputusan: > 60 %
Kesimpulan: Mudah terbiodegradasi
Ujian: OECD 301 B

Produk/bahan: hydrogen peroxide
Kesimpulan: Mudah terbiodegradasi

Produk/bahan: 1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Keputusan: 90%
Kesimpulan: Mudah terbiodegradasi
Ujian: OECD 302

12.3. Keupayaan biopengumpulan

Produk/bahan: hydrogen peroxide

Berdasarkan Peraturan Keselamatan dan Kesihatan Pekerjaan (Klasifikasi, Pelabelan dan Lembaran Data Keselamatan Bahan Kimia Berbahaya) 2013

LogKow: -1,57
Kesimpulan: -

Produk/bahan 1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
BCF: 2
LogKow: 1.45
Kesimpulan: Potensi untuk biopengumpulan yang rendah

12.4. Mobiliti dalam tanah

Tiada data yang tersedia.

12.5. Keputusan taksiran PBT dan vPvB

Campuran/produk ini tidak mengandungi sebarang bahan yang dianggap memenuhi kriteria yang mengklasifikasikannya sebagai PBT dan/atau vPvB.

12.6. Kesan memudaratkan yang lain

Tidak diketahui.

BAHAGIAN 13: MAKLUMAT PELUPUSAN

Kaedah rawatan bahan buangan

Lupuskan kandungan/bekas ke ke loji pelupusan sisa yang diluluskan.

Pelabelan spesifik

Bahan Pembungkusan Tercemar

Pembungkusan yang mengandungi residu produk mesti dilupuskan sama dengan produk tersebut.

BAHAGIAN 14: MAKLUMAT PENGANGKUTAN

	14.1 No. U.N.	14.2 Nama penghantaran betul	14.3 Kelas	14.4 PG*	14.5 Env**	Maklumat lain:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Kumpulan Pembungkusan

** Bahaya Alam Sekitar

Maklumat tambahan

Barangan tidak berbahaya menurut ADR, IATA dan IMDG.

14.6. Langkah berjaga-jaga khas untuk pengguna

Tidak berkenaan.

14.7. Pengangkutan secara pukal menurut Lampiran II MARPOL dan Kod IBC

Tiada data yang tersedia.

BAHAGIAN 15: MAKLUMAT PENGAWALSELIAAN

15.1. Peraturan/undang-undang keselamatan, kesihatan dan alam sekitar yang khusus bagi bahan atau campuran

Sekatan untuk penggunaan:

Terhad kepada pengguna profesional.

Keperluan untuk pendidikan khusus:

Tiada keperluan khusus.

Berdasarkan Peraturan Keselamatan dan Kesihatan Pekerjaan (Klasifikasi, Pelabelan dan Lembaran Data Keselamatan Bahan Kimia Berbahaya) 2013

Kawalan terhadap bahaya kemalangan besar dalam perindustrian:

Tidak berkenaan.

Maklumat tambahan:

Tidak berkenaan.

Sistem Pengurusan Maklumat Kimia (CIMS):

hydrogen peroxide disenaraikan

1,2-benzisothiazol-3(2H)-one, 1,2-benzisothiazolin-3-one disenaraikan

Sumber:

AKTA KESELAMATAN DAN KESIHATAN PEKERJAAN 1994

Peraturan-peraturan Keselamatan dan Kesihatan Pekerjaan (Pengelasan, Pelabelan dan Lembaran Data Keselamatan Bahan Kimia Berbahaya) [2013 P.U. (A) 310.]

Tataamalan Industri pada Pengelasan Bahan Kimia dan Komunikasi Hazard (ICOP)

15.2. Penilaian keselamatan kimia

Tidak

BAHAGIAN 16: MAKLUMAT LAIN

Teks penuh frasa H seperti yang dinyatakan dalam seksyen 3

H271, Boleh menyebabkan kebakaran atau letupan; pengoksida kuat

H302, Memudaratkan jika tertelan.

H314, Menyebabkan lecuran kulit dan kerosakan mata yang teruk.

H315, Menyebabkan kerengsaan kulit.

H318, Menyebabkan kerosakan mata yang serius.

H319, Menyebabkan kerengsaan mata yang serius.

H332, Memudaratkan jika tertedut.

H336, Boleh menyebabkan mengantuk atau kepeningan.

H412, Memudaratkan kepada hidupan akuatik dengan kesan kekal berpanjangan.

Teks penuh penggunaan yang dikenalpasti seperti dinyatakan dalam seksyen 1

Tidak diketahui.

Singkatan dan akronim

ADN = Peruntukan Eropah mengenai Pengangkutan Barang Antarabangsa Berbahaya melalui Jalan Air Pedalaman

ADR = Perjanjian Eropah mengenai Pengangkutan Antarabangsa Barangan Berbahaya melalui Jalan Raya

ATE = Anggaran Ketoksikan Akut

BCF = Faktor Biokonsentrasi

CAS = Perkhidmatan Abstrak Kimia

EINECS = - Inventori Eropah Bagi Bahan Kimia Komersial Sedia Ada

GHS = Sistem Terharmoni Global Bagi Pengelasan dan Pelabelan Bahan Kimia

IARC = Agensi Antarabangsa Penyelidikan Mengenai Kanser

IATA = Persatuan Pengangkutan Udara Antarabangsa

IMDG = Barangan Berbahaya Maritim Antarabangsa

LogPow = logaritma pekali partisi oktanol/air

MARPOL = Konvensyen Antarabangsa untuk Pencegahan Pencemaran dari Kapal, 1973 seperti yang diubahsuai oleh Protokol 1978. ("Marpol" = pencemaran marin)

OECD = Pertubuhan Kerjasama Ekonomi dan Pembangunan

RID = Peraturan-peraturan bagi Pengangkutan Antarabangsa Barangan Berbahaya oleh Kereta Api

SCL = Mempunyai had kepekatan tertentu.

STEL = Had pendedahan jangka pendek

STOT-RE = Ketoksikan Organ Sasaran Khusus - Pendedahan Berulang

STOT-SE = Ketoksikan Organ Sasaran Khusus - Pendedahan Tunggal

TWA = Purata wajaran masa

UN = Bangsa-Bangsa Bersatu

VOC = Kompaun Organik Meruap

Maklumat tambahan

Tidak berkenaan.



Berdasarkan Peraturan Keselamatan dan Kesihatan Pekerjaan (Klasifikasi, Pelabelan dan Lembaran Data Keselamatan Bahan Kimia Berbahaya) 2013

Lembaran data keselamatan disahkan oleh

Quality & Compliance

Maklumat lain

Perubahan (berkadar dengan perubahan penting yang terakhir (sifer pertama dalam versi SDS, lihat seksyen 1)) ditandakan dengan segitiga.

Maklumat dalam helaian data keselamatan ini hanya terpakai kepada produk tertentu ini (disebutkan dalam seksyen 1) dan tidak semestinya betul jika digunakan dengan bahan kimia/produk lain.

Adalah disyorkan untuk menyerahkan helaian data keselamatan ini kepada pengguna produk yang sebenarnya.

Maklumat dalam helaian data keselamatan ini tidak boleh digunakan sebagai spesifikasi produk.

Negara-bahasa: MY-ms

VEILIGHEIDSINFORMATIEBLAD

i.1 all-purpose cleaner FlexDose

RUBRIEK 1: IDENTIFICATIE VAN DE STOF OF HET MENGSEL EN VAN DE VENNOOTSCHAP/ONDERNEMING

1.1. Productidentificatie

▼ *Handelsnaam:*

i.1 all-purpose cleaner FlexDose

1.2. Relevant geïdentificeerd gebruik van de stof of het mengsel en ontraden gebruik

Relevant geïdentificeerd gebruik van de stof of het mengsel:

Was- en reinigingsmiddelen (inclusief op oplosmiddelbasis)

Uitsluitend voor gebruik door professionele gebruiker.

Ontraden gebruik :

Niet bekend.

1.3. Details betreffende de verstrekker van het veiligheidsinformatieblad

Firmanaam en adres:

Hygeniq B.V.

Postbus 618

7500 AP Enschede

The Netherlands

+31 53 4282860

+31 53 5393865

www.hygeniq.com

E-mailadres:

info@hygeniq.com

Herziening:

27-06-2025

SDS-versie:

2.0

Datum vorige uitgave:

02-06-2025 (1.0)

1.4. Telefoonnummer voor noodgevallen

Bij ongeval met dit product neemt contact op met uw arts of de spoeddiensten van het plaatselijke ziekenhuis. Artsen en medisch personeel kunnen met NVIC contact opnemen: Tel: +31 (0)88 755 8000 (bereikbaar 24/7). Het telefoonnummer is uitsluitend bestemd om professionele hulpverleners te informeren bij acute vergiftigingen. Zie rubriek 4 over eerstehulpmaatregelen.

RUBRIEK 2: IDENTIFICATIE VAN DE GEVAREN

2.1. Indeling van de stof of het mengsel

Niet geclassificeerd volgens de Verordening (EG) Nr.1272/2008 (CLP).

2.2. Etiketteringselementen

Gevarenpictogram(men):

Niet van toepassing.

Signaalwoord:

Niet van toepassing.

Gevarenaanduidingen:

Niet van toepassing.

Veiligheidsaanbevelingen:

Algemeen:

-

Preventie:

-

Reactie:

-

Opslag:

-

Verwijdering:

-

Stoffen waarvoor meldingsplicht geldt:

Bevat geen informatieplichtige stoffen

Andere opmerkingen:

EUH210, Veiligheidsinformatieblad op verzoek verkrijgbaar.

Etikettering van de inhoud in overeenstemming met detergentiaverordening EG nr. 648/2004 (van toepassing op verpakkingen van wasmiddelen die aan het grote publiek worden verkocht):

>5% - <15%

· Niet-ionogene oppervlakteactieve stoffen

< 5%

· Anionogene oppervlakteactieve stoffen

· Zuurstofbleekmiddelen

· Parfums

· Conserveermiddel (BENZISOTHIAZOLINONE)

2.3. Andere gevaren

Overig:

Dit mengsel/product bevat geen stoffen die aan de criteria voldoen om ze als PBT en/of zPzB te classificeren.

Dit product bevat geen stoffen die worden beschouwd als hormoonverstorende stoffen volgens de criteria van Gedelegeerde Verordening (EU) 2017/2100 van de Commissie of Verordening (EU) 2023/707 van de Commissie.

RUBRIEK 3: SAMENSTELLING EN INFORMATIE OVER DE BESTANDDELEN

3.1. Stoffen

Niet van toepassing. Dit product is een mengsel.

3.2. Mengsels

Product / ingrediënt	Identificatiemogelijkheden	% w/w	Classificatie	Opm.
Alcohol, C13, bran., EO, sulfate Na~	CAS Nr.: 150413-26-6 EG Nr: 688-316-0 REACH: Catalogusnr.:	1-3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 3, H412	
waterstofperoxide	CAS Nr.: 7722-84-1 EG Nr: 231-765-0 REACH: 01-2119485845-22-XXXX Catalogusnr.: 008-003-00-9	1-3%	Ox. Liq. 1, H271 Acute Tox. 4, H302 Skin Corr. 1A, H314 (SCL: 70,00 %) Skin Corr. 1B, H314 (SCL: 50,00 %) Skin Irrit. 2, H315 (SCL: 35,00 %) Eye Dam. 1, H318 (SCL: 8,00 %)	

			Eye Irrit. 2, H319 (SCL: 5,00 %) Acute Tox. 4, H332 STOT SE 3, H336 (SCL: 35,00 %)	
citroenzuurmonohydraat	CAS Nr.: 5949-29-1 EG Nr: 611-842-9 REACH: 01-2119457026-42-XXXX Catalogusnr.:	<0.1%	Eye Irrit. 2, H319	
Disodium tin hexahydroxide	CAS Nr.: 12027-70-2 EG Nr: 234-724-5 REACH: 01-2120770924-45-XXXX Catalogusnr.:	<0.05%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	[1]

De volledige tekst van de gevarenaanduidingen staat in rubriek 16. Arbeidshygiënische grenswaarden zijn genoemd in rubriek 8, voor zover ze van toepassing zijn.

Andere informatie

[1] Europese grenswaarde voor beroepsmatige blootstelling.

RUBRIEK 4: EERSTEHULPMAATREGELEN

4.1. Beschrijving van de eerstehulpmaatregelen

Algemeen:

Bij ongelukken: Contacteer een arts of het : Tel: +31 (0)88 755 8000 (bereikbaar 24/7). Neem het etiket van het product of dit veiligheidsblad mee.
Het telefoonnummer is uitsluitend bestemd om professionele hulpverleners te informeren bij acute vergiftigingen. Bij aanhoudende symptomen of twijfel over de toestand van het slachtoffer moet er een arts ingeschakeld worden. Geef een bewusteloze persoon nooit water of iets dergelijks.

Bij inademen:

Als men moeilijkheden vaststelt tijdens de ademhaling of irritatie van de luchtwegen: Breng de persoon naar buiten en houd hem in de gaten.

Bij huidcontact:

Bij irritatie: Was het product eraf. Bij aanhoudende irritatie: Ga naar een arts.

Bij oogcontact:

Bij contact met de ogen: Spoel direct met water (20-30 °C) gedurende minstens 5 minuten. Verwijder eventuele contactlenzen. Ga naar de dokter.

Bij inslikken:

Als de persoon bij bewustzijn is, spoel dan de mond met water en blijf bij de persoon. Neem direct contact op met de dokter als de persoon zich niet goed voelt en neem dit veiligheidsblad mee of het etiket van het product. Lok het braken, niet uit, behalve als de arts dat adviseert. Laat het hoofd naar voor zakken zodat eventueel braaksel niet terugloopt in mond en hals.

Bij verbranding:

Niet van toepassing.

4.2. Belangrijkste acute en uitgestelde symptomen en effecten

Niet bekend.

4.3. Vermelding van eventueel noodzakelijke onmiddellijke medische verzorging en speciale behandeling

Symptomatisch behandelen.

Informatie voor de arts

Neem dit veiligheidsblad met of het etiket van het materiaal gegevens mee.

RUBRIEK 5: BRANDBESTRIJDINGSMAATREGELEN

5.1. Blusmiddelen

Niet van toepassing.

5.2. Speciale gevaren die door de stof of het mengsel worden veroorzaakt

Brand zal dichte rook ontwikkelen. Blootstelling aan afbraakproducten kan een gevaar voor de gezondheid opleveren. Gesloten houders die blootgesteld worden aan vuur, afkoelen met water. Laat het bluswater niet in riolering of waterleiding weglopen.

Als het product wordt blootgesteld aan hoge temperaturen, bv. in situaties van brand, kunnen er gevaarlijke afbraakproducten ontstaan. Deze zijn:

Carbonoxiden (CO / CO₂)

5.3. Advies voor brandweerlieden

Geen bijzondere eisen.

RUBRIEK 6: MAATREGELEN BIJ HET ACCIDENTEEL VRIJKOMEN VAN DE STOF OF HET MENGSEL

6.1. Persoonlijke voorzorgsmaatregelen, beschermingsmiddelen en noodprocedures

Zorg voor voldoende ventilatie, vooral in afgesloten ruimten.
Verontreinigde gebieden kunnen glad zijn.

6.2. Milieuvorzorgsmaatregelen

Voorkom weglopen naar meren, rivieren, riolering, e.d.
Houd onbevoegden uit de buurt van het gemorste product.

6.3. Insluitings- en reinigingsmethoden en -materiaal

Verzamel gemorst materiaal met onbrandbaar, absorberend materiaal, bijvoorbeeld zand, aarde, vermiculiet of diatomeeënaarde en doe het in een container voor verwijdering volgens de lokale voorschriften.
Schoonmaken wordt voor zover mogelijk met schoonmaakmiddelen gedaan. Vermijd oplosmiddelen.

6.4. Verwijzing naar andere rubrieken

Zie het rubriek "Instructies voor verwijdering" over hoe om te gaan met afval.
Zie het rubriek over 8 "Maatregelen ter beheersing van blootstelling/persoonlijke bescherming" voor beschermingsregelingen.

RUBRIEK 7: HANTERING EN OPSLAG

7.1. Voorzorgsmaatregelen voor het veilig hanteren van de stof of het mengsel

Roken, eten en drinken is niet toegestaan in arbeidslokalen.
Zie de rubriek "Maatregelen ter beheersing van blootstelling/persoonlijke bescherming" voor informatie over persoonlijke bescherming.

7.2. Voorwaarden voor een veilige opslag, met inbegrip van incompatibele producten

Containers die zijn geopend dienen zorgvuldig te worden afgesloten en rechtop te worden opgeslagen om lekkage te voorkomen.

Compatibele verpakkingen:

Uitsluitend in de oorspronkelijke verpakking bewaren.

Opslag condities:

Droog, koel en goed geventileerd

Chemisch op elkaar inwerkende materialen:

Sterke zuren, sterke basen, sterke oxidatiemiddelen en sterke reductiemiddelen.

7.3. Specifiek eindgebruik

Dit product mag alleen worden gebruikt voor de doeleinden zoals beschreven in rubriek 1.2.

RUBRIEK 8: MAATREGELEN TER BEHEERSING VAN BLOOTSTELLING/PERSOONLIJKE BESCHERMING

8.1. Controleparameters

2-(2-ethoxyethoxy)ethanol

Grenswaarde (TGG 8 uur) (mg/m³): 180

Opmerkingen:

H = Opgenomen via de huid.

Bijlage XIII behorend bij de Arbeidsomstandighedenregeling. Lijst van wettelijke grenswaarden.

DNEL

1,2-benzisothiazool-3(2H)-on; 1,2-benzisothiazoline-3-on

Duur:	Blootstellingsroute:	DNEL:
Lange termijn - Systemische effecten - Algehele populatie	Inademing	1.2 mg/m ³
Lange termijn - Systemische effecten - Arbeiders	Inademing	6.81 mg/m ³
Lange termijn - Systemische effecten - Algehele populatie	Via de huid	0.345 mg/kg
Lange termijn - Systemische effecten - Arbeiders	Via de huid	966 µg/kg bw/dag

2-(2-ethoxyethoxy)ethanol

Duur:	Blootstellingsroute:	DNEL:
Lange termijn - Lokale effecten - Algehele populatie	Inademing	18,3 mg/m ³
Lange termijn - Lokale effecten - Algehele populatie	Inademing	18 mg/m ³
Lange termijn - Lokale effecten - Arbeiders	Inademing	18 mg/m ³
Lange termijn - Lokale effecten - Arbeiders	Inademing	30 mg/m ³
Lange termijn - Systemische effecten - Arbeiders	Inademing	37 mg/m ³
Lange termijn - Systemische effecten - Arbeiders	Inademing	61 mg/m ³
Lange termijn - Systemische effecten - Algehele populatie	Oraal	25 mg/kg bw/dag
Lange termijn - Systemische effecten - Algehele populatie	Via de huid	25 mg/kg/d
Lange termijn - Systemische effecten - Arbeiders	Via de huid	50 mg/kg bw/dag
Lange termijn - Systemische effecten - Arbeiders	Via de huid	83 mg/kg/d

Disodium tin hexahydroxide

Duur:	Blootstellingsroute:	DNEL:
Lange termijn - Systemische effecten - Algehele populatie	Inademing	1.78 mg/m ³
Lange termijn - Systemische effecten - Arbeiders	Inademing	11.9 mg/m ³
Lange termijn - Systemische effecten - Algehele populatie	Oraal	1.21 mg/kg bw/dag
Lange termijn - Systemische effecten - Algehele populatie	Via de huid	1.21 mg/kg bw/dag
Lange termijn - Systemische effecten - Arbeiders	Via de huid	3.37 mg/kg bw/dag

waterstofperoxide

Duur:	Blootstellingsroute:	DNEL:
Korte termijn - Lokale effecten - Algehele populatie	Inademing	1.93 mg/m ³
Korte termijn - Lokale effecten - Arbeiders	Inademing	3 mg/m ³
Lange termijn - Lokale effecten - Algehele populatie	Inademing	0,21 mg/m ³
Lange termijn - Lokale effecten - Algehele populatie	Inademing	210 µg/m ³

Lange termijn - Lokale effecten - Arbeiders	Inademing	1.4 mg/m ³

PNEC

1,2-benzisothiazool-3(2H)-on; 1,2-benzisothiazoline-3-on

Blootstellingsroute:	Blootstellingsduur:	PNEC:
Aarde		3 mg/kg
Afvalwaterzuiveringsinstallatie		1.03 mg/L
Intermitterende vrijlating (zeewater)		110 ng/L
Intermitterende vrijlating (zoet water)		1.1 µg/L
Zeewater		403 ng/L
Zeewatersediment		4.99 µg/kg
Zoet water		4.03 µg/L
Zoetwatersediment		49.9 µg/kg

2-(2-ethoxyethoxy)ethanol

Blootstellingsroute:	Blootstellingsduur:	PNEC:
Aarde		0,15 mg/kg
Aarde		0.732 mg/kg
Aarde		0.34 mg/kg
Afvalwaterzuiveringsinstallatie		500 mg/L
Intermitterende vrijlating		10 mg/L
Intermitterende vrijlating (zoet water)		10 mg/L
Zeewater		0,074 mg/L
Zeewater		0.198 mg/L
Zeewatersediment		0,274 mg/kg
Zoet water		0,74 mg/L
Zoet water		1.98 mg/L
Zoetwatersediment		2,47 mg/kg
Zoetwatersediment		7.32 mg/kg

Disodium tin hexahydroxide

Blootstellingsroute:	Blootstellingsduur:	PNEC:
Afvalwaterzuiveringsinstallatie		10 mg/L
Intermitterende vrijlating (zeewater)		33.1 µg/L
Intermitterende vrijlating (zoet water)		331 µg/L
Zeewater		3.31 µg/L
Zeewatersediment		139.46 µg/kg
Zoet water		33.1 µg/L
Zoetwatersediment		1.395 mg/kg

waterstofperoxide

Blootstellingsroute:	Blootstellingsduur:	PNEC:
Aarde		0,023 mg/kg
Aarde		2.3 µg/kg
Afvalwaterzuiveringsinstallatie		4.66 mg/L
Afvalwaterzuiveringsinstallatie		4.66 mg/L

Intermitterende vrijlating (zoet water)		13.8 µg/L
Zeewater		0,047 mg/L
Zeewater		12.6 µg/L
Zeewatersediment		0,047 mg/L
Zeewatersediment		47 µg/kg
Zoet water		0,0126 mg/L
Zoet water		12.6 µg/L
Zoetwatersediment		0,047 mg/kg
Zoetwatersediment		47 µg/kg

8.2. Maatregelen ter beheersing van blootstelling

Naleving van de aangegeven grenswaarden dient regelmatig gecontroleerd te worden.

Algemene gedragslijnen:

Roken, eten en drinken is niet toegestaan in arbeidslokalen.

Blootstellingsscenario's:

Er zijn geen blootstellingsscenario's geïmplementeerd voor dit product.

Blootstellingslimieten:

Beroepsmatige gebruikers vallen onder de regels van de arbeidsomstandighedenwet betreffende maximum concentratie van exponering. Zie de arbeidshygiënische grenswaarden hierboven.

Technische maatregelen:

De ontwikkeling van dampen moet zo beperkt mogelijk blijven en in elk geval onder de aangegeven grenswaarden (zie hoger). Een lokaal afzuigsysteem is aan te raden als de ventilatie in het lokaal ontoereikend is. Zorg ervoor dat oogspoelmiddel en een doucheslang in geval van nood duidelijk aangegeven zijn.

Wees voorzichtig bij het gebruik van het product. Vermijd de inademing van dampen.

Hygiënische maatregelen:

Tijdens elke pauze in het gebruik van het product en na werktijd moeten geëxponeerde lichaamsdelen afgewassen worden. Let vooral op handen, onderarmen en gezicht.

Beheersing van milieublootstelling:

Geen bijzondere eisen.

Individuele beschermingsmaatregelen, zoals persoonlijke beschermingsmiddelen

Algemeen:

Gebruik alleen beschermingsapparatuur met het CE-keurmerk.

Luchtwege:

Type	Klasse	Kleur	Standaard	
Geen bijzondere bij normaal doelbewust gebruik.				

Huid en lichaam:

Aanbevolen	Type/Categorie	Normen	
Geen bijzondere bij normaal doelbewust gebruik	-	-	

Handen:

Werksituatie	Materiaal	Minimale laagdikte (mm)	Doorbraaktijd (min.)	Normen	
	Geen bijzondere bij normaal doelbewust gebruik	-	-	-	

Werksituatie	Materiaal	Minimale laagdikte (mm)	Doorbraaktijd (min.)	Normen	
In het geval van een lange blootstelling of hoge concentraties	Katoen / Natuurlijk rubber (Latex)	-	> 120	EN374-2, EN16523-1, EN388	

Ogen:

Werksituatie	Type	Normen	
	Geen bijzondere bij normaal doelbewust gebruik.	-	
In het geval van een lange blootstelling of hoge concentraties	Draag een veiligheidsbril met zijstukken	EN166	

RUBRIEK 9: FYSISCH EN CHEMISCH EIGENSCHAPPEN

9.1. Informatie over fysische en chemische basiseigenschappen

Fysische toestand:

Vloeibaar

Kleur:

Kleurloos

Geur / Geurdrempelwaarde (ppm):

Van parfum

pH:

ca. 4.8

Soortelijk gewicht (g/cm³):

1,02 (20 °C)

Kinematische viscositeit:

Geen gegevens beschikbaar.

Deeltjeskenmerken:

Niet van toepassing op vloeistoffen.

Toestandsverandering en damp

Smeltpunt/vriespunt (°C):

Geen gegevens beschikbaar.

Verwekingspunt/verwekingstraject (°C):

Niet van toepassing op vloeistoffen.

Kookpunt (°C):

Geen gegevens beschikbaar.

Dampdruk:

Geen gegevens beschikbaar.

Relatieve dampdichtheid:

Geen gegevens beschikbaar.

Ontledingstemperatuur (°C):

Geen gegevens beschikbaar.

Data voor brand- en explosiegevaar

Vlampunt (°C):

Geen gegevens beschikbaar.

Ontvlambaarheid (°C):

Geen gegevens beschikbaar.

Zelfontbrandingstemperatuur (°C):

Geen gegevens beschikbaar.

Ontploffingsgrenzen (% v/v):

Geen gegevens beschikbaar.

Oplosbaarheid

Oplosbaarheid in water:

Volledig oplosbaar

n-octanol/water coëfficiënt (LogKow):

Geen gegevens beschikbaar.

Oplosbaarheid in vet (g/L):

Geen gegevens beschikbaar.

9.2. Overige informatie

Andere fysische en chemische parameters:

Geen gegevens beschikbaar.

Oxiderende eigenschappen:

Geen gegevens beschikbaar.

RUBRIEK 10: STABILITEIT EN REACTIVITEIT

10.1. Reactiviteit

Geen gegevens beschikbaar.

10.2. Chemische stabiliteit

Het product is stabiel onder de voorwaarden die genoemd zijn in de rubriek 7 "Hantering en opslag".

10.3. Mogelijke gevaarlijke reacties

Niet bekend.

10.4. Te vermijden omstandigheden

Niet bekend.

10.5. Chemisch op elkaar inwerkende materialen

Sterke zuren, sterke basen, sterke oxidatiemiddelen en sterke reductiemiddelen.

10.6. Gevaarlijke ontledingsproducten

Bij normale omstandigheden van opslag en gebruik, zouden gevaarlijke ontledingsproducten niet moeten worden geproduceerd.

RUBRIEK 11: TOXICOLOGISCHE INFORMATIE

11.1. Informatie over gevarenklassen als omschreven in Verordening (EG) nr. 1272/2008

Acute toxiciteit

Product / ingrediënt	2-(2-ethoxyethoxy)ethanol
Soorten:	Rat
Blootstellingsroute:	Inademing
Test:	LC0
Resultaat:	0,025 mg/L

Product / ingrediënt	2-(2-ethoxyethoxy)ethanol
Testmethode:	OESO 402
Soorten:	Konijn
Blootstellingsroute:	Via de huid
Test:	LD50
Resultaat:	9143 mg/kg

Product / ingrediënt	2-(2-ethoxyethoxy)ethanol
Soorten:	Muis

Blootstellingsroute: Oraal
Test: LD50
Resultaat: 6031 mg/kg

Product / ingrediënt: waterstofperoxide
Soorten: Rat
Blootstellingsroute: Oraal
Test: LD50
Resultaat: 1.193 - 1.270 mg/L

Product / ingrediënt: waterstofperoxide
Soorten: Konijn
Blootstellingsroute: Via de huid
Test: LD50
Resultaat: >2.000 (35% oplossing) mg/kg

Product / ingrediënt: 1,2-benzisothiazool-3(2H)-on; 1,2-benzisothiazoline-3-on
Soorten: Rat
Blootstellingsroute: Oraal
Test: LD50
Resultaat: 500 mg/kg

Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.

Huidcorrosie/-irritatie

Product / ingrediënt: 2-(2-ethoxyethoxy)ethanol
Resultaat: Geen schadelijke effecten waargenomen (Niet irriterend)

Product / ingrediënt: waterstofperoxide
Resultaat: Schadelijke effecten waargenomen (Irriterend)

Product / ingrediënt: 1,2-benzisothiazool-3(2H)-on; 1,2-benzisothiazoline-3-on
Testmethode: OESO 404
Resultaat: Schadelijke effecten waargenomen (Irriterend)

Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.

Ernstig oogletsel/oogirritatie

Product / ingrediënt: 2-(2-ethoxyethoxy)ethanol
Resultaat: Schadelijke effecten waargenomen (Licht irriterend)

Product / ingrediënt: waterstofperoxide
Resultaat: Schadelijke effecten waargenomen (Veroorzaakt ernstig oogletsel)

Product / ingrediënt: 1,2-benzisothiazool-3(2H)-on; 1,2-benzisothiazoline-3-on
Testmethode: OESO 405
Resultaat: Schadelijke effecten waargenomen (Veroorzaakt ernstig oogletsel)

Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.

Sensibilisatie van de luchtwegen

Product / ingrediënt: waterstofperoxide
Resultaat: Geen schadelijke effecten waargenomen (niet sensibiliserend)

Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.

Sensibilisatie van de huid

Product / ingrediënt: 1,2-benzisothiazool-3(2H)-on; 1,2-benzisothiazoline-3-on
Testmethode: OESO 429
Soorten: Muis
Resultaat: Schadelijke effecten waargenomen (sensibiliserend)

Product / ingrediënt: 1,2-benzisothiazool-3(2H)-on; 1,2-benzisothiazoline-3-on
Testmethode: OESO 406

Soorten: Cavia
Resultaat: Schadelijke effecten waargenomen (sensibiliserend)

Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.

Mutageniteit in geslachtscellen

Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.

Kankerverwekkend

Product / ingrediënt waterstofperoxide
Conclusie: Geen schadelijke effecten waargenomen

Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.

Giftigheid voor de voortplanting

Product / ingrediënt waterstofperoxide
Conclusie: Geen schadelijke effecten waargenomen

Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.

STOT bij eenmalige blootstelling

Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.

STOT bij herhaalde blootstelling

Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.

Gevaar bij inademing

Product / ingrediënt waterstofperoxide
Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.

11.2. Informatie over andere gevaren

Effecten op lange termijn

Niet bekend.

Hormoonontregelende eigenschappen

Dit mengsel/product bevat geen stoffen die worden beschouwd als het hebben van hormoonverstorende eigenschappen met betrekking tot de gezondheid.

Overige informatie

waterstofperoxide : De stof is geclassificeerd als groep 3 door IARC.

RUBRIEK 12: ECOLOGISCHE INFORMATIE

12.1. Toxiciteit

Product / ingrediënt 2-(2-ethoxyethoxy)ethanol
Soorten: Bacterie
Duur: 16 uur
Resultaat: > 5000 mg/L

Product / ingrediënt 2-(2-ethoxyethoxy)ethanol
Testmethode: OESO 201
Soorten: Algen, Desmodesmus subspicatus
Duur: 96 uur
Test: EC50
Resultaat: >100 mg/L

Product / ingrediënt 2-(2-ethoxyethoxy)ethanol
Testmethode: OESO 202
Soorten: Daphnia magna
Duur: 48 uur
Test: EC50
Resultaat: 1982 mg/L

Product / ingrediënt 2-(2-ethoxyethoxy)ethanol
Testmethode: OESO 203
Soorten: Vis, Ictalurus catus

Duur: 96 uur
Test: LC50
Resultaat: 6010 mg/L

Product / ingrediënt waterstofperoxide
Soorten: Vis, Pimephales promelas
Duur: 96 uur
Test: LC50
Resultaat: 16,4 mg/L

Product / ingrediënt waterstofperoxide
Soorten: Vis, Leuciscus idus
Duur: 72 uur
Test: LC50
Resultaat: 35 mg/L

Product / ingrediënt waterstofperoxide
Soorten: Vis, Oncorhynchus mykiss
Duur: 7 dagen
Test: LC50
Resultaat: 38,5 mg/L

Product / ingrediënt waterstofperoxide
Soorten: Daphnia pulex
Duur: 48 uur
Test: EC50
Resultaat: 2,4 mg/L

Product / ingrediënt waterstofperoxide
Soorten: Daphnia magna
Duur: 24 uur
Test: EC50
Resultaat: 7,7 mg/L

Product / ingrediënt waterstofperoxide
Soorten: Skeletonema costatum
Duur: 72 uur
Test: EC50
Resultaat: 1,38 mg/L

Product / ingrediënt waterstofperoxide
Testmethode: OESO 209
Soorten: Bacterie
Milieucompartiment: Geactiveerde slibinstallatie
Duur: 30 minuten
Test: EC50
Resultaat: 466 mg/L

Product / ingrediënt waterstofperoxide
Testmethode: OESO 209
Soorten: Bacterie
Milieucompartiment: Geactiveerde slibinstallatie
Duur: 3 uur
Test: EC50
Resultaat: > 1.000 mg/L

Product / ingrediënt 1,2-benzisothiazool-3(2H)-on; 1,2-benzisothiazoline-3-on
Soorten: Vis
Duur: 96 uur
Test: LC50
Resultaat: >0.1-1 mg/L

Product / ingrediënt	1,2-benzisothiazool-3(2H)-on; 1,2-benzisothiazoline-3-on
Soorten:	Schaaldier
Duur:	48 uur
Test:	EC50
Resultaat:	>0.1-1 mg/L

Product / ingrediënt	1,2-benzisothiazool-3(2H)-on; 1,2-benzisothiazoline-3-on
Soorten:	Algen
Duur:	72 uur
Test:	EC50
Resultaat:	>0.1-1 mg/L

Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.

12.2. Persistentie en afbreekbaarheid

Product / ingrediënt	2-(2-ethoxyethoxy)ethanol
Resultaat:	100 %
Conclusie:	Gemakkelijk biologisch afbreekbaar
Test:	OESO 301 B

Product / ingrediënt	Alcohol, C13, bran., EO, sulfates Na~
Resultaat:	> 60 %
Conclusie:	Gemakkelijk biologisch afbreekbaar
Test:	OESO 301 B

Product / ingrediënt	waterstofperoxide
Conclusie:	Gemakkelijk biologisch afbreekbaar

Product / ingrediënt	1,2-benzisothiazool-3(2H)-on; 1,2-benzisothiazoline-3-on
Resultaat:	90%
Conclusie:	Gemakkelijk biologisch afbreekbaar
Test:	OECD 302

De oppervlakteactieve stof(fen) in dit preparaat voldoet(n) aan de criteria voor biologische afbreekbaarheid zoals vastgelegd in Verordening (EG) nr. 648/2004 betreffende detergentia. Gegevens ter ondersteuning van deze bewering worden ter beschikking van de bevoegde autoriteiten van de lidstaten gehouden en zullen aan hen beschikbaar worden gesteld na een rechtstreeks verzoek of op verzoek van een producent van detergentia.

12.3. Bioaccumulatie

Product / ingrediënt	2-(2-ethoxyethoxy)ethanol
Conclusie:	Gemakkelijk biologisch afbreekbaar

Product / ingrediënt	2-(2-ethoxyethoxy)ethanol
Conclusie:	-

Product / ingrediënt	waterstofperoxide
LogKow:	-1,57
Conclusie:	-

Product / ingrediënt	1,2-benzisothiazool-3(2H)-on; 1,2-benzisothiazoline-3-on
BCF:	2
LogKow:	1.45
Conclusie:	Bioaccumulatievermogen is laag

12.4. Mobiliteit in de bodem

Geen gegevens beschikbaar.

12.5. Resultaten van PBT- en zPzB-beoordeling

Dit mengsel/product bevat geen stoffen die aan de criteria voldoen om ze als PBT en/of zPzB te classificeren.

12.6. Hormoonontregelende eigenschappen

Dit mengsel/product bevat geen stoffen die worden beschouwd als het hebben van endocrien-verstorende

eigenschappen met betrekking tot het milieu.

12.7. Andere schadelijke effecten

Niet bekend.

RUBRIEK 13: INSTRUCTIES VOOR VERWIJDERING

13.1. Afvalverwerkingsmethoden

Dit product valt onder de wetgeving inzake gevaarlijke afvalstoffen. (*)

HP 4 - Irriterend (huidirritatie en oogletsel)

Verordening (EU) Nr. 1357/2014 van de Commissie van 18 december 2014 betreffende afvalstoffen.

Euracode:

20 01 30

Niet onder 20 01 29 vallende detergënten

Verontreinigde emballage

Verpakking met restinhoud van het product wegwerken volgens dezelfde voorwaarden als het product.

RUBRIEK 14: INFORMATIE MET BETREKKING TOT HET VERVOER

	14.1 VN	14.2 Juiste ladingnaam van de VN	14.3 Transportgevaarklasse(n)	14.4 PG*	14.5. Env**	Andere informatie:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Verpakkingsgroep

** Milieugevaren

Overig

Geen gevaarlijke goederen volgens ADR, IATA en IMDG.

14.6. Bijzondere voorzorgen voor de gebruiker

Niet van toepassing.

14.7. Zeevervoer in bulk overeenkomstig IMO-instrumenten

Geen gegevens beschikbaar.

RUBRIEK 15: REGELGEVING

15.1. Specifieke veiligheids-, gezondheids- en milieureglementen en -wetgeving voor de stof of het mengsel

Beperkingen bij gebruik:

Uitsluitend voor gebruik door professionele gebruiker.

Eisen t.o.v. speciale opleidingen:

Geen bijzondere eisen.

SEVESO - Gevaarcategorieën / Gevaarlijke stoffen:

Niet van toepassing.

Verordening van precursoren voor explosieven:

waterstofperoxide (Bijlage I)

Etikettering van de inhoud in overeenstemming met detergentiaverordening EG nr. 648/2004:

>5% - <15%

· Niet-ionogene oppervlakteactieve stoffen

< 5%

· Anionogene oppervlakteactieve stoffen

· Zuurstofbleekmiddelen

· Parfums

- Conserveermiddel (BENZISOTHIAZOLINONE)

Overig:

De oppervlakteactieve stof(fen) in dit preparaat voldoet(n) aan de criteria voor biologische afbreekbaarheid zoals vastgelegd in Verordening (EG) nr. 648/2004 betreffende detergentia. Gegevens ter ondersteuning van deze bewering worden ter beschikking van de bevoegde autoriteiten van de lidstaten gehouden en zullen aan hen beschikbaar worden gesteld na een rechtstreeks verzoek of op verzoek van een producent van detergentia.

Bronnen:

Verordening (EG) nr. 648/2004 van het Europees Parlement en de Raad van 31 maart 2004 betreffende detergentia.

Verordening (EU) Nr. 1357/2014 van de Commissie van 18 december 2014 betreffende afvalstoffen.

Verordening (EU) 2019/1148 van precursoren voor explosieven.

Verordening (EG) nr. 1272/2008 van het Europees Parlement en de Raad van 16 december 2008 betreffende de indeling, etikettering en verpakking van stoffen en mengsels (CLP).

Verordening (EG) nr. 1907/2006 van het Europees Parlement en de Raad van 18 december 2006 inzake de registratie en beoordeling van en de autorisatie en beperkingen ten aanzien van chemische stoffen (REACH).

15.2. Chemischeveiligheidsbeoordeling

Nee

RUBRIEK 16: OVERIGE INFORMATIE

De volledige tekst van de H-zinnen genoemd in rubriek 3

H271, Kan brand of ontploffingen veroorzaken; sterk oxiderend.

H302, Schadelijk bij inslikken.

H314, Veroorzaakt ernstige brandwonden en oogletsel.

H315, Veroorzaakt huidirritatie.

H318, Veroorzaakt ernstig oogletsel.

H319, Veroorzaakt ernstige oogirritatie.

H332, Schadelijk bij inademing.

H335, Kan irritatie van de luchtwegen veroorzaken.

H336, Kan slaperigheid of duizeligheid veroorzaken.

H412, Schadelijk voor in het water levende organismen, met langdurige gevolgen.

Afkortingen en acroniemen

ADN = Europese wetgeving met betrekking tot het vervoer van gevaarlijke goederen over binnewateren

ADR = Europese overeenkomst met betrekking tot het vervoer van gevaarlijke goederen over de weg

ATE = Acute toxiciteitsbeoordeling

BCF = Bioconcentratie Factor

CAS = Chemical Abstracts Service

CE = Conformité européenne

CLP = Indeling, etikettering en verpakking van stoffen en mengsels [Verordening (EG) No. 1272/2008]

CSA = Chemische Veiligheidsbeoordeling

CSR = rapporten over de chemische veiligheid (CSR - Chemical Safety Reports)

DNEL = De afgeleide dosis zonder effect

EAC = Europese Afval Catalogoog

EINECS = European INventory of Existing Commercial Substances

ES = blootstellingsscenario

EUH zin = CLP-specifieke gevaarszin

EuPCS = Europees productindelingssysteem

GHS = Globaal geharmoniseerd systeem voor indeling, kenmerking en etikettering van chemische stoffen en mengsels

GWP = Aardopwarmingsvermogen

IATA = Internationaal Lucht Transport Vereniging

IBC = Tussentijdse bulk container

IMDG = Internationaal Maritiem Transport voor Gevaarlijke goederen

LogPow = Logaritme van de octaan/water partitie coëfficiënt

MARPOL = Internationale conventie voor de preventie van vervuiling door schepen, 1973 en aangepast door het protocol van 1978. ("Marpol" = zee vervuiling)

OESO = Organisatie voor Economische Samenwerking en Ontwikkeling

PBT = Persistent, Bioaccumulatief en Toxisch
PNEC = Voorspelde geen effect concentratie
RID = Regelgeving met betrekking tot het vervoer van gevaarlijke goederen over het spoor
RRN = REACH registratie nummer
SCL = Specifieke concentratielimiet.
SVHC = Zeer zorgwekkende stoffen
STOT-RE = specifieke doelorgaantoxiciteit - herhaalde blootstelling
STOT-SE = specifieke doelorgaantoxiciteit - enkelvoudige blootstelling
TGG = Tijd gewogen gemiddelde
UVBC = Stoffen van onbekende of variabele samenstelling, complexe reactieproducten of biologische materialen.
VN = Verenigde Naties
VOS = Vluchtige Organische Stoffen
zPzB = zeer Persistent en zeer Bioaccumulatief

Overig

Niet van toepassing.

Het veiligheidsinformatieblad is gevalideerd door

Quality & Compliance

Overig

Veranderingen ten opzichte van de vorige belangrijke revisie (eerste cijfer in de SDS-versie, zie rubriek 1) van dit veiligheidsinformatieblad zijn gemarkeerd met een driehoek.
De inlichtingen in dit veiligheidsinformatieblad gelden alleen voor het product genoemd in rubriek 1 en hoeven niet te gelden bij gebruik samen met andere producten.
Het is aan te bevelen dit veiligheidsinformatieblad af te geven aan de eigenlijke gebruiker van het product. De genoemde informatie dient niet als productspecificatie.
Land-taal: NL-nl

SIKKERHETSDATABLAD

i.1 all-purpose cleaner FlexDose

AVSNITT 1: IDENTIFIKASJON AV STOFFET/STOFFBLANDINGEN OG AV SELSKAPET/FORETAKET

1.1. Produktidentifikator

▼ *Handelsnavn:*

i.1 all-purpose cleaner FlexDose

1.2. Relevante identifiserte bruksområder for stoffet eller stoffblandingen og bruk som frarådes

Aktuelle identifiserte anvendelser for stoffet eller blandingen:

Vaske- og rengjøringsmidler (inkludert løsemiddelbasert)
Bare for yrkesbrukere.

Ikke tilrådde anvendelser:

Ingen kjente

1.3. Opplysninger om leverandøren av sikkerhetsdatabladet

Selskapsopplysninger:

Hygeniq B.V.

Postbus 618
7500 AP Enschede
The Netherlands
+31 53 4282860
+31 53 5393865
www.hygeniq.com

E-post:

info@hygeniq.com

Revidert:

27.06.2025

SDS Versjon:

2.0

Dato for forrige utgave:

02.06.2025 (1.0)

1.4. Nødtelefonnummer

Nødsituasjon: Ring 113, be om giftinformasjonen. Åpent 24 timer i døgnet.

Giftinformasjonen på tlf.nr.: +47 22 59 13 00

Se avsnitt 4 om 'Førstehjelpstiltak'

AVSNITT 2: FAREIDENTIFIKASJON

2.1. Klassifisering av stoffet eller stoffblandingen

Ikke klassifisert i henhold til CLP-forskriften.

2.2. Merkingselementer

Farepiktogram:

Ikke relevant.

Varselord:

Ikke relevant.

Faresetninger:

Ikke relevant.

Sikkerhetssetning(er):

Generelt:

-

Forebygging:

-

Tiltak:

-

Oppbevaring:

-

Disponering:

-

Inneholder:

Inneholder ingen opplysningspliktige stoffer

Annen merkning:

EUH210, Sikkerhetsdatablad er tilgjengelig på anmodning.

Etikettering av innhold i overensstemmelse med produktforskriften (gjelder emballasje til vaskemidler som selges til allmennheten):

>5% - <15%

· Ikke-ioniske overflateaktive stoffer

< 5%

· Anioniske overflateaktive stoffer

· Oksygenbaserte blekemidler

· Parfyme

· Konserveringsmiddel (BENZISOTHIAZOLINONE)

2.3. Andre farer

Annet:

Blandingen/produktet inneholder ikke noen stoffer som oppfyller kriteriene som klassifiserer dem som PBT og/eller vPvB.

Produktet inneholder ingen stoffer som er vurdert til å være hormonforstyrrende i henhold til kriteriene i kommisjonens delegerte forordning (EU) 2017/2100 eller kommisjonsforordning (EU) 2023/707.

AVSNITT 3: SAMMENSETNING / OPPLYSNINGER OM BESTANDDELER

3.1. Stoffer

Ikke relevant. Dette produktet er en stoffblanding.

3.2. Stoffblandinger

Produkt/bestanddel	Identifikatorer	% w/w	Klassifisering	Anm.
Alcohol, C13, bran., EO, sulfate Na~	CAS-nr.: 150413-26-6 EF-nr.: 688-316-0 REACH: Indeksnr.:	1-3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 3, H412	
hydrogenperoksidløsning ... %	CAS-nr.: 7722-84-1 EF-nr.: 231-765-0 REACH: 01-2119485845-22-XXXX Indeksnr.: 008-003-00-9	1-3%	Ox. Liq. 1, H271 Acute Tox. 4, H302 Skin Corr. 1A, H314 (SCL: 70,00 %) Skin Corr. 1B, H314 (SCL: 50,00 %) Skin Irrit. 2, H315 (SCL: 35,00 %) Eye Dam. 1, H318 (SCL: 8,00 %)	

			Eye Irrit. 2, H319 (SCL: 5,00 %) Acute Tox. 4, H332 STOT SE 3, H336 (SCL: 35,00 %)	
citroenzuurmonohydraat	CAS-nr.: 5949-29-1 EF-nr.: 611-842-9 REACH: 01-2119457026-42-XXXX Indeksnr.:	<0.1%	Eye Irrit. 2, H319	
Disodium tin hexahydroxide	CAS-nr.: 12027-70-2 EF-nr.: 234-724-5 REACH: 01-2120770924-45-XXXX Indeksnr.:	<0.05%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	[1]

Se avsnitt 16 for de fullstendige H-setningene det vises til ovenfor. Tiltaks- og grenseverdier, hvis tilgjengelig, er oppført i avsnitt 8.

Annen informasjon

[1] EU har en veiledende grenseverdi for stoffet.

AVSNITT 4: FØRSTEHJELPSTILTAK

4.1. Beskrivelse av førstehjelpstiltak

Generelt:

Ved uhell: Kontakt lege eller legevakt - ta med etiketten eller dette sikkerhetsdatabladet.

Ved vedvarende symptomer eller ved tvil om den skaddes tilstand skal det søkes legehjelp. Gi aldri en bevisstløs person vann eller lignende.

Innånding:

Ved pustevansker eller irritasjon i luftveiene: Ta personen ut i frisk luft og hold personen under oppsyn.

Hudkontakt:

Ved irritasjon: vask av produktet. Ved fortsatt irritasjon: Oppsøk lege.

Øyekontakt:

Ved kontakt med øynene: Skyll straks med vann (20-30 °C) i minst 5 minutter. Fjern evt. kontaktlinser. Oppsøk lege.

Svelging:

Hvis personen er ved bevissthet, skyll munnen med vann og hold personen under oppsyn. Gi aldri personen noe å drikke.

Ved illebefinnende: Kontakt lege omgående og ta med dette sikkerhetsdatabladet eller etiketten fra produktet. Ikke fremkall brekninger, med mindre legen anbefaler det. Senk hodet, slik at evt. oppkast ikke vil renne ned i munnen og halsen.

Forbrenning:

Ikke relevant.

4.2. De viktigste symptomene og virkningene, både akutte og forsinkede

Ingen kjente

4.3. Angivelse av om umiddelbar legehjelp og spesialbehandling er nødvendig

Behandles symptomatisk.

Merknader til lege

Ta med dette sikkerhetsdatabladet eller etiketten fra materialet.

AVSNITT 5: BRANNSLOKKINGSTILTAK

5.1. Slokkingsmidler

Ikke relevant.

5.2. Særlige farer knyttet til stoffet eller stoffblandingen

Brann vil utvikle tett røyk. Det kan utgjøre helsefare å bli utsatt for nedbrytningsprodukter. Lukkede beholdere som utsettes for ild, avkjøles med vann. La ikke vann fra brannslukking renne ut i kloakk og vannløp.
Hvis produktet utsettes for høye temperaturer, f.eks. i tilfelle brann, kan det dannes farlige nedbrytningsprodukter.
Disse er:
Karbonoksider (CO / CO₂)

5.3. Råd til brannmannskaper

Ingen spesielle krav.

AVSNITT 6: TILTAK VED UTILSIKTEDE UTSLIPP

6.1. Personlige forsiktighetsregler, personlig verneutstyr og nødrutiner

Sørg for egnet ventilasjon, spesielt i lukkede områder.
Områder med spill kan være glatte.

6.2. Forsiktighetsregler med hensyn til miljø

Unngå utledning til sjøer, bekker, kloakker mm.
Hold uvedkommende borte fra fareområdet.

6.3. Metoder og materialer for oppsamling og rensing

Utslipp begrenses og samles opp med brannfast, absorberende materiale som f.eks. sand, jord, vermikulitt eller kiselgur og has i en beholder for forskriftsmessig avfallshåndtering.
Rengjøring foretas så langt som det er mulig med rengjøringsmidler. Løsemidler bør unngås.

6.4. Henvisning til andre avsnitt

Se avsnitt 13 "Sluttbehandling" om håndtering av avfall.
Se avsnitt 8 "Eksponeringskontroll/personlig verneutstyr" for beskyttelsesforanstaltninger.

AVSNITT 7: HÅNTERING OG LAGRING

7.1. Forsiktighetsregler for sikker håndtering

Røking, inntak av mat og drikke er ikke tillatt i arbeidsområdet.
Se avsnitt 8 'Eksponeringskontroll / personlig verneutstyr' for opplysning om personlig beskyttelse.

7.2. Vilkår for sikker lagring, herunder eventuelle uforenligheter

Åpnede beholdere må lukkes forsvarlig og oppbevares stående for å unngå lekkasje.

Egnet emballasje:

Oppbevares bare i originalemballasjen.

Oppbevaringsbetingelser:

Tørt, kjølig og godt ventilert

Uforenlige materialer:

Sterke syrer, sterke baser, sterke oksideringsmidler og sterke reduksjonsmidler.

7.3. Særlig(e) sluttanvendelse(r)

Dette produktet bør bare brukes til formål som beskrevet i avsnitt 1.2.

AVSNITT 8: EKSPONERINGSKONTROLL / PERSONLIG VERNEUTSTYR

8.1. Kontrollparametere

hydrogenperoksidløsning ... %
Grenseverdi (8 timer) (mg/m³): 1,4
Grenseverdi (8 timer) (ppm): 1

Forskrift om tiltaksverdier og grenseverdier for fysiske og kjemiske faktorer i arbeidsmiljøet samt smitterisikogrupper for biologiske faktorer (forskrift om tiltaks- og grenseverdier). FOR-2011-12-06-1358. Sist endret: FOR-2024-04-05-581.

DNEL

1,2-benzisotiazol-3(2H)-on

Varighet:	Opptaksvei:	DNEL:
Langsiktig – Systemiske effekter - Arbeidere	Dermal	966 µg/kg bw/day
Langsiktig – Systemiske effekter - Befolkningen generelt	Dermal	0.345 mg/kg
Langsiktig – Systemiske effekter - Arbeidere	Innånding	6.81 mg/m ³
Langsiktig – Systemiske effekter - Befolkningen generelt	Innånding	1.2 mg/m ³

Disodium tin hexahydroxide

Varighet:	Opptaksvei:	DNEL:
Langsiktig – Systemiske effekter - Arbeidere	Dermal	3.37 mg/kg bw/day
Langsiktig – Systemiske effekter - Befolkningen generelt	Dermal	1.21 mg/kg bw/day
Langsiktig – Systemiske effekter - Arbeidere	Innånding	11.9 mg/m ³
Langsiktig – Systemiske effekter - Befolkningen generelt	Innånding	1.78 mg/m ³
Langsiktig – Systemiske effekter - Befolkningen generelt	Oral	1.21 mg/kg bw/day

hydrogenperoksidløsning ... %

Varighet:	Opptaksvei:	DNEL:
Kortsiktig – Lokaleffekter - Arbeidere	Innånding	3 mg/m ³
Kortsiktig – Lokaleffekter - Befolkningen generelt	Innånding	1.93 mg/m ³
Langsiktig – Lokaleffekter - Arbeidere	Innånding	1.4 mg/m ³
Langsiktig – Lokaleffekter - Befolkningen generelt	Innånding	0.21 mg/m ³
Langsiktig – Lokaleffekter - Befolkningen generelt	Innånding	210 µg/m ³

PNEC

1,2-benzisotiazol-3(2H)-on

Opptaksvei:	Eksposeringens varighet:	PNEC:
Ferskvann		4.03 µg/L
Ferskvannssediment		49.9 µg/kg
Havvann		403 ng/L
Havvannssediment		4.99 µg/kg
Jord		3 mg/kg
Periodisk utslipp (ferskvann)		1.1 µg/L
Periodisk utslipp (havvann)		110 ng/L
Renseanlegg		1.03 mg/L

Disodium tin hexahydroxide

Opptaksvei:	Eksposeringens varighet:	PNEC:
Ferskvann		33.1 µg/L
Ferskvannssediment		1.395 mg/kg
Havvann		3.31 µg/L
Havvannssediment		139.46 µg/kg
Periodisk utslipp (ferskvann)		331 µg/L
Periodisk utslipp (havvann)		33.1 µg/L
Renseanlegg		10 mg/L

hydrogenperoksidløsning ... %

Opptaksvei:	Eksposeringens varighet:	PNEC:
Ferskvann		0,0126 mg/L
Ferskvann		12.6 µg/L
Ferskvannssediment		0,047 mg/kg
Ferskvannssediment		47 µg/kg
Havvann		0,047 mg/L
Havvann		12.6 µg/L
Havvannssediment		0,047 mg/L
Havvannssediment		47 µg/kg
Jord		0,023 mg/kg
Jord		2.3 µg/kg
Periodisk utslipp (ferskvann)		13.8 µg/L
Renseanlegg		4.66 mg/L
Renseanlegg		4.66 mg/L

8.2. Eksposeringskontroll

Det bør kontrolleres regelmessig at de angitte grenseverdiene overholdes.

Generelt:

Røking, inntak av mat og drikke er ikke tillatt i arbeidsområdet.

Eksposeringsscenarioer:

Ingen eksposeringsscenarioer er implementert for dette produktet.

Eksposeringsgrenser:

Bedriftsrelaterte brukere er omfattet av arbeidsmiljølovgivningens regler om maksimumkonsentrasjoner for eksposering. Se arbeidshygieniske grenseverdier ovenfor.

Tekniske tiltak:

Dannelsen av damp må holdes på et minimum og under den gjeldende grenseverdien (se over). Det anbefales å installere et lokalt utluftingssystem dersom den vanlige luftstrømmen i arbeidsrommet ikke er tilstrekkelig. Sørg for at øyevask og dusj for nødsituasjoner er godt merket.

Følg standard forholdsregler ved bruk av produktet. Unngå inhalering av damp.

Hygieniske tiltak:

Ved hver pause i bruk av produktet og ved arbeidsstans skal eksponerte områder av kroppen vaskes. Vær ekstra nøye med hender, underarmer og ansikt.

Begrensning av eksposering av miljøet:

Ingen spesielle krav.

Individuelle vernetiltak

Generelt:

Benytt utelukkende CE-merket verneutstyr.

Åndedrettsvern:

Type	Klasse	Farge	Standarder	
Ingen spesielle ved normal tilsiktet bruk.				

Kroppvern:

Anbefalt	Type/Kategori	Standarder	
Ingen spesielle ved normal tilsiktet bruk.	-	-	

Håndvern:

Arbeidssituasjon	Materiale	Hanskeykkelse (mm)	Gjennomtrengningstid (min.)	Standarder	
	Ingen spesielle ved normal tilsiktet bruk	-	-	-	
Ved langvarig eksponering eller høye konsentrasjoner	Bomull / Naturgummi (lateks)	-	> 120	EN374-2, EN16523-1, EN388	

Øyevern:

Arbeidssituasjon	Type	Standarder	
	Ingen spesielle ved normal tilsiktet bruk.	-	
Ved langvarig eksponering eller høye konsentrasjoner	Bruk beskyttelsesbriller med sideskjold.	EN166	

AVSNITT 9: FYSISKE OG KJEMISKE EGENSKAPER

9.1. Opplysninger om grunnleggende fysiske og kjemiske egenskaper

Tilstandsform:

Væske

Farge:

Fargeløs

Lukt / Luktterskel (ppm):

Parfymert

pH:

ca. 4.8

Tetthet (g/cm³):

1,02 (20 °C)

Kinematisk viskositet:

Ingen data tilgjengelige.

Partikkelegenskaper:

Ikke relevant - produktet er en væske

Tilstandsending og damptrykk

Smeltepunkt/Frysepunkt (°C):

Ingen data tilgjengelige.

Bløtgjøringspunkt / -område (°C):

Ikke relevant - produktet er en væske

Kokepunkt (°C):

Ingen data tilgjengelige.

Damptrykk:

Ingen data tilgjengelige.

Relativ damptetthet:

Ingen data tilgjengelige.

Spaltingstemperatur (°C):

Ingen data tilgjengelige.

Data for brann- og eksplosjonsfarer

Flammepunkt (°C):

Ingen data tilgjengelige.

Antennelighet (°C):

Ingen data tilgjengelige.

Selvantennelsestemperatur (°C):

Ingen data tilgjengelige.

Nedre og øvre eksplosjonsgrense (% v/v):

Ingen data tilgjengelige.

Løselighet

Løselighet i vann:

Fullt oppløselig

Fordelingskoeffisient (n-octanol/vann) (LogKow):

Ingen data tilgjengelige.

Løselighet i fett (g/L):

Ingen data tilgjengelige.

9.2. Andre opplysninger

Andre fysiske og kjemiske parametere:

Ingen data tilgjengelige.

Oksiderende egenskaper:

Ingen data tilgjengelige.

AVSNITT 10: STABILITET OG REAKTIVITET

10.1. Reaktivitet

Ingen data tilgjengelige.

10.2. Kjemisk stabilitet

Produktet er stabilt under de betingelsene som er angitt i avsnitt 7 om "Håndtering og lagring".

10.3. Risiko for farlige reaksjoner

Ingen kjente

10.4. Forhold som skal unngås

Ingen kjente

10.5. Uforenlige materialer

Sterke syrer, sterke baser, sterke oksideringsmidler og sterke reduksjonsmidler.

10.6. Farlige nedbrytningsprodukter

Under normale oppbevarings- og bruksforhold skal det ikke kunne dannes farlige nedbrytningsprodukter.

AVSNITT 11: TOKSIKOLOGISKE OPPLYSNINGER

11.1. Opplysninger om fareklasser som definert i forordning (EF) nr. 1272/2008

Akutt giftighet

Produkt/bestanddel	hydrogenperoksidløsning ... %
Art:	Rotte
Opptaksvei:	Oral
Test:	LD50
Resultat:	1.193 - 1.270 mg/L

Produkt/bestanddel	hydrogenperoksidløsning ... %
Art:	Kanin
Opptaksvei:	Dermal
Test:	LD50
Resultat:	>2.000 (35% oppløsning) mg/kg

Produkt/bestanddel	1,2-benzisotiazol-3(2H)-on
Art:	Rotte
Opptaksvei:	Oral
Test:	LD50
Resultat:	500 mg/kg

Basert på tilgjengelige data er klassifiseringskriteriene ikke oppfylt.

Hudetsing/hudirritasjon

Produkt/bestanddel	hydrogenperoksidløsning ... %
Resultat:	Negative effekter observert (Irritasjon)

Produkt/bestanddel	1,2-benzisotiazol-3(2H)-on
Testmetode:	OECD 404
Resultat:	Negative effekter observert (Irritasjon)

Basert på tilgjengelige data er klassifiseringskriteriene ikke oppfylt.

Alvorlig øyeskade/øyeirritasjon

Produkt/bestanddel	hydrogenperoksidløsning ... %
Resultat:	Negative effekter observert (Gir alvorlig øyeskade)

Produkt/bestanddel	1,2-benzisotiazol-3(2H)-on
Testmetode:	OECD 405
Resultat:	Negative effekter observert (Gir alvorlig øyeskade)

Basert på tilgjengelige data er klassifiseringskriteriene ikke oppfylt.

Sensibilisering ved innånding

Produkt/bestanddel	hydrogenperoksidløsning ... %
Resultat:	Ingen negative effekter observert (ikke sensibiliserende)

Basert på tilgjengelige data er klassifiseringskriteriene ikke oppfylt.

Sensibilisering ved hudkontakt

Produkt/bestanddel	1,2-benzisotiazol-3(2H)-on
Testmetode:	OECD 429
Art:	Mus
Resultat:	Negative effekter observert (sensibiliserende)

Produkt/bestanddel	1,2-benzisotiazol-3(2H)-on
Testmetode:	OECD 406
Art:	Marsvin
Resultat:	Negative effekter observert (sensibiliserende)

Basert på tilgjengelige data er klassifiseringskriteriene ikke oppfylt.

Arvestoffskadelig virkning på kjønnseller

Basert på tilgjengelige data er klassifiseringskriteriene ikke oppfylt.

Kreftframkallende egenskaper

Produkt/bestanddel	hydrogenperoksidløsning ... %
Konklusjon:	Ingen negative effekter observert

Basert på tilgjengelige data er klassifiseringskriteriene ikke oppfylt.

Reproduksjonstoksisitet

Produkt/bestanddel	hydrogenperoksidløsning ... %
Konklusjon:	Ingen negative effekter observert

Basert på tilgjengelige data er klassifiseringskriteriene ikke oppfylt.

STOT, enkelteksponering

Basert på tilgjengelige data er klassifiseringskriteriene ikke oppfylt.

STOT, gjentatt eksponering

Basert på tilgjengelige data er klassifiseringskriteriene ikke oppfylt.

Aspirasjonsfare

Produkt/bestanddel hydrogenperoksidløsning ... %
Basert på tilgjengelige data er klassifiseringskriteriene ikke oppfylt.

11.2. Opplysninger om andre farer

Langsiktige virkninger

Ingen kjente

Hormonforstyrrende egenskaper

Blandingen/produktet inneholder ingen stoffer som anses å ha hormonforstyrrende egenskaper som kan påvirke helsen.

Andre opplysninger

hydrogenperoksidløsning ... %: Dette stoffet har blitt klassifisert som kreftfremkallende i gruppe 3 av IARC.

AVSNITT 12: ØKOLOGISKE OPPLYSNINGER

12.1. Giftighet

Produkt/bestanddel hydrogenperoksidløsning ... %
Art: Fisk, Pimephales promelas
Varighet: 96 timer
Test: LC50
Resultat: 16,4 mg/L

Produkt/bestanddel hydrogenperoksidløsning ... %
Art: Fisk, Leuciscus idus
Varighet: 72 timer
Test: LC50
Resultat: 35 mg/L

Produkt/bestanddel hydrogenperoksidløsning ... %
Art: Fisk, Oncorhynchus mykiss
Varighet: 7 dager
Test: LC50
Resultat: 38,5 mg/L

Produkt/bestanddel hydrogenperoksidløsning ... %
Art: Daphnia pulex
Varighet: 48 timer
Test: EC50
Resultat: 2,4 mg/L

Produkt/bestanddel hydrogenperoksidløsning ... %
Art: Daphnia magna
Varighet: 24 timer
Test: EC50
Resultat: 7,7 mg/L

Produkt/bestanddel hydrogenperoksidløsning ... %
Art: Skeletonema costatum
Varighet: 72 timer
Test: EC50
Resultat: 1,38 mg/L

Produkt/bestanddel hydrogenperoksidløsning ... %
Testmetode: OECD 209
Art: Bakterie
Miljø: Aktivert slamlegg
Varighet: 30 minutes
Test: EC50
Resultat: 466 mg/L

Produkt/bestanddel	hydrogenperoksidløsning ... %
Testmetode:	OECD 209
Art:	Bakterie
Miljø:	Aktivert slamanlegg
Varighet:	3 timer
Test:	EC50
Resultat:	> 1.000 mg/L

Produkt/bestanddel	1,2-benzisotiazol-3(2H)-on
Art:	Fisk
Varighet:	96 timer
Test:	LC50
Resultat:	>0.1-1 mg/L

Produkt/bestanddel	1,2-benzisotiazol-3(2H)-on
Art:	Krepsdyr
Varighet:	48 timer
Test:	EC50
Resultat:	>0.1-1 mg/L

Produkt/bestanddel	1,2-benzisotiazol-3(2H)-on
Art:	Alge
Varighet:	72 timer
Test:	EC50
Resultat:	>0.1-1 mg/L

Basert på tilgjengelige data er klassifiseringskriteriene ikke oppfylt.

12.2. Persistens og nedbrytbarhet

Produkt/bestanddel	Alcohol, C13, bran., EO, sulfat Na~
Resultat:	> 60 %
Konklusjon:	God biologisk nedbrytbarhet
Test:	OECD 301 B

Produkt/bestanddel	hydrogenperoksidløsning ... %
Konklusjon:	God biologisk nedbrytbarhet

Produkt/bestanddel	1,2-benzisotiazol-3(2H)-on
Resultat:	90%
Konklusjon:	God biologisk nedbrytbarhet
Test:	OECD 302

Tensidet(ene) som inngår i denne blandingen oppfyller kriteriene for biologisk nedbrytning i Forskrift 1. juni 2004 nr. 922 om begrensning i bruk av helse- og miljøfarlige kjemikalier og andre produkter (produktforskriften) (EU regulativ nr. 648/2004). Data som underbygger denne påstanden er tilgjengelige for medlemsstatenes rette myndighet og vil bli gjort tilgjengelige for dem ved direkte forespørsel, eller på forespørsel fra en produsent av vaske- og rengjøringsmidler.

12.3. Bioakkumuleringsevne

Produkt/bestanddel	hydrogenperoksidløsning ... %
LogKow:	-1,57
Konklusjon:	-

Produkt/bestanddel	1,2-benzisotiazol-3(2H)-on
BCF:	2
LogKow:	1.45
Konklusjon:	Potensialet for bioakkumulering er lite

12.4. Mobilitet i jord

Ingen data tilgjengelige.

12.5. Resultater av PBT- og vPvB-vurdering

Blandingen/produktet inneholder ikke noen stoffer som oppfyller kriteriene som klassifiserer dem som PBT og/eller vPvB.

12.6. Hormonforstyrrende egenskaper

Blandingen/produktet inneholder ingen stoffer som anses å ha hormonforstyrrende egenskaper som kan påvirke miljøet.

12.7. Andre skadevirkninger

Ingen kjente

AVSNITT 13: SLUTTBEHANDLING

13.1. Avfallsbehandlingsmetoder

Dette produktet er omfattet av regelverket om farlig avfall. (*)

HP 4 Irriterende (hudirritasjon og øyeskader)

Fraråde tømming i avløp.

Forskrift 1. juni 2004 nr. 930 om gjenvinning og behandling av avfall (avfallsforskriften).

Avfallskode EAL:

20 01 30

Andre rengjøringsmidler enn dem nevnt i 20 01 29

Forurenset emballasje

Emballasje med restinnhold av produktet skal avhendes etter samme bestemmelser som produktet.

AVSNITT 14: TRANSPORTOPPLYSNINGER

	14.1 FN- eller ID-nummer	14.2 FN-forsendelsesnavn	14.3 Transportfareklasse(r)	14.4 Emballasje- gruppe	14.5 Miljøfarer	Annen informasjon:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

Annen informasjon

Ikke farlig gods i henhold til ADR, IATA og IMDG.

14.6. Særlige forsiktighetsregler ved bruk

Ikke relevant.

14.7. Sjøtransport i bulk i henhold til IMO-instrumenter

Ingen data tilgjengelige.

AVSNITT 15: OPPLYSNINGER OM REGELVERK

15.1. Særlige bestemmelser / særskilt lovgivning om sikkerhet, helse og miljø for stoffet eller stoffblandingen

Anvendelsesbegrensninger:

Bare for yrkesbrukere.

Krav om særlig utdanning:

Ingen spesielle krav.

SEVESO - Farekategorier / spesifiserte farlige kjemikalier:

Ikke relevant.

Forskrift om håndtering av utgangsstoffer for eksplosiver:

hydrogenperoksidløsning ... % (Tillegg I)

Etikettering av innhold i overensstemmelse med produktforskriften:

- >5% - <15%
- Ikke-ioniske overflateaktive stoffer
- < 5%
- Anioniske overflateaktive stoffer
- Oksygenbaserte blekemidler
- Parfyme
- Konserveringsmiddel (BENZISOTHIAZOLINONE)

Deklarering av kjemikalier:

Produktet er registreringspliktig i produktregisteret, fordi det inneholder utgangsstoffer for eksplosiver.

Annen informasjon:

Tensidet(ene) som inngår i denne blandingen oppfyller kriteriene for biologisk nedbrytning i Forskrift 1. juni 2004 nr. 922 om begrensning i bruk av helse- og miljøfarlige kjemikalier og andre produkter (produktforskriften) (EU regulativ nr. 648/2004). Data som underbygger denne påstanden er tilgjengelige for medlemsstatenes rette myndighet og vil bli gjort tilgjengelige for dem ved direkte forespørsel, eller på forespørsel fra en produsent av vaske- og rengjøringsmidler.

Kilder:

EUROPAPARLAMENTS- OG RÅDSFORORDNING (EF) nr. 648/2004 av 31. mars 2004 om vaske- og rengjøringsmidler
Forskrift 1. juni 2004 nr. 930 om gjenvinning og behandling av avfall (avfallsforskriften).
Forskrift 2. mai 2015 nr. 588 om håndtering av utgangsstoffer for eksplosiver.
Forskrift 19. mai 2015 nr. 541 om deklareringsforskriften til produktregisteret (deklareringsforskriften).
Forskrift 16. juni 2012 nr. 622 om klassifisering, merking og emballering av stoffer og stoffblandinger (CLP-forskriften).
Forskrift 30. mai 2008 nr. 516 om registrering, vurdering, godkjenning og begrensning av kjemikalier (REACH-forskriften).

15.2. Vurdering av kjemikaliesikkerhet

Nei

AVSNITT 16: ANDRE OPPLYSNINGER

Fullstendig tekst for H-setninger som det refereres til i avsnitt 3

H271, Kan forårsake brann eller eksplosjon; sterkt oksiderende.
H302, Farlig ved svelging.
H314, Gir alvorlige etseskader på hud og øyne.
H315, Irriterer huden.
H318, Gir alvorlig øyeskade.
H319, Gir alvorlig øyeirritasjon.
H332, Farlig ved innånding.
H335, Kan forårsake irritasjon av luftveiene.
H336, Kan forårsake døsighet eller svimmelhet.
H412, Skadelig, med langtidsvirkning, for liv i vann.

Forkortelser og akronymer

ADN/ADNR = Europeisk avtale om internasjonal transport av farlig gods på innenlands vannveier
ADR = Forskrift 1. april 2009 om landtransport av farlig gods
ATE = Akutt toksisitets estimat
BCF = Biokonsentrasjons faktor
CAS = Chemical Abstracts Service
CE = Conformité Européenne
CLP = Klassifisering, merking og innpakning
CSA = Kjemisk sikkerhetsvurdering
CSR = Kjemisk sikkerhetsrapport
DMEL = Oppnådd minimalt effekt nivå
DNEL = Oppnådd ingen effekt nivå
EINECS = Fortegnelse over eksisterende kommersielle kjemiske substanser
ES = Eksponeringsscenario
EUH statement = CLP-spesifikk fareerklæring
EuPCS = Europeisk produktkategoriseringssystem

EWC = Europeisk Avfallskatalog
GHS = Globalt Harmonisert System for Klassifisering og Merking av Kjemikalier
GWP = Potensial for global oppvarming
IATA/ICAO = Internasjonal lufttransport Forening
IBC = Middels Bulk Kontainer
IMDG = Internasjonal Maritim Farlig Gods
LogPow = Logaritmen til fordelingskoeffisienten for oktanol / vann
MARPOL 73/78 = Den Internasjonale Konvensjonen til Forhindring av Marin Forurensning fra Skip, 1973, modifisert i 1978
OECD = Organisasjonen for økonomisk samarbeid og utvikling
PBT = Persistent, Bioakkumulerbar og Giftig
PNEC = Forutsatt ingen effekt konsentrasjon
RID = Forskrift 1. april 2009 om landtransport av farlig gods
RRN = REACH registrerings nummer
SCL = Spesifikk konsentrasjonsgrense.
SVHC = Stoffer med meget høy viktighet
STOT-RE = Giftig mot spesifikt målorgan - Gjentatt eksponering
STOT-SE = Giftig mot spesifikt målorgan - Enkel eksponering
TWA = Tidsvektet gjennomsnittlig
UN = Forenede Nasjoner
UVBC = Ukjent eller variabel sammensetning, komplekse reaksjonsprodukter eller biologiske materialer.
VOC = Flyktig organisk forbindelse
vPvB = Meget persistente og meget bioakkumulerende

Annen informasjon

Ikke relevant.

Sikkerhetsdatablad er validert av

Quality & Compliance

Annet

Endringer i forhold til siste vesentlige revisjon (første siffer i SDS-versjon, se avsnitt 1) av dette sikkerhetsdatablad er markert med en trekant.
Opplysningene i dette sikkerhetsdatabladet gjelder kun produktet nevnt i avsnitt 1 og er ikke nødvendigvis gjeldende ved bruk sammen med andre produkter.
Det anbefales å utlevere dette sikkerhetsdatabladet til den faktiske bruker av produktet. Den nevnte informasjonen kan ikke brukes som produktspesifikasjon.
Land-språk: NO-nb

SAFETY DATA SHEET

i.1 all-purpose cleaner FlexDose

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product identifier

▼ *Trade name:*

i.1 all-purpose cleaner FlexDose

Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses of the substance or mixture:

Washing and cleaning products (including solvent based products)
Restricted to professional users.

Uses advised against :

None known.

Details of the supplier of the safety data sheet

Company and address:

Hygeniq B.V.
Postbus 618
7500 AP Enschede
The Netherlands
+31 53 4282860
+31 53 5393865
www.hygeniq.com

E-mail:

info@hygeniq.com

SDS date:

27/06/2025

SDS Version:

2.0

Date of previous version:

2/06/2025 (1.0)

Emergency telephone number

National Poisons Centre: 0800 764 766 (24 hour service)
See also section 4 "First aid measures"

SECTION 2: HAZARDS IDENTIFICATION

Classification of the substance or mixture

Not classified according to the Hazardous Substances (Hazard Classification) Notice.

Label elements

Hazard pictogram(s):

Not applicable.

Signal word:

Not applicable.

Hazard statement(s):

Not applicable.

Precautionary statement(s):

General:

-

Prevention:

-

Response:

-

Storage:

-

Disposal:

-

Hazardous substances:

Does not contain any substances required to report

Additional labelling:

Not applicable.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Substances

Not applicable. This product is a mixture.

Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
Alcohol, C13, bran., EO, sulfate Na~	CAS No.: 150413-26-6 EC No.: 688-316-0	1-3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 3, H412	
hydrogen peroxide	CAS No.: 7722-84-1 EC No.: 231-765-0	1-3%	Ox. Liq. 1, H271 Acute Tox. 4, H302 Skin Corr. 1A, H314 (SCL: 70.00 %) Skin Corr. 1B, H314 (SCL: 50.00 %) Skin Irrit. 2, H315 (SCL: 35.00 %) Eye Dam. 1, H318 (SCL: 8.00 %) Eye Irrit. 2, H319 (SCL: 5.00 %) Acute Tox. 4, H332 STOT SE 3, H336 (SCL: 35.00 %)	
citroenzuurmonohydraat	CAS No.: 5949-29-1 EC No.: 611-842-9	<0.1%	Eye Irrit. 2, H319	

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information

-

SECTION 4: FIRST AID MEASURES

Description of first aid measures

General information:

In the case of accident: Contact a doctor or casualty department – bring the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

Inhalation:

In case of discomfort: bring the person into fresh air.

Skin contact:

Upon irritation: rinse with water. In the event of continued irritation, seek medical assistance.

Eye contact:

Rinse gently with lukewarm water. Remove any contact lenses if this is easy to do. Continue rinsing. In case of persistent eye irritation or discomfort: Seek medical help.

Ingestion:

Rinse and flush mouth thoroughly and consume large quantities of water. In case of continued discomfort: seek medical assistance and bring this safety data sheet.

Burns:

Not applicable.

Most important symptoms and effects, both acute and delayed

None known.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

Information to medics

Bring this safety data sheet or the label from this product.

SECTION 5: FIREFIGHTING MEASURES

Extinguishing media

Not applicable.

Special hazards arising from the substance or mixture

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

Carbon oxides (CO / CO₂)

Advice for firefighters

No specific requirements.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation, especially in confined areas.

Contaminated areas may be slippery.

Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.

Keep unauthorized persons away from the spill

Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

Reference to other sections

See section 13 "Disposal considerations" on handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling

Smoking, drinking and consumption of food is not allowed in the work area.
See section 8 "Exposure controls/personal protection" for information on personal protection.

Conditions for safe storage, including any incompatibilities

Recommended storage material:

Keep only in original packaging.

Storage conditions:

Dry, cool and well ventilated

Incompatible materials:

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

Specific end use(s)

This product should only be used for applications quoted in section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

hydrogen peroxide

Long term exposure limit (8 hours) (ppm): 1

Long term exposure limit (8 hours) (mg/m³): 1.4

Workplace exposure standards and biological exposure indices. Edition 14, November 2023.

Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

General recommendations:

Smoking, drinking and consumption of food is not allowed in the work area.

Exposure scenarios:

There are no exposure scenarios implemented for this product.

Exposure limits:

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

Appropriate technical measures:

The formation of vapours must be kept at a minimum and below current limit values (see above). Installation of a local exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure eyewash and emergency showers are clearly marked.

Apply standard precautions during use of the product. Avoid inhalation of vapours.

Hygiene measures:

Wash hands after use.

Measures to avoid environmental exposure:

No specific requirements.

Individual protection measures, such as personal protective equipment

Generally:

Use only protective equipment that have been approved by IANZ or NATA, or a laboratory accredited under a recognised Mutual Recognition Arrangement.

Respiratory Equipment:

Type	Class	Colour	Standards	
No special when used				

Type	Class	Colour	Standards	
as intended.				

Skin protection:

Recommended	Type/Category	Standards	
No special when used as intended.	-	-	

Hand protection:

Work situation	Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
	No special when used as intended	-	-	-	
In the event of prolonged exposure or high concentrations	Cotton/Latex	-	> 120	EN374-2, EN16523-1, EN388	

Eye protection:

Work situation	Type	Standards	
	No special when used as intended.	-	
In the event of prolonged exposure or high concentrations	Safety glasses with side shields.	EN166	

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Form:

Liquid

Colour:

Colourless

Odour:

Of perfume

Odour threshold (ppm):

No data available.

pH:

ca. 4.8

Density (g/cm³):

1.02 (20 °C)

Kinematic viscosity:

No data available.

Phase changes

Melting point/Freezing point (°C):

No data available.

Softening point/range (°C):

Does not apply to liquids.

Boiling point (°C):

No data available.

Vapour pressure:

No data available.

Relative vapour density:

No data available.

Decomposition temperature (°C):

No data available.

Evaporation rate (n-butylacetate = 100):

Data on fire and explosion hazards

Flash point (°C):

No data available.

Flammability (°C):

No data available.

Auto-ignition temperature (°C):

No data available.

Explosion limits (% v/v):

No data available.

Solubility

Solubility in water:

Completely soluble

n-octanol/water coefficient (LogKow):

No data available.

Solubility in fat (g/L):

No data available.

Other information

Other physical and chemical parameters:

No data available.

Oxidizing properties:

No data available.

SECTION 10: STABILITY AND REACTIVITY

Reactivity

No data available.

Chemical stability

The product is stable under the conditions, noted in section 7 "Handling and storage".

Possibility of hazardous reactions

None known.

Conditions to avoid

None known.

Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity

Product/substance	hydrogen peroxide
Species:	Rat
Route of exposure:	Oral
Test:	LD50

Result: 1.193 - 1.270 mg/L

Product/substance: hydrogen peroxide
Species: Rabbit
Route of exposure: Dermal
Test: LD50
Result: >2.000 (35% oplossing) mg/kg

Product/substance: 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Species: Rat
Route of exposure: Oral
Test: LD50
Result: 500 mg/kg

Based on available data, the classification criteria are not met.

Skin corrosion/irritation

Product/substance: hydrogen peroxide
Result: Adverse effect observed (Irritating)

Product/substance: 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Test method: OECD 404
Result: Adverse effect observed (Irritating)

Based on available data, the classification criteria are not met.

Serious eye damage/irritation

Product/substance: hydrogen peroxide
Result: Adverse effect observed (Causes serious eye damage)

Product/substance: 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Test method: OECD 405
Result: Adverse effect observed (Causes serious eye damage)

Based on available data, the classification criteria are not met.

Respiratory sensitisation

Product/substance: hydrogen peroxide
Result: No adverse effect observed (not sensitising)

Based on available data, the classification criteria are not met.

Skin sensitisation

Product/substance: 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Test method: OECD 429
Species: Mouse
Result: Adverse effect observed (sensitising)

Product/substance: 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Test method: OECD 406
Species: Guinea pig
Result: Adverse effect observed (sensitising)

Based on available data, the classification criteria are not met.

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Product/substance: hydrogen peroxide
Conclusion: No adverse effect observed

Based on available data, the classification criteria are not met.
hydrogen peroxide has been classified by IARC as a group 3 carcinogen.

Reproductive toxicity

Product/substance: hydrogen peroxide

Conclusion: No adverse effect observed

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Product/substance hydrogen peroxide

Based on available data, the classification criteria are not met.

Long term effects

None known.

SECTION 12: ECOLOGICAL INFORMATION

Toxicity

Product/substance	hydrogen peroxide
Species:	Fish, Pimephales promelas
Duration:	96 hours
Test:	LC50
Result:	16,4 mg/L

Product/substance	hydrogen peroxide
Species:	Fish, Leuciscus idus
Duration:	72 hours
Test:	LC50
Result:	35 mg/L

Product/substance	hydrogen peroxide
Species:	Fish, Oncorhynchus mykiss
Duration:	7 days
Test:	LC50
Result:	38,5 mg/L

Product/substance	hydrogen peroxide
Species:	Daphnia pulex
Duration:	48 hours
Test:	EC50
Result:	2,4 mg/L

Product/substance	hydrogen peroxide
Species:	Daphnia magna
Duration:	24 hours
Test:	EC50
Result:	7,7 mg/L

Product/substance	hydrogen peroxide
Species:	Skeletonema costatum
Duration:	72 hours
Test:	EC50
Result:	1,38 mg/L

Product/substance	hydrogen peroxide
Test method:	OECD 209
Species:	Bacteria
Compartment:	Activated Sludge Plant
Duration:	30 minutes
Test:	EC50

Conforms to the Hazardous Substances (Safety Data Sheets) Notice 2017

Result: 466 mg/L

Product/substance: hydrogen peroxide
Test method: OECD 209
Species: Bacteria
Compartment: Activated Sludge Plant
Duration: 3 hours
Test: EC50
Result: > 1.000 mg/L

Product/substance: 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Species: Fish
Duration: 96 hours
Test: LC50
Result: >0.1-1 mg/L

Product/substance: 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Species: Crustacean
Duration: 48 hours
Test: EC50
Result: >0.1-1 mg/L

Product/substance: 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Species: Algae
Duration: 72 hours
Test: EC50
Result: >0.1-1 mg/L

Based on available data, the classification criteria are not met.

Persistence and degradability

Product/substance: Alcohol, C13, bran., EO, sulfate Na~
Result: > 60 %
Conclusion: Readily biodegradable
Test: OECD 301 B

Product/substance: hydrogen peroxide
Conclusion: Readily biodegradable

Product/substance: 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Result: 90%
Conclusion: Readily biodegradable
Test: OECD 302

Bioaccumulative potential

Product/substance: hydrogen peroxide
LogKow: -1,57
Conclusion: -

Product/substance: 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
BCF: 2
LogKow: 1.45
Conclusion: Potential for bioaccumulation is low

Mobility in soil

No data available.

Results of PBT and vPvB assessment

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

Other adverse effects

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

Dispose of contents/container to an approved waste disposal plant.

Specific labelling

Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: TRANSPORT INFORMATION

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Packing group

** Environmental hazards

Additional information

Not dangerous goods according to ADR, IATA and IMDG.

Special precautions for user

Not applicable.

Transport in bulk according to Annex II of Marpol and the IBC Code

No data available.

SECTION 15: REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

Restrictions for application:

Restricted to professional users.

Demands for specific education:

No specific requirements.

Control of major hazard facilities:

Not applicable.

Additional information:

Not applicable.

New Zealand Inventory of Chemicals (NZIoC):

hydrogen peroxide is listed

1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one is listed

Sources:

Hazardous Substances (Hazard Classification) Notice 2020

Hazardous Substances and New Organisms Act 1996

Chemical safety assessment

No

SECTION 16: OTHER INFORMATION

Full text of H-phrases as mentioned in section 3

H271, May cause fire or explosion; strong oxidiser.
H302, Harmful if swallowed.
H314, Causes severe skin burns and eye damage.
H315, Causes skin irritation.
H318, Causes serious eye damage.
H319, Causes serious eye irritation.
H332, Harmful if inhaled.
H336, May cause drowsiness or dizziness.
H412, Harmful to aquatic life with long lasting effects.

The full text of identified uses as mentioned in section 1

None known.

Abbreviations and acronyms

AS/NZS = Australian New Zealand Standard
ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
CAS = Chemical Abstracts Service
EINECS = European Inventory of Existing Commercial chemical Substances
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
Hazchem = Hazardous chemicals
HSNO = Hazardous Substances and New Organisms Act
IANZ = International Accreditation New Zealand
IARC = International Agency for Research on Cancer
IATA = International Air Transport Association
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
NATA = National Association of Testing Authorities
NZIoC = New Zealand Inventory of Chemicals
OECD = Organisation for Economic Co-operation and Development
PBT = Persistent, Bioaccumulative and Toxic
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
SCL = A specific concentration limit
STEL = Short-term exposure limits
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
STOT-SE = Specific Target Organ Toxicity - Single Exposure
TWA = Time weighted average
UN = United Nations
UVBC = Unknown or variable composition, complex reaction products or of biological materials
VOC = Volatile Organic Compound
vPvB = Very Persistent and Very Bioaccumulative

Additional information

Not applicable.

The safety data sheet is validated by

Quality & Compliance

Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

Country-language: NZ-en

KARTA CHARAKTERYSTYKI

i.1 all-purpose cleaner FlexDose

SEKCJA 1: IDENTYFIKACJA SUBSTANCJI/MIESZANINY I IDENTYFIKACJA PRZEDSIĘBIORSTWA

1.1. Identyfikator produktu

▼ *Nazwa handlowa:*

i.1 all-purpose cleaner FlexDose

1.2. Istotne zidentyfikowane zastosowania substancji lub mieszaniny oraz zastosowania odradzane

Istotne zidentyfikowane zastosowania substancji lub mieszaniny:

Detergenty i środki czyszczące (w tym na bazie rozpuszczalników)

Produkt przeznaczony wyłącznie do użytku zawodowego.

Zastosowania odradzane :

Nie są znane.

1.3. Dane dotyczące dostawcy karty charakterystyki

Dostawca:

Hygeniq B.V.

Postbus 618

7500 AP Enschede

The Netherlands

+31 53 4282860

+31 53 5393865

www.hygeniq.com

Adres email:

info@hygeniq.com

Aktualizacja:

27.06.2025

Wersja karty charakterystyki:

2.0

Data poprzedniego wydania:

2.06.2025 (1.0)

1.4. Numer telefonu alarmowego

Ośrodki zatruć.

Gdańsk: Pomorskie Centrum Toksykologii. Tel: (48) 58 682 04 04

Kraków: Centrum Informacji Toksykologicznej. Tel: (48) 12 411 99 99

Łódź: Krajowe Centrum Informacji o Truciznach. Tel: (48) 42 63 14 724

Warszawa: Warszawskie Centrum Informacji i Kontroli Zatruc. Tel: (48) 22 619 66 54

Wrocław: Dolnośląskie Centrum Informacji Toksykologicznej i Toksykologicznej. Tel: (48) 71 306 44 19

*Europejski numer alarmowy : 112

Patrz sekcja 4 o środkach pierwszej pomocy.

SEKCJA 2: IDENTYFIKACJA ZAGROŻEŃ

2.1. Klasyfikacja substancji lub mieszaniny

Nie sklasyfikowany według rozporządzenia (EC) Nr 1272/2008 (CLP).

2.2. Elementy oznakowania

Piktogram(y) zagrożenia:

Nie dotyczy.

Hasło ostrzegawcze:

Nie dotyczy.

Zwrot wskazujący rodzaj zagrożenia:

Nie dotyczy.

Zwroty wskazujące środki ostrożności:

Ogólne:

-

Zapobieganie:

-

Reagowanie:

-

Przechowywanie:

-

Usuwanie:

-

Zawiera następujące substancje odpowiedzialne za ryzyko zagrożenia zdrowia:

Nie zawiera żadnych substancji objętych nakazem zgłaszania

Informacje uzupełniające na etykiecie:

EUH210, Karta charakterystyki dostępna na żądanie.

Oznakowanie zawartości zgodnie z Rozporządzeniem nr 648/2004 w sprawie detergentów (dotyczy opakowań detergentów przeznaczonych do powszechnego użytku):

>5% - <15%

· Niejonowe środki powierzchniowo czynne

< 5%

· Anionowe środki powierzchniowo czynne

· Związki wybielające na bazie tlenu

· Kompozycje zapachowe

· Środek konserwujący (BENZISOTHIAZOLINONE)

2.3. Inne zagrożenia

Inne ostrzeżenia:

Mieszanina/produkt ten nie zawiera żadnej substancji spełniającej kryteria klasyfikacji jako PBT lub vPvB.

Ten produkt nie zawiera żadnych substancji uważanych za substancje zaburzające gospodarkę hormonalną zgodnie z kryteriami określonymi w Rozporządzeniu Delegowanym Komisji (UE) 2017/2100 lub Rozporządzeniu Komisji (UE) 2023/707.

SEKCJA 3: SKŁAD/INFORMACJA O SKŁADNIKACH

3.1. Substancje

Nie dotyczy. Produkt jest mieszaniną.

3.2. Mieszaniny

Produktu/składnik	Identyfikatory	% w/w	Klasyfikacja	Uwagi
Alcohol, C13, bran., EO, sulfate Na~	Nr. CAS: 150413-26-6 Nr. WE: 688-316-0 REACH: Nr. indeksowy:	1-3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 3, H412	

nadtlenek wodoru, roztwór 35%	Nr. CAS: 7722-84-1 Nr. WE: 231-765-0 REACH: 01-2119485845-22-XXXX Nr. indeksowy: 008-003-00-9	1-3%	Ox. Liq. 1, H271 Acute Tox. 4, H302 Skin Corr. 1A, H314 (SCL: 70,00 %) Skin Corr. 1B, H314 (SCL: 50,00 %) Skin Irrit. 2, H315 (SCL: 35,00 %) Eye Dam. 1, H318 (SCL: 8,00 %) Eye Irrit. 2, H319 (SCL: 5,00 %) Acute Tox. 4, H332 STOT SE 3, H336 (SCL: 35,00 %)	
citroenzuurmonohydraat	Nr. CAS: 5949-29-1 Nr. WE: 611-842-9 REACH: 01-2119457026-42-XXXX Nr. indeksowy:	<0.1%	Eye Irrit. 2, H319	
Disodium tin hexahydroxide	Nr. CAS: 12027-70-2 Nr. WE: 234-724-5 REACH: 01-2120770924-45-XXXX Nr. indeksowy:	<0.05%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	[1]

Pełne sformułowanie zwrotów określających zagrożenia znajduje się w sekcji 16. Limity dopuszczalnych wartości zarażenia zawodowego, jeśli są dostępne, wymienione są w sekcji 8.

Inne informacje

[1] Europejska wartość graniczna narażenia w miejscu pracy.

SEKcja 4: ŚRODKI PIERWSZEJ POMOCY

4.1. Opis środków pierwszej pomocy

Informacje ogólne:

W razie wypadku lub złego samopoczucia skontaktować się z lekarzem lub pogotowiem – zabrać ze sobą etykietę lub niniejszą kartę charakterystyki. Lekarz może się zwrócić do Instytutu Toksykologii w szpitalu.

Jeśli objawy nie ustają, lub jeśli są wątpliwości co do stanu osoby poszkodowanej, trzeba się zwrócić po pomoc lekarską. Nigdy nie podawaj wody ani podobnych płynów osobie nieprzytomnej.

Wdychanie:

W razie problemów z oddychaniem lub podrażnienia dróg oddechowych: Zapewnić poszkodowanemu dostęp do świeżego powietrza i nie pozostawiać go bez nadzoru.

Kontakt ze skórą:

W przypadku podrażnienia: zmyć produkt. Przy przedłużającym się podrażnieniu skontaktować się z lekarzem.

Kontakt z oczami:

W PRZYPADKU DOSTANIA SIĘ DO OCZU: Natychmiast spłukać wodą (20-30 °C) przez przynajmniej 5 minut. Usunąć ewentualne szkła kontaktowe. Zawezwąć lekarza.

Połknięcia:

Jeśli osoba jest przytomna, przepłukać usta wodą i pozostać z nią. W przypadku złego samopoczucia: należy się natychmiast skontaktować z lekarzem i mieć przy sobie niniejszą kartę charakterystyki lub etykietę produktu. Nie należy wywoływać wymiotów, jeśli lekarz tego nie zalecił. Ułożyć głowę nisko, tak, aby w razie wymiotów ich zawartość nie wróciła do ust i gardła.

Oparzenie:

Nie dotyczy.

4.2. Najważniejsze ostre i opóźnione objawy oraz skutki narażenia

Nie są znane.

4.3. Wskazania dotyczące wszelkiej natychmiastowej pomocy lekarskiej i szczególnego postępowania z

poszkodowanym

Leczyć objawowo.

Informacja dla lekarza

Przekazać kartę charakterystyki lub etykietę produktu.

SEKCJA 5: POSTĘPOWANIE W PRZYPADKU POŻARU

5.1. Środki gaśnicze

Nie dotyczy.

5.2. Szczególne zagrożenia związane z substancją lub mieszaniną

W przypadku pożaru powstanie gęsty dym. Wystawienie na działanie produktów rozkładu może być szkodliwe dla zdrowia. Zamknięte pojemniki, które były wystawione na działanie ognia, należy ochłodzić wodą. Nie należy dopuścić, aby woda użyta do gaszenia dostała się do ścieków ani cieków wodnych.

Wystawienie mieszaniny na działanie wysokich temperatur, np. w przypadku pożaru, może spowodować powstawanie niebezpiecznych produktów rozkładu. Są to:

Tlenki węgla (CO / CO₂)

5.3. Informacje dla straży pożarnej

Nie ma specjalnych wymagań.

SEKCJA 6: POSTĘPOWANIE W PRZYPADKU NIEZAMIERZONEGO UWOLNIENIA DO ŚRODOWISKA

6.1. Indywidualne środki ostrożności, wyposażenie ochronne i procedury w sytuacjach awaryjnych

Zapewnić odpowiednią wentylację, szczególnie w przestrzeniach zamkniętych.

Zanieczyszczone powierzchnie mogą być śliskie.

6.2. Środki ostrożności w zakresie ochrony środowiska

Zapobiegać uwalnianiu większych ilości do kanalizacji, wód gruntowych i powierzchniowych.

Nie dopuszczać osób postronnych do miejsca wycieku.

6.3. Metody i materiały zapobiegające rozprzestrzenianiu się skażenia i służące do usuwania skażenia

Ograniczyć i zebrać wyciek za pomocą niepalnego, absorbującego materiału, np. piasku, ziemi, wermikulitu lub ziemi okrzemkowej i umieścić w pojemniku do utylizacji zgodnie z lokalnymi przepisami.

Jeśli to tylko możliwe, czyszczenie należy przeprowadzać za pomocą środków czyszczących. Należy unikać rozpuszczalników.

6.4. Odniesienia do innych sekcji

Postępowanie z odpadami opisane jest w sekcji 13.

Środki ostrożności omówione są w sekcji 8.

SEKCJA 7: POSTĘPOWANIE Z SUBSTANCJAMI I MIESZANINAMI ORAZ ICH MAGAZYNOWANIE

7.1. Środki ostrożności dotyczące bezpiecznego postępowania

Palenie, jedzenie i picie nie są dozwolone podczas używania produktu.

Osobiste środki bezpieczeństwa omawiane są w sekcji „Kontrola narażenia/środki ochrony indywidualnej”.

7.2. Warunki bezpiecznego magazynowania, w tym informacje dotyczące wszelkich wzajemnych niezgodności

Otwarte pojemniki muszą być ponownie uszczelnione i przechowywane pionowo dla uniknięcia wycieków.

Zgodności z opakowaniem:

Przechowywać wyłącznie w oryginalnym opakowaniu.

Warunki przechowywania:

W miejscu suchym, chłodnym i z dobrą cyrkulacją powietrza

Materiały niezgodne:

Silne kwasy, silne zasady, silne utleniacze i silne reduktory.

7.3. Szczegółne zastosowanie(-a) końcowe

Ten produkt powinien być używany zawsze zgodnie z opisem w sekcji 1.2.

SEKCJA 8: KONTROLA NARAŻENIA/ŚRODKI OCHRONY INDYWIDUALNEJ

8.1. Parametry dotyczące kontroli

nadtlenek wodoru, roztwór 35%

Najwyższe dopuszczalne stężenie chwilowe (15 minut) (NDSch) (mg/m³): 0,8

Najwyższe dopuszczalne stężenie (8-godzinne) (NDS) (mg/m³): 0,4

Rozporządzenia Ministra Rodziny, Pracy i Polityki Społecznej z dnia 12 czerwca 2018 r. w sprawie najwyższych dopuszczalnych stężeń i natężeń czynników szkodliwych dla zdrowia w środowisku pracy (Dz.U. 2018 poz. 1286)

DNEL

1,2-benzoizotiazol-3(2H)-on; 1,2-benzoizotiazolin-3-on; 1,2-benzoizotiazolin-3-on

Czas:	Droga narażenia:	DNEL:
Długoterminowo (działanie ogólnoustrojowe-cała populacja)	Naskórnice	0.345 mg/kg
Długoterminowo (działanie ogólnoustrojowe-Pracownicy)	Naskórnice	966 µg/kg/dzień
Długoterminowo (działanie ogólnoustrojowe-cała populacja)	Wziewnie	1.2 mg/m ³
Długoterminowo (działanie ogólnoustrojowe-Pracownicy)	Wziewnie	6.81 mg/m ³

Disodium tin hexahydroxide

Czas:	Droga narażenia:	DNEL:
Długoterminowo (działanie ogólnoustrojowe-cała populacja)	Doustnie	1.21 mg/kg/dzień
Długoterminowo (działanie ogólnoustrojowe-cała populacja)	Naskórnice	1.21 mg/kg/dzień
Długoterminowo (działanie ogólnoustrojowe-Pracownicy)	Naskórnice	3.37 mg/kg/dzień
Długoterminowo (działanie ogólnoustrojowe-cała populacja)	Wziewnie	1.78 mg/m ³
Długoterminowo (działanie ogólnoustrojowe-Pracownicy)	Wziewnie	11.9 mg/m ³

nadtlenek wodoru, roztwór 35%

Czas:	Droga narażenia:	DNEL:
Długoterminowo (działanie miejscowe-cała populacja)	Wziewnie	0,21 mg/m ³
Długoterminowo (działanie miejscowe-cała populacja)	Wziewnie	210 µg/m ³
Długoterminowo (działanie miejscowe-Pracownicy)	Wziewnie	1.4 mg/m ³
Krótkoterminowo (działanie miejscowe-cała populacja)	Wziewnie	1.93 mg/m ³
Krótkoterminowo (działanie miejscowe-Pracownicy)	Wziewnie	3 mg/m ³

PNEC

1,2-benzoizotiazol-3(2H)-on; 1,2-benzoizotiazolin-3-on; 1,2-benzoizotiazolin-3-on

Droga narażenia:	Czas ekspozycji:	PNEC:
Oczyszczalnia ścieków		1.03 mg/L
Osad w wodzie morskiej		4.99 µg/kg
Osad w wodzie słodkiej		49.9 µg/kg
Przerywane uwalnianie (woda morska)		110 ng/L
Przerywane uwalnianie (woda słodka)		1.1 µg/L
Woda morska		403 ng/L
Woda słodka		4.03 µg/L
Ziemia		3 mg/kg

Disodium tin hexahydroxide

Droga narażenia:	Czas ekspozycji:	PNEC:
Oczyszczalnia ścieków		10 mg/L
Osad w wodzie morskiej		139.46 µg/kg
Osad w wodzie słodkiej		1.395 mg/kg
Przerywane uwalnianie (woda morska)		33.1 µg/L
Przerywane uwalnianie (woda słodka)		331 µg/L
Woda morska		3.31 µg/L
Woda słodka		33.1 µg/L

nadtlenek wodoru, roztwór 35%

Droga narażenia:	Czas ekspozycji:	PNEC:
Oczyszczalnia ścieków		4.66 mg/L
Oczyszczalnia ścieków		4.66 mg/L
Osad w wodzie morskiej		0,047 mg/L
Osad w wodzie morskiej		47 µg/kg
Osad w wodzie słodkiej		0,047 mg/kg
Osad w wodzie słodkiej		47 µg/kg
Przerywane uwalnianie (woda słodka)		13.8 µg/L
Woda morska		0,047 mg/L
Woda morska		12.6 µg/L
Woda słodka		0,0126 mg/L
Woda słodka		12.6 µg/L
Ziemia		0,023 mg/kg
Ziemia		2.3 µg/kg

8.2. Kontrola narażenia

Należy regularnie kontrolować przestrzeganie podanych wartości granicznych.

Ogólne zasady postępowania:

Palenie, jedzenie i picie nie są dozwolone podczas używania produktu.

Scenariusze narażenia:

Dla tego produktu nie ma wdrożonych scenariuszy narażenia.

Limity ekspozycji:

Zawodowi użytkownicy objęci są regułami ustawodawstwa o bezpieczeństwie i higienie pracy, dotyczącego maksymalnych stężeń przy ekspozycji. Wartości graniczne - patrz powyżej.

Środki techniczne:

Tworzenie się pary musi być utrzymywane na minimalnych i poniżej aktualnych wartościach granicznych (patrz powyżej). Zaleca się zainstalowanie lokalnego systemu wyciągowego, jeśli normalny przepływ powietrza w pomieszczeniu roboczym jest niewystarczający. Upewnij się, że stacje do przemywania oczu i prysznic są wyraźnie oznaczone.

Stosuj standardowe środki ostrożności podczas użytkowania produktu. Unikaj wdychania oparów.

Zaradcze środki higieniczne:

W każdej przerwie w pracy z produktem oraz po zakończeniu dnia pracy należy umyć odkryte części ciała. Zwracać szczególną uwagę na dłonie, przedramiona i twarz.

Środki ograniczające narażenie środowiska:

Nie ma specjalnych wymagań.

Indywidualne środki ochrony takie jak indywidualne wyposażenie ochronne

Ogólnie:

Używać wyłącznie sprzętu ochronnego z oznakowaniem CE.

Ochronę dróg oddechowych:

Typ	Klasa	Kolor	Normy	
Brak szczególnych wymagań.				

Ochrona skór:

Polecamy	Typu/Kategorii	Normy	
Brak szczególnych przy zwykłym użyciu zgodnie z przeznaczeniem.	-	-	

Ochrona rąk:

Warunki pracy	Materiał	Grubość rękawicy (mm)	Czas wytrzymałości (min.)	Normy	
	Brak szczególnych wymagań.	-	-	-	
W przypadku długotrwałego narażenia lub wysokiego stężenia	Bawełny / Guma naturalna	-	> 120	EN374-2, EN16523-1, EN388	

Ochrona oczu:

Warunki pracy	Typ	Normy	
	Brak szczególnych wymagań.	-	
W przypadku długotrwałego narażenia lub wysokiego stężenia	Noś okulary ochronne z osłonami bocznymi.	EN166	

SEKCJA 9: WŁAŚCIWOŚCI FIZYCZNE I CHEMICZNE

9.1. Informacje na temat podstawowych właściwości fizycznych i chemicznych

Stan skupienia:

Ciekły

Kolor:

Bezbarwny

Zapach / Próg zapachu (ppm):

Perfumowany

pH:

ca. 4.8

Gęstość (g/cm³):

1,02 (20 °C)

Lepkość kinematyczna:

Brak dostępnych danych.

Charakterystyka cząsteczek:

Nie dotyczy cieczy.

Zmiana stanu skupienia i opary

Temperatura topnienia/krzepnięcia (°C):

Brak dostępnych danych.

Temperaturę/zakres mięknięcia (°C):

Nie dotyczy cieczy.

Temperatura wrzenia (°C):

Brak dostępnych danych.

Prężność pary:

Brak dostępnych danych.

Względna gęstość pary :

Brak dostępnych danych.

Temperatura rozkładu (°C):

Brak dostępnych danych.

Dane dotyczące niebezpieczeństwa pożaru i wybuchu

Temperatura zapłonu (°C):

Brak dostępnych danych.

Palność materiałów (°C):

Brak dostępnych danych.

Temperatura samozapłonu (°C):

Brak dostępnych danych.

Granice wybuchowości (obj. %):

Brak dostępnych danych.

Rozpuszczalność

Rozpuszczalność w wodzie:

Całkowicie rozpuszczalny

n-oktanol/woda współczynnik (LogKow):

Brak dostępnych danych.

Rozpuszczalność w tłuszczu (g/L):

Brak dostępnych danych.

9.2. Inne informacje

Inne parametry fizyczne i chemiczne:

Brak dostępnych danych.

Właściwości utleniające:

Brak dostępnych danych.

SEKCJA 10: STABILNOŚĆ I REAKTYWNOŚĆ

10.1. Reaktywność

Brak dostępnych danych.

10.2. Stabilność chemiczna

Przy prawidłowym użytkowaniu i przechowywaniu, zgodnie z sekcją 7 karty, produkt jest stabilny.

10.3. Możliwość występowania niebezpiecznych reakcji

Nie są znane.

10.4. Warunki, których należy unikać

Nie są znane.

10.5. Materiały niezgodne

Silne kwasy, silne zasady, silne utleniacze i silne reduktory.

10.6. Niebezpieczne produkty rozkładu

W normalnych warunkach magazynowania i stosowania niebezpieczne produkty rozpadu nie powinny być wytwarzane.

SEKCJA 11: INFORMACJE TOKSYKOLOGICZNE

11.1. Informacje na temat klas zagrożenia zdefiniowanych w rozporządzeniu (WE) nr 1272/2008

Toksyczność ostra

Produktu/składnik	nadtlenek wodoru, roztwór 35%
Rodzaj:	Szczur
Droga narażenia:	Doustnie
Test:	LD50
Wynik:	1.193 - 1.270 mg/L

Produktu/składnik	nadtlenek wodoru, roztwór 35%
Rodzaj:	Królik
Droga narażenia:	Naskórnice
Test:	LD50
Wynik:	>2.000 (35% oplossing) mg/kg

Produktu/składnik	1,2-benzotiazol-3(2H)-on; 1,2-benzotiazolin-3-on; 1,2-benzotiazolin-3-on
Rodzaj:	Szczur
Droga narażenia:	Doustnie
Test:	LD50
Wynik:	500 mg/kg

W oparciu o dostępne dane, kryteria klasyfikacji nie są spełnione.

Działanie żrące/drażniące na skórę

Produktu/składnik	nadtlenek wodoru, roztwór 35%
Wynik:	Zaobserwowano działania szkodliwe (Drażniący)

Produktu/składnik	1,2-benzotiazol-3(2H)-on; 1,2-benzotiazolin-3-on; 1,2-benzotiazolin-3-on
Metoda badania:	OECD 404
Wynik:	Zaobserwowano działania szkodliwe (Drażniący)

W oparciu o dostępne dane, kryteria klasyfikacji nie są spełnione.

Poważne uszkodzenie oczu/działanie drażniące na oczy

Produktu/składnik	nadtlenek wodoru, roztwór 35%
Wynik:	Zaobserwowano działania szkodliwe (Powoduje poważne uszkodzenie oczu)

Produktu/składnik	1,2-benzotiazol-3(2H)-on; 1,2-benzotiazolin-3-on; 1,2-benzotiazolin-3-on
Metoda badania:	OECD 405
Wynik:	Zaobserwowano działania szkodliwe (Powoduje poważne uszkodzenie oczu)

W oparciu o dostępne dane, kryteria klasyfikacji nie są spełnione.

Działanie uczulające na drogi oddechowe

Produktu/składnik	nadtlenek wodoru, roztwór 35%
Wynik:	Nie zaobserwowano działań szkodliwych (nie uczuła)

W oparciu o dostępne dane, kryteria klasyfikacji nie są spełnione.

Działanie uczulające na skórę

Produktu/składnik	1,2-benzotiazol-3(2H)-on; 1,2-benzotiazolin-3-on; 1,2-benzotiazolin-3-on
Metoda badania:	OECD 429
Rodzaj:	Mysz
Wynik:	Zaobserwowano działania szkodliwe (uczulające)

Produktu/składnik	1,2-benzotiazol-3(2H)-on; 1,2-benzotiazolin-3-on; 1,2-benzotiazolin-3-on
Metoda badania:	OECD 406
Rodzaj:	Świnka morska
Wynik:	Zaobserwowano działania szkodliwe (uczulające)

W oparciu o dostępne dane, kryteria klasyfikacji nie są spełnione.

Działanie mutagenne na komórki rozrodcze

W oparciu o dostępne dane, kryteria klasyfikacji nie są spełnione.

Działanie rakotwórcze

Produktu/składnik	nadtlenek wodoru, roztwór 35%
Wniosek:	Nie zaobserwowano działań szkodliwych

W oparciu o dostępne dane, kryteria klasyfikacji nie są spełnione.

Szkodliwe działanie na rozrodczość

Produktu/składnik nadtlenek wodoru, roztwór 35%
Wniosek: Nie zaobserwowano działań szkodliwych

W oparciu o dostępne dane, kryteria klasyfikacji nie są spełnione.

Działanie toksyczne na narządy docelowe – narażenie jednorazowe

W oparciu o dostępne dane, kryteria klasyfikacji nie są spełnione.

Działanie toksyczne na narządy docelowe – narażenie powtarzane

W oparciu o dostępne dane, kryteria klasyfikacji nie są spełnione.

Zagrożenie spowodowane aspiracją

Produktu/składnik nadtlenek wodoru, roztwór 35%
W oparciu o dostępne dane, kryteria klasyfikacji nie są spełnione.

11.2. Informacje o innych zagrożeniach

Długotrwałe działanie

Nie są znane.

Właściwości zaburzające funkcjonowanie układu hormonalnego

Mieszanina/produkt nie zawiera substancji uznawanych za zaburzające funkcjonowanie układu hormonalnego w odniesieniu do zdrowia.

Inne informacje

nadtlenek wodoru, roztwór 35%: Substancja została zakwalifikowana do grupy 3 wg IARC.

SEKCJA 12: INFORMACJE EKOLOGICZNE

12.1. Toksyczność

Produktu/składnik nadtlenek wodoru, roztwór 35%
Rodzaj: Ryba, Pimephales promelas
Czas: 96 godzin
Test: LC50
Wynik: 16,4 mg/L

Produktu/składnik nadtlenek wodoru, roztwór 35%
Rodzaj: Ryba, Leuciscus idus
Czas: 72 godzin
Test: LC50
Wynik: 35 mg/L

Produktu/składnik nadtlenek wodoru, roztwór 35%
Rodzaj: Ryba, Oncorhynchus mykiss
Czas: 7 dni
Test: LC50
Wynik: 38,5 mg/L

Produktu/składnik nadtlenek wodoru, roztwór 35%
Rodzaj: Daphnia pulex
Czas: 48 godzin
Test: CE50
Wynik: 2,4 mg/L

Produktu/składnik nadtlenek wodoru, roztwór 35%
Rodzaj: Daphnia magna
Czas: 24 godzin
Test: CE50
Wynik: 7,7 mg/L

Produktu/składnik nadtlenek wodoru, roztwór 35%
Rodzaj: Skeletonema costatum

Czas: 72 godzin
Test: CE50
Wynik: 1,38 mg/L

Produktu/składnik: nadtlenek wodoru, roztwór 35%
Metoda badania: OECD 209
Rodzaj: Bakteria
Element środowiska: Aktywowana instalacja z osadem
Czas: 30 minutes
Test: CE50
Wynik: 466 mg/L

Produktu/składnik: nadtlenek wodoru, roztwór 35%
Metoda badania: OECD 209
Rodzaj: Bakteria
Element środowiska: Aktywowana instalacja z osadem
Czas: 3 godzin
Test: CE50
Wynik: > 1.000 mg/L

Produktu/składnik: 1,2-benzotiazol-3(2H)-on; 1,2-benzotiazolin-3-on; 1,2-benzotiazolin-3-on
Rodzaj: Ryba
Czas: 96 godzin
Test: LC50
Wynik: >0.1-1 mg/L

Produktu/składnik: 1,2-benzotiazol-3(2H)-on; 1,2-benzotiazolin-3-on; 1,2-benzotiazolin-3-on
Rodzaj: Skorupiak
Czas: 48 godzin
Test: CE50
Wynik: >0.1-1 mg/L

Produktu/składnik: 1,2-benzotiazol-3(2H)-on; 1,2-benzotiazolin-3-on; 1,2-benzotiazolin-3-on
Rodzaj: Glon
Czas: 72 godzin
Test: CE50
Wynik: >0.1-1 mg/L

W oparciu o dostępne dane, kryteria klasyfikacji nie są spełnione.

12.2. Trwałość i zdolność do rozkładu

Produktu/składnik: Alcohol, C13, bran., EO, sulfate Na~
Wynik: > 60 %
Wniosek: Łatwe uleganie biodegradacji
Test: OECD 301 B

Produktu/składnik: nadtlenek wodoru, roztwór 35%
Wniosek: Łatwe uleganie biodegradacji

Produktu/składnik: 1,2-benzotiazol-3(2H)-on; 1,2-benzotiazolin-3-on; 1,2-benzotiazolin-3-on
Wynik: 90%
Wniosek: Łatwe uleganie biodegradacji
Test: OECD 302

Środek powierzchniowo czynny / środki powierzchniowo czynne zawarte w tym preparacie jest/są zgodny/e z kryteriami podatności na biodegradację zawartymi w dyrektywie (WE) nr 648/2004 dotyczącej detergentów. Dane potwierdzające ten fakt są do dyspozycji właściwych władz państw członkowskich i będą im udostępniane na ich bezpośrednią prośbę lub na prośbę producenta detergentów.

12.3. Zdolność do bioakumulacji

Produktu/składnik: nadtlenek wodoru, roztwór 35%
LogKow: -1,57

Wniosek: -

Produktu/składnik 1,2-benzoizotiazol-3(2H)-on; 1,2-benzoizotiazolin-3-on; 1,2-benzoizotiazolin-3-on
BCF: 2
LogKow: 1.45
Wniosek: Niska zdolność do bioakumulacji

12.4. Mobilność w glebie

Brak dostępnych danych.

12.5. Wyniki oceny właściwości PBT i vPvB

Mieszanina/produkt ten nie zawiera żadnej substancji spełniającej kryteria klasyfikacji jako PBT lub vPvB.

12.6. Właściwości zaburzające funkcjonowanie układu hormonalnego

Mieszanina/produkt nie zawiera substancji uznawanych za zaburzające funkcjonowanie układu endokrynnego w odniesieniu do środowiska.

12.7. Inne szkodliwe skutki działania

Nie są znane.

SEKCJA 13: POSTĘPOWANIE Z ODPADAMI

13.1. Metody unieszkodliwiania odpadów

Pozbywać się zgodnie z miejscowymi i narodowymi dyrektywami dotyczącymi gospodarki odpadów. (*)
HP 4 - Drażniące (działanie drażniące na skórę i powodujące uszkodzenie oczu)
Rozporządzenie Komisji (UE) NR 1357/2014 z dnia 18 grudnia 2014 r. zastępujące załącznik III do dyrektywy Parlamentu Europejskiego i Rady 2008/98/WE w sprawie odpadów oraz uchylającej niektóre dyrektywy. Ustawa z dnia 14.12.2012r. o odpadach, (Dz.U.2013 poz.21). Rozporządzenie Ministra Środowiska z dnia 9.12.2014r. w sprawie katalogu odpadów (Dz.U. 2014 poz. 1923).

Europejski kod odpadu (EWC):
20 01 30 Detergenty inne niż wymienione w 20 01 29

Zanieczyszczone opakowanie

Opakowania zawierające pozostałości produktu należy usuwać w taki sam sposób jak produkt.

SEKCJA 14: INFORMACJE DOTYCZĄCE TRANSPORTU

	14.1 UN / ID	14.2 Prawidłowa nazwa przewozowa UN	14.3 Klasa(-y) zagrożenia w transporcie	14.4 PG*	14.5. Env**	Inne informacje:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Grupa pakowania

** Zagrożenia dla środowiska

Inne

Nie jest niebezpiecznym towarem wg kodeksów ADR, IATA i IMDG

14.6. Szczególne środki ostrożności dla użytkowników

Nie dotyczy.

14.7. Transport morski luzem zgodnie z instrumentami IMO

Brak dostępnych danych.

SEKCJA 15: INFORMACJE DOTYCZĄCE PRZEPISÓW PRAWNYCH

15.1. Przepisy prawne dotyczące bezpieczeństwa, zdrowia i ochrony środowiska specyficzne dla substancji lub

mieszaniny

Ograniczenia użycia:

Produkt przeznaczony wyłącznie do użytku zawodowego.

Wymagania szczególnego wykształcenia:

Nie ma specjalnych wymagań.

SEVESO - Kategorie niebezpiecznych substancji / Wskazane substancje niebezpieczne:

Nie dotyczy.

Rozporządzenie w sprawie prekursorów materiałów wybuchowych:

nadtlenek wodoru, roztwór 35% (Aneks I)

Oznakowanie zawartości zgodnie z Rozporządzeniem nr 648/2004 w sprawie detergentów:

>5% - <15%

· Niejonowe środki powierzchniowo czynne

< 5%

· Anionowe środki powierzchniowo czynne

· Związki wybielające na bazie tlenu

· Kompozycje zapachowe

· Środek konserwujący (BENZISOTHIAZOLINONE)

Inne:

Środek powierzchniowo czynny / środki powierzchniowo czynne zawarte w tym preparacie jest/są zgodny/e z kryteriami podatności na biodegradację zawartymi w dyrektywie (WE) nr 648/2004 dotyczącej detergentów. Dane potwierdzające ten fakt są do dyspozycji właściwych władz państw członkowskich i będą im udostępniane na ich bezpośrednią prośbę lub na prośbę producenta detergentów.

Źródła:

Rozporządzenie (WE) nr 648/2004 Parlamentu Europejskiego i Rady z dnia 31 marca 2004 r. w sprawie detergentów.

Rozporządzenie Komisji (UE) NR 1357/2014 z dnia 18 grudnia 2014 r. zastępujące załącznik III do dyrektywy Parlamentu Europejskiego i Rady 2008/98/WE w sprawie odpadów oraz uchylającej niektóre dyrektywy. Ustawa z dnia 14.12.2012r. o odpadach, (Dz.U.2013 poz.21). Rozporządzenie Ministra Środowiska z dnia 9.12.2014r. w sprawie katalogu odpadów (Dz.U. 2014 poz. 1923).

Rozporządzenie (UE) 2019/1148 w sprawie prekursorów materiałów wybuchowych.

Rozporządzenie Parlamentu Europejskiego i Rady (WE) nr 1272/2008 z dnia 16 grudnia 2008 r. w sprawie klasyfikacji, oznakowania i pakowania substancji i mieszanin (CLP).

Rozporządzenie Ministra Pracy i Polityki Społecznej z dnia 26.09.1997r. w sprawie ogólnych przepisów bezpieczeństwa i higieny pracy. (Dz.U. 2003 nr 169 poz. 1650) z późniejszymi zmianami.

Rozporządzenie Ministra Zdrowia z dnia 30.12.2004 roku w sprawie bezpieczeństwa i higieny pracy związanej z występowaniem w miejscu pracy czynników chemicznych. (Dz. U. z 2005r. Nr 11, poz. 86) z późniejszymi zmianami.

ROZPORZĄDZENIE PARLAMENTU EUROPEJSKIEGO I RADY (UE) 2016/425 z dnia 9 marca 2016 r. w sprawie środków ochrony indywidualnej oraz uchylenia dyrektywy Rady 89/686/EWG.

Ustawa o substancjach i ich mieszaninach z dnia 25.02.2011r. (Dz.U. 2011 nr 63 poz. 322) z późniejszymi zmianami.

Rozporządzenie (WE) nr 1907/2006 PeIR z dnia 18.12.2006r. w sprawie rejestracji, oceny, udzielania zezwoleń i stosowanych ograniczeń w zakresie chemikaliów (REACH), utworzenia Europejskiej Agencji Chemikaliów, zmieniające dyrektywę 1999/45/WE oraz uchylające rozporządzenie Rady (EWG) nr 793/93 i rozporządzenie Komisji (WE) nr 1488/94, jak również dyrektywę Rady 76/769/EWG i dyrektywy Komisji 91/155/EWG, 93/67/EWG, 93/105/WE i 2000/21/WE.

15.2. Ocena bezpieczeństwa chemicznego

Nie

SEKCJA 16: INNE INFORMACJE

Pełne sformułowanie zwrotów ryzyka wymienionych w sekcji 3

H271, Może spowodować pożar lub wybuch; silny utleniacz.

H302, Działa szkodliwie po połknięciu.

H314, Powoduje poważne oparzenia skóry oraz uszkodzenia oczu.

H315, Działa drażniąco na skórę.

H318, Powoduje poważne uszkodzenie oczu.

H319, Działa drażniąco na oczy.
H332, Działa szkodliwie w następstwie wdychania.
H335, Może powodować podrażnienie dróg oddechowych.
H336, Może wywoływać uczucie senności lub zawroty głowy.
H412, Działa szkodliwie na organizmy wodne, powodując długotrwałe skutki.

Skróty i akronimy

ADN = Europejskie Warunki dotyczące Międzynarodowego Przewozu Niebezpiecznych Towarów Wodnymi Drogami Śródlądowymi
ADR = Europejskie Porozumienie dotyczące Międzynarodowych Przewozów Niebezpiecznych Towarów Transportem Drogowym
ATE = Szacunkowa toksyczność ostra
BCF = Współczynnik biokoncentracji
CAS = Chemical Abstract Service (Serwis Wypisów Chemicznych)
CE = Zgodność europejska
CLP = Rozporządzenie dotyczące klasyfikacji, oznakowania i pakowania (Rozporządzenie (WE) nr 1272/2008)
CSA = Ocena bezpieczeństwa chemicznego
CSR = Raport bezpieczeństwa chemicznego
DNEL = Pochodny Poziom Niepowodujący Zmian
EINECS = Europejski Spis Istniejących Substancji Chemicznych Znajdujących się na Rynku
ES = Scenariusz narażenia
EUH statement = CLP Zwrot wskazujący rodzaj zagrożenia
EuPCS = Europejski system klasyfikacji produktów
EWC = Europejski Katalog Odpadów
GHS = Globalnie Zharmonizowany System Klasyfikacji i Oznakowania Chemikaliów
GWP = Współczynnik globalnego ocieplenia
IATA = Międzynarodowe Zrzeszenie Przewoźników Powietrznych
IBC = Intermediate Bulk Container
IMDG = Międzynarodowy Morski Kod Towarów Niebezpiecznych
LogPow = logarytm współczynnika podziału oktanolu/wody
MARPOL = Międzynarodowa Konwencja Zapobiegania Zanieczyszczeniom ze Statków, 1973 modyfikowana Protokołem z roku 1978 (Marpol = zanieczyszczenia morskie)
NDS = średniej ważonej w czasie
OECD = Organizacja Współpracy Ekonomicznej i Rozwoju
PBT = Trwały, wykazujący zdolność do bioakumulacji i toksyczny
PNEC = Przewidywane Stężenie Niepowodujące Zmian w Środowisku
RID = Regulamin dla międzynarodowego przewozu kolejami towarów niebezpiecznych
RRN = Numer rejestracyjny REACH
SCL = Specyficzne stężenie.
SVHC = Substancja wzbudzająca poważne obawy
STOT-RE = Toksyczność docelowa specyficznego narządu - powtarzalne narażenie
STOT-SE = Toksyczność docelowa specyficznego narządu - jednorazowe narażenie
UN = Organizacja Narodów Zjednoczonych (ONZ)
UVCB = Oznacza substancje o nieznanym lub zmiennym składzie, złożone produkty reakcji lub materiały biologiczne.
VOC = Lotny związek organiczny
vPvB = Bardzo trwałe i wykazujące bardzo dużą zdolność do bioakumulacji

Inne

Nie dotyczy.

Karta charakterystyki została zatwierdzona przez

Quality & Compliance

Inne

Zmiany w stosunku do ostatniej aktualizacji (pierwsza cyfra w wersji karty SDS, sekcji 1) tej karty charakterystyki są oznakowane trójkątami.
Informacje zawarte w niniejszej karcie charakterystyki odnoszą się tylko do produktu wymienionego w sekcji 1 i mogą nie być aktualne w odniesieniu do użycia razem z innymi produktami.
Zaleca się dostarczenie niniejszej karty charakterystyki faktycznemu użytkownikowi produktu. Wymienione informacje nie mogą być używane jako specyfikacja produktu.
Kraj-język: PL-pl

SAFETY DATA SHEET

i.1 all-purpose cleaner FlexDose

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

SDS created for QATAR according to GHS

1.1. Product identifier

▼ *Trade name:*

i.1 all-purpose cleaner FlexDose

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses of the substance or mixture:

Washing and cleaning products (including solvent based products)

Restricted to professional users.

Uses advised against :

None known.

1.3. Details of the supplier of the safety data sheet

Company and address:

Hygeniq B.V.

Postbus 618

7500 AP Enschede

The Netherlands

+31 53 4282860

+31 53 5393865

www.hygeniq.com

E-mail:

info@hygeniq.com

SDS date:

27/06/2025

SDS Version:

2.0

Date of previous version:

02/06/2025 (1.0)

1.4. Emergency telephone number

Contact the local emergency services.

See section 4 "First aid measures".

SECTION 2: HAZARDS IDENTIFICATION

Classified according to GHS.

2.1. Classification of the substance or mixture

Skin Irrit. 3; H316, Causes mild skin irritation

2.2. Label elements

Hazard pictogram(s):

Not applicable.

Signal word:

Warning

Hazard statement(s):

Causes mild skin irritation (H316)

Precautionary statement(s):

General:

-

Prevention:

-

Response:

If skin irritation occurs: Get medical advice/attention. (P332+P313)

Storage:

-

Disposal:

-

Hazardous substances:

Does not contain any substances required to report

Additional labelling:

Not applicable.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable. This product is a mixture.

3.2. Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
Alcohol, C13, bran., EO, sulfate Na~	CAS No.: 150413-26-6 EC No.: 688-316-0	1-3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 3, H412	
hydrogen peroxide	CAS No.: 7722-84-1 EC No.: 231-765-0	1-3%	Ox. Liq. 1, H271 Acute Tox. 4, H302 Skin Corr. 1A, H314 (SCL: 70.00 %) Skin Corr. 1B, H314 (SCL: 50.00 %) Skin Irrit. 2, H315 (SCL: 35.00 %) Eye Dam. 1, H318 (SCL: 8.00 %) Eye Irrit. 2, H319 (SCL: 5.00 %) Acute Tox. 4, H332 STOT SE 3, H336 (SCL: 35.00 %)	
citroenzuurmonohydraat	CAS No.: 5949-29-1 EC No.: 611-842-9	<0.1%	Eye Irrit. 2, H319	

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information

-

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General information:

In the case of accident: Contact a doctor or casualty department – bring the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

Inhalation:

Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

Skin contact:

Remove contaminated clothing and shoes immediately. Ensure to wash exposed skin thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or thinners.

Eye contact:

If in eyes: Flush eyes with water or saline water (20-30 °C) for at least 5 minutes. Remove contact lenses. Seek medical assistance and continue flushing during transport.

Ingestion:

If the person is conscious, rinse the mouth with water and stay with the person. Never give the person anything to drink.

In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the person lean forward with head down to avoid inhalation of or choking on vomited material.

Burns:

Not applicable.

4.2. Most important symptoms and effects, both acute and delayed

None known.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

Information to medics

Bring this safety data sheet or the label from this product.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Not applicable.

5.2. Special hazards arising from the substance or mixture

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

Carbon oxides (CO / CO₂)

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact the national poisons emergency services in order to obtain further advice.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Contaminated areas may be slippery.

6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.

Keep unauthorized persons away from the spill

6.3. Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.
Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections

See section 13 "Disposal considerations" on handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Smoking, drinking and consumption of food is not allowed in the work area.

See section 8 "Exposure controls/personal protection" for information on personal protection.

7.2. Conditions for safe storage, including any incompatibilities

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Recommended storage material:

Keep only in original packaging.

Storage conditions:

Dry, cool and well ventilated

Incompatible materials:

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

No substances are listed with an occupational exposure limit.

8.2. Exposure controls

Apply general control to prevent unnecessary exposure

General recommendations:

Smoking, drinking and consumption of food is not allowed in the work area.

Exposure scenarios:

There are no exposure scenarios implemented for this product.

Exposure limits:

Occupational exposure limits have not been defined for the substances in this product.

Appropriate technical measures:

Apply standard precautions during use of the product. Avoid inhalation of vapours.

Hygiene measures:

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Pay special attention to hands, forearms and face.

Measures to avoid environmental exposure:

No specific requirements.

Individual protection measures, such as personal protective equipment

Generally:

Use only CE marked protective equipment.

Respiratory Equipment:

Type	Class	Colour	Standards	
No special when used as intended.				

Skin protection:

Recommended	Type/Category	Standards	
No special when used as intended.	-	-	

Hand protection:

Work situation	Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
	No special when used as intended	-	-	-	
In the event of prolonged exposure or high concentrations	Cotton/Latex	-	> 120	EN374-2, EN16523-1, EN388	

Eye protection:

Work situation	Type	Standards	
	No special when used as intended.	-	
In the event of prolonged exposure or high concentrations	Safety glasses with side shields.	EN166	

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Form:

Liquid

Colour:

Colourless

Odour:

Of perfume

Odour threshold (ppm):

No data available.

pH:

ca. 4.8

Density (g/cm³):

1.02 (20 °C)

Kinematic viscosity:

No data available.

Particle characteristics:

Does not apply to liquids.

Phase changes

Melting point/Freezing point (°C):

No data available.

Softening point/range (°C):

Does not apply to liquids.

Boiling point (°C):

No data available.

Vapour pressure:

No data available.

Relative vapour density:

No data available.

Decomposition temperature (°C):

No data available.

Evaporation rate (n-butylacetate = 100):

Data on fire and explosion hazards

Flash point (°C):

No data available.

Flammability (°C):

No data available.

Auto-ignition temperature (°C):

No data available.

Explosion limits (% v/v):

No data available.

Solubility

Solubility in water:

Completely soluble

n-octanol/water coefficient (LogKow):

No data available.

Solubility in fat (g/L):

No data available.

9.2. Other information

No data available.

Other physical and chemical parameters:

No data available.

Oxidizing properties:

No data available.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

10.2. Chemical stability

The product is stable under the conditions, noted in section 7 "Handling and storage".

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity

Product/substance	hydrogen peroxide
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	1.193 - 1.270 mg/L

Product/substance	hydrogen peroxide
Species:	Rabbit
Route of exposure:	Dermal
Test:	LD50
Result:	>2.000 (35% oplossing) mg/kg

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	500 mg/kg

Based on available data, the classification criteria are not met.

Skin corrosion/irritation

Product/substance	hydrogen peroxide
Result:	Adverse effect observed (Irritating)

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Test method:	OECD 404
Result:	Adverse effect observed (Irritating)

Based on available data, the classification criteria are not met.

Serious eye damage/irritation

Product/substance	hydrogen peroxide
Result:	Adverse effect observed (Causes serious eye damage)

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Test method:	OECD 405
Result:	Adverse effect observed (Causes serious eye damage)

Based on available data, the classification criteria are not met.

Respiratory sensitisation

Product/substance	hydrogen peroxide
Result:	No adverse effect observed (not sensitising)

Based on available data, the classification criteria are not met.

Skin sensitisation

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Test method:	OECD 429
Species:	Mouse
Result:	Adverse effect observed (sensitising)

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Test method:	OECD 406
Species:	Guinea pig
Result:	Adverse effect observed (sensitising)

Based on available data, the classification criteria are not met.

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Product/substance	hydrogen peroxide
Conclusion:	No adverse effect observed

Based on available data, the classification criteria are not met.

hydrogen peroxide has been classified by IARC as a group 3 carcinogen.

Reproductive toxicity

Product/substance	hydrogen peroxide
Conclusion:	No adverse effect observed

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Product/substance hydrogen peroxide

Based on available data, the classification criteria are not met.

Long term effects

None known.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Product/substance	hydrogen peroxide
Species:	Fish, Pimephales promelas
Duration:	96 hours
Test:	LC50
Result:	16,4 mg/L

Product/substance	hydrogen peroxide
Species:	Fish, Leuciscus idus
Duration:	72 hours
Test:	LC50
Result:	35 mg/L

Product/substance	hydrogen peroxide
Species:	Fish, Oncorhynchus mykiss
Duration:	7 days
Test:	LC50
Result:	38,5 mg/L

Product/substance	hydrogen peroxide
Species:	Daphnia pulex
Duration:	48 hours
Test:	EC50
Result:	2,4 mg/L

Product/substance	hydrogen peroxide
Species:	Daphnia magna
Duration:	24 hours
Test:	EC50
Result:	7,7 mg/L

Product/substance	hydrogen peroxide
Species:	Skeletonema costatum
Duration:	72 hours
Test:	EC50
Result:	1,38 mg/L

Product/substance	hydrogen peroxide
Test method:	OECD 209
Species:	Bacteria
Compartment:	Activated Sludge Plant
Duration:	30 minutes
Test:	EC50
Result:	466 mg/L

According to GHS Rev. 8, 2019

Product/substance	hydrogen peroxide
Test method:	OECD 209
Species:	Bacteria
Compartment:	Activated Sludge Plant
Duration:	3 hours
Test:	EC50
Result:	> 1.000 mg/L
Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Species:	Fish
Duration:	96 hours
Test:	LC50
Result:	>0.1-1 mg/L
Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Species:	Crustacean
Duration:	48 hours
Test:	EC50
Result:	>0.1-1 mg/L
Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Species:	Algae
Duration:	72 hours
Test:	EC50
Result:	>0.1-1 mg/L

Based on available data, the classification criteria are not met.

12.2. Persistence and degradability

Product/substance	Alcohol, C13, bran., EO, sulfate Na~
Result:	> 60 %
Conclusion:	Readily biodegradable
Test:	OECD 301 B

Product/substance	hydrogen peroxide
Conclusion:	Readily biodegradable

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Result:	90%
Conclusion:	Readily biodegradable
Test:	OECD 302

12.3. Bioaccumulative potential

Product/substance	hydrogen peroxide
LogKow:	-1,57
Conclusion:	-

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
BCF:	2
LogKow:	1.45
Conclusion:	Potential for bioaccumulation is low

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

12.6. Other adverse effects

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

Dispose of contents/container to an approved waste disposal plant.

Specific labelling

Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: TRANSPORT INFORMATION

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Packing group

** Environmental hazards

Additional information

Not dangerous goods according to ADR, IATA and IMDG.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

No data available.

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Restrictions for application:

Restricted to professional users.

Demands for specific education:

No specific requirements.

Additional information:

Not applicable.

Sources:

Globally Harmonized System of Classification and Labelling of Chemicals (GHS Rev. 8, 2019)

15.2. Chemical safety assessment

No

SECTION 16: OTHER INFORMATION

Full text of H-phrases as mentioned in section 3

H271, May cause fire or explosion; strong oxidiser.

H302, Harmful if swallowed.

H314, Causes severe skin burns and eye damage.

H315, Causes skin irritation.

H318, Causes serious eye damage.

H319, Causes serious eye irritation.
H332, Harmful if inhaled.
H336, May cause drowsiness or dizziness.
H412, Harmful to aquatic life with long lasting effects.

The full text of identified uses as mentioned in section 1

None known.

Abbreviations and acronyms

ACGIH = American Conference of Governmental Industrial Hygienists
ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway
ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
CAS = Chemical Abstracts Service
CERCLA = Comprehensive Environmental Response Compensation and Liability Act
DOT = Department of Transportation
EINECS = European Inventory of Existing Commercial chemical Substances
EPCRA = Emergency Planning and Community Right-To-Know Act
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
HCIS = Hazardous Chemical Information System
HNOC = Hazards Not Otherwise Classified
IARC = International Agency for Research on Cancer
IATA = International Air Transport Association
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
NFPA = National Fire Protection Association
NIOSH = National Institute for Occupational Safety and Health
OECD = Organisation for Economic Co-operation and Development
OSHA = Occupational Safety and Health Administration
PBT = Persistent, Bioaccumulative and Toxic
RCRA = Resource Conservation and Recovery Act
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
RRN = REACH Registration Number
SARA = Superfund Amendments and Reauthorization Act
SCL = A specific concentration limit.
STEL = Short-term exposure limits
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
STOT-SE = Specific Target Organ Toxicity - Single Exposure
TSCA = The Toxic Substances Control Act
TWA = Time weighted average
UN = United Nations
UVBC = Unknown or variable composition, complex reaction products or of biological materials
VOC = Volatile Organic Compound
vPvB = Very Persistent and Very Bioaccumulative

Additional information

Not applicable.

The safety data sheet is validated by

Quality & Compliance

Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

Country-language: QA-en

FIȘĂ CU DATE DE SECURITATE

i.1 all-purpose cleaner FlexDose

SECȚIUNEA 1: IDENTIFICAREA SUBSTANȚEI/AMESTECULUI ȘI A SOCIETĂȚII/ÎNȚREPRINDERII

1.1. Element de identificare a produsului

▼ *Nume comercial:*

i.1 all-purpose cleaner FlexDose

1.2. Utilizări relevante identificate ale substanței sau ale amestecului și utilizări contraindicate

Utilizări de identificare relevante ale substanței sau amestecurilor:

Detergenți și agenți de curățare (inclusiv cei pe bază de solvenți)

Utilizare limitată numai în scopuri profesionale.

Utilizați împotriva:

Nimeni familiar.

1.3. Detalii privind furnizorul fișei cu date de securitate

Companie și adresă:

Hygeniq B.V.

Postbus 618

7500 AP Enschede

The Netherlands

+31 53 4282860

+31 53 5393865

www.hygeniq.com

E-mail:

info@hygeniq.com

Revizuire:

27.06.2025

Versiune SDS:

2.0

Data emiterii anterioare:

02.06.2025 (1.0)

1.4. Număr de telefon care poate fi apelat în caz de urgență

BIROUL PT REGULAMENTUL SANITAR INTERNATIONAL SI INFORMARE TOXICOLOGICA: (+40) 21 599 2300

Vedeți secțiunea 4 - Măsuri de prim ajutor

SECȚIUNEA 2: IDENTIFICAREA PERICOLELOR

2.1. Clasificarea substanței sau a amestecului

Neclasificat în conformitate cu Regulamentul (CE) Nr. 1272/2008 (CLP).

2.2. Elemente pentru etichetă

Pictograma periculoasă:

Nu este aplicabil.

Cuvânt de semnal:

Nu este aplicabil.

Declarație periculoasă:

Nu este aplicabil.

Fraze de precauție:

General:

-

Prevenire:

-

Raspuns:

-

Stocare:

-

Aruncare:

-

Identitatea substanțelor ce sunt responsabile pentru majoritatea pericolelor de sănătate.:

Nu conține substanțe necesare pentru a raporta

Etichetare adițională:

EUH210, Fișa cu date de securitate disponibilă la cerere.

Etichetarea conținutului în conformitate cu Regulamentul privind detergenții 648/2004 (aplicabil ambalajelor detergenților vânduți publicului larg):

>5% - <15%

· Agenți tensioactivi neionici

< 5%

· Agenți tensioactivi anionici

· Agenți de înălbire pe bază de oxigen

· Parfumuri

· Conservant (BENZISOTHIAZOLINONE)

2.3. Alte pericole

Avertismente adiționale:

Acest amestec/produs nu conține nicio substanță care îndeplinește criteriile de clasificare ca PBT și/sau vPvB.

Acest produs nu conține substanțe considerate a fi perturbatoare endocrine în conformitate cu criteriile incluse în Regulamentul Delegat al Comisiei (UE) 2017/2100 sau Regulamentul Comisiei (UE) 2023/707.

SECȚIUNEA 3: COMPOZIȚIE/INFORMAȚII PRIVIND COMPONENTII

3.1. Substanțe

Nu este aplicabil. Acest produs este un amestec.

3.2. Amestecuri

Produs/ingredient	Identificatori	% w/w	Clasificare	Notițe
Alcohol, C13, bran., EO, sulfat Na~	Nr. CAS: 150413-26-6 Nr. CE: 688-316-0 REACH: Nr. de index:	1-3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 3, H412	
peroxid de hydrogen, solutie 35%	Nr. CAS: 7722-84-1 Nr. CE: 231-765-0 REACH: 01-2119485845-22-XXXX Nr. de index: 008-003-00-9	1-3%	Ox. Liq. 1, H271 Acute Tox. 4, H302 Skin Corr. 1A, H314 (SCL: 70,00 %) Skin Corr. 1B, H314 (SCL: 50,00 %) Skin Irrit. 2, H315 (SCL: 35,00 %) Eye Dam. 1, H318 (SCL: 8,00 %) Eye Irrit. 2, H319 (SCL: 5,00 %) Acute Tox. 4, H332 STOT SE 3, H336 (SCL: 35,00 %)	

citroenzuurmonohydraat	Nr. CAS: 5949-29-1 Nr. CE: 611-842-9 REACH: 01-2119457026-42-XXXX Nr. de index:	<0.1%	Eye Irrit. 2, H319	
Disodium tin hexahydroxide	Nr. CAS: 12027-70-2 Nr. CE: 234-724-5 REACH: 01-2120770924-45-XXXX Nr. de index:	<0.05%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	[1]

Vedeți textul complet al frazelor H în secțiunea 16. Limitele de expunere ocupaționale sunt listate în secțiunea 8, dacă sunt disponibile.

Alte informații

[1] Limita de expunere profesională în Europa.

SECȚIUNEA 4: MĂSURI DE PRIM AJUTOR

4.1. Descrierea masurilor de prim ajutor

Informații generale:

În cazul accidentului contactați imediat doctorul sau departamentul în cauză. Luați cu dvs. Eticheta sau dateșe de siguranță.

Contactați un doctor, dacă aveți dubii cu privire la condițiile persoanei rănite sau dacă simptomele continuă.

Niciodată nu oferiți unei persoane inconștientă apă sau produse similare.

Inhalare:

La dificultăți de respirație sau iritații ale tractului respirator: Scoateți persoana la aer curat și rămâneți cu ea.

Contact cu pielea:

În caz de iritație, clătiți produsul. În cazul unei iritații continue, apelați imediat la asistență medicală.

Contactul cu ochii:

ÎN CAZ DE CONTACT CU OCHII: Clătiți ochii cu apă sau apă de mare (20-30 °C) pentru cel puțin 5 minute.

Îndepărtați lentilele de contact. Apelați la asistență medicală și continuați să vă clătiți pe drum.

Înghițire:

Dacă persoana este conștientă, clătiți-i gura cu apă și rămâneți cu persoana respectivă. Dacă persoana nu se simte bine, contactați imediat doctorul și luați datele de siguranță sau eticeta produsului cu dvs. Nu induceți vomitarea decât dacă acest lucru este recomandat de doctor. Țineți capul în jos astfel încât voma să nu intre înapoi în gură și gât.

Arsuri:

Nu este aplicabil.

4.2. Cele mai importante simptome și efecte, atât acute, cât și întârziate

Nimeni familial.

4.3. Indicații privind orice fel de asistență medicală imediată și tratamentele speciale necesare

Tratați simptomatic.

Informații pentru medici

Aduceți fișă cu date de securitate și eticheta materialului cu dvs.

SECȚIUNEA 5: MĂSURI DE COMBATERE A INCENDIILOR

5.1. Mijloace de stingere a incendiilor

Nu este aplicabil.

5.2. Pericole speciale cauzate de substanța sau de amestecul în cauză

Focul va rezulta într-un fum gros. Expunerea la produsele catabolice pot dăuna sănătății. Containerele închise ce sunt expuse la foc trebuie să fie răcite cu apă. Nu lăsați apa din extincătoare de foc să intre în containere și alți curenți de apă.

Dacă produsul este expus la temperaturi ridicate, precum focul, sunt produse substanțe catabolice periculoase.

Acestea sunt

Oxizi de carbon (CO / CO₂)

5.3. Recomandari destinate pompierilor

Nu există cerințe specifice.

SECȚIUNEA 6: MĂSURI DE LUAT ÎN CAZ DE DISPERSIE ACCIDENTALĂ

6.1. Precauții personale, echipament de protecție și proceduri de urgență

Zonele contaminate pot fi alunecoase.

6.2. Precauții pentru mediul înconjurător

Evitați descărcarea în lacuri, ape curgătoare, canale colectoare, etc.

Țineți persoanele neautorizate departe de deversare.

6.3. Metode și material pentru izolarea incendiilor și pentru curățenie

Opriti și colectați scurgerile cu material necombustibil, absorbant, de ex. nisip, pământ, vermiculită sau pământ de diatomee, și puneți-le într-un recipient pentru eliminare în conformitate cu reglementările locale.

Curățarea trebuie să fie făcută cât mai departe posibil utilizând agenți de curățare. Nu utilizați solvenți.

6.4. Trimitere la alte secțiuni

Vedeți secțiunea 13 Considerații privind eliminarea - pentru manipularea deșeurilor.

Vedeți secțiunea 8 Controale ale expunerii/protecția personală măsuri de protecție.

SECȚIUNEA 7: MANIPULAREA ȘI DEPOZITAREA

7.1. Precauții pentru manipularea în condiții de securitate

Fumatul, consumul alimentelor și lichidelor, și stocarea tutunului, alimentelor și lichidelor nu este permisă în zonele de lucru.

Vedeți secțiunea Controale ale expunerii/protecția personală pentru informații privind măsuri de protecție personală.

7.2. Condiții de depozitare în condiții de securitate, inclusiv eventuale incompatibilități

Containerele care au fost deschise trebuie să fie eliberate cu atenție și menținute drepte pentru a preveni scurgerile.

Compatibilitățile privind ambalarea:

A se păstra numai în ambalajul original.

Condiții de depozitare:

Uscată, răcoroasă și bine ventilată

Materiale incompatibile:

Acizi puternici, baze puternice, agenți de oxidare puternici, și agenți de reducere puternici

7.3. Utilizare (utilizari) finala (finale) specifica (specifice)

Acest produs trebuie să fie utilizat doar pentru aplicarea descrisă în secțiunea 1.2.

SECȚIUNEA 8: CONTROALE ALE EXPUNERII/PROTECȚIA PERSONALĂ

8.1. Parametri de control

Produsul nu conține nicio substanță menționată în lista de substanțe cu o limită de expunere profesională, valabilă în România.

DNEL

1,2-benzotiazol-3(2H)-onă; 1,2-benzisotiazolin-3-onă; 1,2-benzisotiazolin-3-ona

Durata:	Ruta expunerii:	DNEL:
Termen lung - efecte sistemice - lucrători	Epidermică	966 µg/kg/zi

Este conform cu Regulamentul (CE) nr. 1907/2006 (REACH), Anexa II, amendată prin Regulamentul (UE) nr. 2020/878

Termen lung - efecte sistemice - populație generală	Epidermică	0.345 mg/kg
Termen lung - efecte sistemice - lucrători	Inhalare	6.81 mg/m ³
Termen lung - efecte sistemice - populație generală	Inhalare	1.2 mg/m ³

Disodium tin hexahydroxide

Durata:	Ruta expunerii:	DNEL:
Termen lung - efecte sistemice - lucrători	Epidermică	3.37 mg/kg/zi
Termen lung - efecte sistemice - populație generală	Epidermică	1.21 mg/kg/zi
Termen lung - efecte sistemice - lucrători	Inhalare	11.9 mg/m ³
Termen lung - efecte sistemice - populație generală	Inhalare	1.78 mg/m ³
Termen lung - efecte sistemice - populație generală	Orală	1.21 mg/kg/zi

peroxid de hydrogen, solutie 35%

Durata:	Ruta expunerii:	DNEL:
Termen lung - efecte locale - lucrători	Inhalare	1.4 mg/m ³
Termen lung - efecte locale - populație generală	Inhalare	0.21 mg/m ³
Termen lung - efecte locale - populație generală	Inhalare	210 µg/m ³
Termen scurt - efecte locale - lucrători	Inhalare	3 mg/m ³
Termen scurt - efecte locale - populație generală	Inhalare	1.93 mg/m ³

PNEC

1,2-benzotiazol-3(2H)-onă; 1,2-benzisotiazolin-3-onă; 1,2-benzisotiazolin-3-ona

Ruta expunerii:	Durata expunerii:	PNEC:
Apă de mare		403 ng/L
Apă dulce		4.03 µg/L
Eliberare intermitentă (apă de mare)		110 ng/L
Eliberare intermitentă (apă dulce)		1.1 µg/L
Sedimente de apă de mare		4.99 µg/kg
Sedimente de apă dulce		49.9 µg/kg
Sol		3 mg/kg
Stație de epurare a apelor uzate		1.03 mg/L

Disodium tin hexahydroxide

Ruta expunerii:	Durata expunerii:	PNEC:
Apă de mare		3.31 µg/L
Apă dulce		33.1 µg/L
Eliberare intermitentă (apă de mare)		33.1 µg/L
Eliberare intermitentă (apă dulce)		331 µg/L
Sedimente de apă de mare		139.46 µg/kg
Sedimente de apă dulce		1.395 mg/kg
Stație de epurare a apelor uzate		10 mg/L

peroxid de hydrogen, solutie 35%

Ruta expunerii:	Durata expunerii:	PNEC:
Apă de mare		0.047 mg/L
Apă de mare		12.6 µg/L
Apă dulce		0.0126 mg/L

Apă dulce		12.6 µg/L
Eliberare intermitentă (apă dulce)		13.8 µg/L
Sedimente de apă de mare		0,047 mg/L
Sedimente de apă de mare		47 µg/kg
Sedimente de apă dulce		0,047 mg/kg
Sedimente de apă dulce		47 µg/kg
Sol		0,023 mg/kg
Sol		2.3 µg/kg
Stație de epurare a apelor uzate		4.66 mg/L
Stație de epurare a apelor uzate		4.66 mg/L

8.2. Controale ale expunerii

Controlați aplicarea în general pentru a preveni expunerea inutilă.

Recomandări generale:

Fumatul, consumul alimentelor și lichidelor, și stocarea tutunului, alimentelor și lichidelor nu este permisă în zonele de lucru.

Scenariile de expunere:

Nu există scenarii de expunere implementate pentru acest produs

Limite expunere:

Dacă nu există limite maxime de expunere pentru substanțe conținute în acest produs.

Măsuri tehnice corespunzătoare:

Aplicați măsurile standard de precauție în timpul utilizării produsului. Evitați inhalarea vaporilor.

Măsuri de igienă:

Atunci când doriți să luați o pauză de la utilizarea acestui produs sau când ați terminat, toate zonele corpului expuse trebuie să fie spălate. Acordați o atenție deosebită mâinilor, antebrățelor și feței.

Măsuri pentru evitarea expunerii la mediu:

Nu există cerințe specifice.

Măsuri de protecție individuale, cum ar fi echipamente de protecție personale

General:

Utilizați doar echipamentele de protecție marcate CE

Echipament de respirație:

Tipul	Clasa	Culoare	Standardele	
Nu este special dacă este utilizat după scop				

Protecția pielii:

Recomandat	Tip/Categoria	Standardele	
Nu este special dacă este utilizat după scop	-	-	

Protecția mâinii:

Situație de lucru	Material	Grosimea minimă a stratului (mm)	Timpul de perforare (min.)	Standardele	
	Nu este special dacă este utilizat după scop	-	-	-	
În cazul expunerii prelungite sau al concentrațiilor ridicate	Bumbac / Cauciuc natural (latex)	-	> 120	EN374-2, EN16523-1, EN388	

Protecția ochilor:

Situație de lucru	Tipul	Standardele	
	Nu este special dacă este utilizat după scop	-	
În cazul expunerii prelungite sau al concentrațiilor ridicate	Purtați ochelari cu protecție laterală.	EN166	

SECȚIUNEA 9: PROPRIETĂȚILE FIZICE ȘI CHIMICE

9.1. Informații privind proprietățile fizice și chimice de bază

Forma:

Lichid

Culoare:

Incolor

Parfum / Pragul de acceptare a mirosului (ppm):

De parfum

pH:

ca. 4.8

Densitate (g/cm³):

1,02 (20 °C)

Viscozitatea cinematică:

Nu există date disponibile.

Caracteristicile particulei:

Nu se aplică lichidelor.

Modificari fizice

Punctul de topire/punctul de înghețare (°C):

Nu există date disponibile.

Punctul / intervalul de înmuiere (°C):

Nu se aplică lichidelor.

Punct de fierbere (°C):

Nu există date disponibile.

Presiune vaporică:

Nu există date disponibile.

Densitatea relativă a vaporilor:

Nu există date disponibile.

Temperatura de descompunere (°C):

Nu există date disponibile.

Date privind focul și pericolele de explozie

Temperatura de aprindere (°C):

Nu există date disponibile.

Inflamabilitatea (°C):

Nu există date disponibile.

Temperatura de autoaprindere (°C):

Nu există date disponibile.

Limite expunere (Vol%):

Nu există date disponibile.

Solubilitate

Solubilitate în apă:

Complet solubil

n-octanol/ coeficient apa (LogKow):

Nu există date disponibile.

Solubilitate în grasimi (g/L):

Nu există date disponibile.

9.2. Alte informații

Alți parametri fizici și chimici:

Nu există date disponibile.

Proprietăți oxidante:

Nu există date disponibile.

SECȚIUNEA 10: STABILITATE ȘI REACTIVITATE

10.1. Reactivitate

Nu există date disponibile.

10.2. Stabilitate chimică

Produsul este stabil în conformitate cu condițiile, notate în secțiunea 7 "Manipularea și depozitarea"

10.3. Posibilitatea de reacții periculoase

Nimeni familiar.

10.4. Condiții de evitat

Nimeni familiar.

10.5. Materiale incompatibile

Acizi puternici, baze puternice, agenți de oxidare puternici, și agenți de reducere puternici

10.6. Produși de descompunere periculoși

În condiții normale de depozitare și utilizare, nu ar trebui să se genereze produși de descompunere periculoși.

SECȚIUNEA 11: INFORMAȚII TOXICOLOGICE

11.1. Informații privind clasele de pericol definite în Regulamentul (CE) nr. 1272/2008

Toxicitate acută

Produs/ingredient	peroxid de hydrogen, solutie 35%
Specii:	Șobolan
Ruta expunerii:	Orală
Test:	LD50
Rezultat:	1.193 - 1.270 mg/L

Produs/ingredient	peroxid de hydrogen, solutie 35%
Specii:	Iepure
Ruta expunerii:	Epidermică
Test:	LD50
Rezultat:	>2.000 (35% oplossing) mg/kg

Produs/ingredient	1,2-benzizotiazol-3(2H)-onă; 1,2-benzisotiazolin-3-onă; 1,2-benzisotiazolin-3-ona
Specii:	Șobolan
Ruta expunerii:	Orală
Test:	LD50
Rezultat:	500 mg/kg

Pe baza datelor disponibile, criteriile de clasificare nu sunt îndeplinite.

Coroziunea/ iritația pielii

Produs/ingredient	peroxid de hydrogen, solutie 35%
Rezultat:	Se observă efecte adverse (Iritant)

Produs/ingredient	1,2-benzizotiazol-3(2H)-onă; 1,2-benzisotiazolin-3-onă; 1,2-benzisotiazolin-3-ona
Metoda de testare:	OECD 404
Rezultat:	Se observă efecte adverse (Iritant)

Pe baza datelor disponibile, criteriile de clasificare nu sunt îndeplinite.

Daune serioase ale ochilor/ iritație

Produs/ingredient	peroxid de hydrogen, solutie 35%
Rezultat:	Se observă efecte adverse (Provoacă leziuni oculare grave)

Produs/ingredient	1,2-benzizotiazol-3(2H)-onă; 1,2-benzisotiazolin-3-onă; 1,2-benzisotiazolin-3-ona
Metoda de testare:	OECD 405
Rezultat:	Se observă efecte adverse (Provoacă leziuni oculare grave)

Pe baza datelor disponibile, criteriile de clasificare nu sunt îndeplinite.

Sensibilizarea căilor respiratorii

Produs/ingredient	peroxid de hydrogen, solutie 35%
Rezultat:	Nu se observă efecte adverse (nesensibilizând)

Pe baza datelor disponibile, criteriile de clasificare nu sunt îndeplinite.

Sensibilizarea pielii

Produs/ingredient	1,2-benzizotiazol-3(2H)-onă; 1,2-benzisotiazolin-3-onă; 1,2-benzisotiazolin-3-ona
Metoda de testare:	OECD 429
Specii:	Șoarece
Rezultat:	Se observă efecte adverse (sensibilizante)

Produs/ingredient	1,2-benzizotiazol-3(2H)-onă; 1,2-benzisotiazolin-3-onă; 1,2-benzisotiazolin-3-ona
Metoda de testare:	OECD 406
Specii:	Cobai
Rezultat:	Se observă efecte adverse (sensibilizante)

Pe baza datelor disponibile, criteriile de clasificare nu sunt îndeplinite.

Mutație celule embrioni

Pe baza datelor disponibile, criteriile de clasificare nu sunt îndeplinite.

Cancerigenitate

Produs/ingredient	peroxid de hydrogen, solutie 35%
Concluzie:	Nu se observă efecte adverse

Pe baza datelor disponibile, criteriile de clasificare nu sunt îndeplinite.

Toxicitate reproductiva

Produs/ingredient	peroxid de hydrogen, solutie 35%
Concluzie:	Nu se observă efecte adverse

Pe baza datelor disponibile, criteriile de clasificare nu sunt îndeplinite.

Expunere singulara STOT

Pe baza datelor disponibile, criteriile de clasificare nu sunt îndeplinite.

Expunere repetata STOT

Pe baza datelor disponibile, criteriile de clasificare nu sunt îndeplinite.

Aspirare periculoasa

Produs/ingredient	peroxid de hydrogen, solutie 35%
Pe baza datelor disponibile, criteriile de clasificare nu sunt îndeplinite.	

11.2. Informații privind alte pericole

Efecte pe termen lung

Nimeni familiar.

Proprietăți de perturbator endocrin

Acest amestec/produs nu conține nicio substanță considerată a avea proprietăți de perturbare hormonală în ceea ce privește sănătatea.

Alte informații

peroxid de hydrogen, solutie 35%: Substanța a fost clasificată în grupa 3 de către IARC.

SECȚIUNEA 12: INFORMAȚII ECOLOGICE

12.1. Toxicitatea

Produs/ingredient peroxid de hydrogen, solutie 35%
Specii: Pește, Pimephales promelas
Durata: 96 ore
Test: LC50
Rezultat: 16,4 mg/L

Produs/ingredient peroxid de hydrogen, solutie 35%
Specii: Pește, Leuciscus idus
Durata: 72 ore
Test: LC50
Rezultat: 35 mg/L

Produs/ingredient peroxid de hydrogen, solutie 35%
Specii: Pește, Oncorhynchus mykiss
Durata: 7 de zile
Test: LC50
Rezultat: 38,5 mg/L

Produs/ingredient peroxid de hydrogen, solutie 35%
Specii: Daphnia pulex
Durata: 48 ore
Test: EC50
Rezultat: 2,4 mg/L

Produs/ingredient peroxid de hydrogen, solutie 35%
Specii: Daphnia magna
Durata: 24 ore
Test: EC50
Rezultat: 7,7 mg/L

Produs/ingredient peroxid de hydrogen, solutie 35%
Specii: Skeletonema costatum
Durata: 72 ore
Test: EC50
Rezultat: 1,38 mg/L

Produs/ingredient peroxid de hydrogen, solutie 35%
Metoda de testare: OECD 209
Specii: Bacterii
Compartimentul de mediu: Stație de nămoluri uzate
Durata: 30 minutes
Test: EC50
Rezultat: 466 mg/L

Produs/ingredient peroxid de hydrogen, solutie 35%
Metoda de testare: OECD 209
Specii: Bacterii
Compartimentul de mediu: Stație de nămoluri uzate
Durata: 3 ore
Test: EC50
Rezultat: > 1.000 mg/L

Produs/ingredient 1,2-benzizotiazol-3(2H)-onă; 1,2-benzisotiazolin-3-onă; 1,2-benzisotiazolin-3-ona
Specii: Pește
Durata: 96 ore

Test: LC50
Rezultat: >0.1-1 mg/L

Produs/ingredient 1,2-benzizotiazol-3(2H)-onă; 1,2-benzisotiazolin-3-onă; 1,2-benzisotiazolin-3-ona
Specii: Crustacee
Durata: 48 ore
Test: EC50
Rezultat: >0.1-1 mg/L

Produs/ingredient 1,2-benzizotiazol-3(2H)-onă; 1,2-benzisotiazolin-3-onă; 1,2-benzisotiazolin-3-ona
Specii: Alge
Durata: 72 ore
Test: EC50
Rezultat: >0.1-1 mg/L

Pe baza datelor disponibile, criteriile de clasificare nu sunt îndeplinite.

12.2. Persistența și degradabilitatea

Produs/ingredient Alcohol, C13, bran., EO, sulfat Na~
Rezultat: > 60 %
Concluzie: Biodegradabilitate rapidă
Test: OECD 301 B

Produs/ingredient peroxid de hydrogen, soluție 35%
Concluzie: Biodegradabilitate rapidă

Produs/ingredient 1,2-benzizotiazol-3(2H)-onă; 1,2-benzisotiazolin-3-onă; 1,2-benzisotiazolin-3-ona
Rezultat: 90%
Concluzie: Biodegradabilitate rapidă
Test: OECD 302

Agentul/Agenții tensioactiv(i) conținut(ți) în acest preparat corespunde/corespund criteriilor de biodegradabilitate prevăzute de Reglementarea (CE) Nr.648/2004 privind detergenții. Datele care susțin această afirmație sunt ținute la dispoziția autorităților competente ale Statelor Membre și le vor fi furnizate la cererea directă a acestora sau la cererea unui producător de detergenți.

12.3. Potențialul de bioacumulare

Produs/ingredient peroxid de hydrogen, soluție 35%
LogKow: -1,57
Concluzie: -

Produs/ingredient 1,2-benzizotiazol-3(2H)-onă; 1,2-benzisotiazolin-3-onă; 1,2-benzisotiazolin-3-ona
BCF: 2
LogKow: 1.45
Concluzie: Potențialul de bioacumulare este scăzut

12.4. Mobilitatea în sol

Nu există date disponibile.

12.5. Rezultatele evaluărilor PBT și vPvB

Acest amestec/produs nu conține nicio substanță care îndeplinește criteriile de clasificare ca PBT și/sau vPvB.

12.6. Proprietăți de perturbator endocrin

Acest amestec/produs nu conține nicio substanță considerată a avea proprietăți de perturbare a sistemului endocrin în raport cu mediul.

12.7. Alte efecte adverse

Nimeni familial.

SECȚIUNEA 13: CONSIDERAȚII PRIVIND ELIMINAREA

13.1. Metode de tratare a deșeurilor

Acest produs este acoperit de regulamentele privind deșeurile periculoase. (*)
HP 4 - Iritante (iritarea pielii și leziuni oculare)
Regulamentul (UE) NR. 1357/2014 al Comisiei din 18 decembrie 2014 privind deșeurile.

Cod EWC:
20 01 30 Detergenți, alții decât cei de la 20 01 29

Ambalare contaminată

Pachetele ce conțin resturi din produse trebuie dispuse în același loc ca și produsul.

SECȚIUNEA 14: INFORMAȚII REFERITOARE LA TRANSPORT

	14.1 ONU	14.2 Denumirea corectă ONU pentru expediție	14.3 Clasa (clasele) de pericol pentru transport	14.4 PG*	14.5. Env**	Alte informații:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Grupul de ambalare

** Pericole pentru mediul înconjurător

Informații adiționale

Nu sunt listate bunuri periculoase în conformitate cu ADR, IATA și regulamentele IMDG.

14.6. Precauții speciale pentru utilizatori

Nu este aplicabil.

14.7. Transportul maritim în vrac în conformitate cu instrumentele OMI

Nu există date disponibile.

SECȚIUNEA 15: INFORMAȚII DE REGLEMENTARE

15.1. Regulamente/legislație în domeniul securității, al sănătății și al mediului specifice (specifică) pentru substanța sau amestecul în cauză

Restricții pentru aplicare:

Utilizare limitată numai în scopuri profesionale.

Cerințe pentru instruire corespunzătoare:

Nu există cerințe specifice.

SEVESO - Categoriile de substanțe periculoase / Denumirea substanțelor periculoase:

Nu este aplicabil.

Regulamentul privind precursorilor de explozivi:

peroxid de hidrogen, soluție 35% (Anexa I)

Etichetarea conținutului în conformitate cu Regulamentul privind detergenții 648/2004:

>5% - <15%

· Agenți tensioactivi neionici

< 5%

· Agenți tensioactivi anionici

· Agenți de înălbire pe bază de oxigen

· Parfumuri

· Conservant (BENZISOTHIAZOLINONE)

Informații adiționale:

Agentul/Agenții tensioactiv(i) conținut(ți) în acest preparat corespunde/corespund criteriilor de biodegradabilitate prevăzute de Reglementarea (CE) Nr.648/2004 privind detergenții. Datele care susțin această afirmație sunt ținute la dispoziția autorităților competente ale Statelor Membre și le vor fi furnizate la cererea directă a acestora sau la cererea unui producător de detergenți.

Surse:

Regulamentul (CE) nr. 648/2004 al Parlamentului European și al Consiliului din 31 martie 2004 privind detergenții.
Regulamentul (UE) NR. 1357/2014 al Comisiei din 18 decembrie 2014 privind deșeurile.
Regulamentul (UE) 2019/1148 privind precursorilor de explozivi.
Regulamentul (CE) nr. 1272/2008 al Parlamentului European și al Consiliului din 16 decembrie 2008 privind clasificarea, etichetarea și ambalarea substanțelor și a amestecurilor (CLP).
Regulamentul (CE) nr. 1907/2006 al Parlamentului European și al Consiliului din 18 decembrie 2006 privind înregistrarea, evaluarea, autorizarea și restricționarea substanțelor chimice (REACH).

15.2. Evaluarea securității chimice

Nu

SECȚIUNEA 16: ALTE INFORMAȚII

Textul complet al frazelor H sunt menționate în secțiunea 3.

H271, Poate provoca un incendiu sau o explozie; oxidant puternic.
H302, Nociv în caz de înghițire.
H314, Provoacă arsuri grave ale pielii și lezarea ochilor.
H315, Provoacă iritarea pielii.
H318, Provoacă leziuni oculare grave.
H319, Provoacă o iritare gravă a ochilor.
H332, Nociv în caz de inhalare.
H335, Poate provoca iritarea căilor respiratorii.
H336, Poate provoca somnolență sau amețeală.
H412, Nociv pentru mediul acvatic cu efecte pe termen lung.

Abrevieri și acronime

ADN = Prevederile Europene privind Transportul Internațional de Mărfuri Periculoase pe Ape Continentale
ADR = Acordul European privind Transportul Internațional Rutier de Mărfuri Periculoase
TAE = Toxicitate Acută Estimată
FBC = Factor de Bioconcentrație
CAS = Serviciul de Catalogare al Chimicalelor
CE = Conformité Européenne
CLP = Regulamentul privind Clasificarea, Etichetarea și Ambalarea [Regulamentul (CE) Nr. 1272/2008
COV = Compus Organic Volatil
CSA = Evaluare privind Siguranța Chimică
CSR = Raport privind Siguranța Chimică
DNEL = Nivel Fără Efect
EINECS = Inventarul European al Substanțelor Chimice Existente pe piață
ES = Scenariu de Expunere
specificare EUH = specificare privind pericolul specifică CLP
EuPCS = Sistemul european de clasificare a produselor
EWC = Catalog European pentru Deșeuri
GHS = Sistem Global Harmonizat al Clasificării și Etichetării Chimicalelor
GWP = Potențialul de încălzire globală
IATA = Asociația Internațională a Transportului Aerian
IBC = Container Intermediar Vrac IMDG = Internațional Maritim Mărfuri Periculoase
LogPow = logaritm al octanolului/coeficient al partiției apei
MARPOL 73/78 = Convenția Internațională pentru Prevenirea Poluării provenite de la Nave, 1973 așa cum a fost modificată prin Protocolul din 1978 ("Marpol" = poluare marină)
OECD = Organizația pentru Cooperarea Economică și Dezvoltare
PBT = Persistent, Biocumulativ și Toxic
PNEC = Concentrație Prevăzută Fără Efect
RID = Regulamentul privind Transportul Internațional Feroviar al Mărfurilor Periculoase
RRN = Număr Înregistrare REACH
SCL = Concentrație specifică.
SVHC = Substanțe de Foarte Mare Îngrijorare
STOT-RE = Toxicitate Organ Țintă Specifică - Expunere Repetată
STOT-SE = Toxicitate Organ Țintă Specifică - Expunere Unică
VLA = Medie cântărită în timp

UN = Națiunile Unite

UVCB = compoziție necunoscută sau variabilă, produse cu reacție complexă sau cu materiale biologice

vPvB = Foarte Persistent și Foarte Biocumulativ

Informații adiționale

Nu este aplicabil.

Fișă cu date de securitate este validată de

Quality & Compliance

Altele

O modificare (în proporție cu ultima modificare esențială (primul cifru din versiunea SDS) este marcată cu un triunghi. Informațiile din fișă de securitate se aplică doar acestui produs specific (menționat în secțiunea 1) și nu este în mod necesar corect pentru utilizarea altor chimicale/ produse.

Este recomandat să predeați fișă cu date de securitate actualului utilizator al produsului. Informații cu privire la această fișă nu pot fi folosite ca și specificațiile produsului.

Țară-limbă: RO-ro

БЕЗБЕДНОСНИ ЛИСТ

i.1 all-purpose cleaner FlexDose

ПОГЛАВЉЕ 1. ИДЕНТИФИКАЦИЈА ХЕМИКАЛИЈЕ И ПОДАЦИ О ЛИЦУ КОЈЕ СТАВЉА ХЕМИКАЛИЈУ У ПРОМЕТ

1.1. Идентификација хемикалије

▼ Комерцијално име:

i.1 all-purpose cleaner FlexDose

1.2. Идентификовани начини коришћења хемикалије и начини коришћења који се не препоручују

Употреба материјала/смеше:

Детерџенти и средства за чишћење (укључујући и оне на бази растварача)

Дозвољено само за професионално коришћење.

Употребе које се не препоручују:

Нема познатих.

1.3. Подаци о снабдевачу

Компанија и адреса:

Hygeniq B.V.

Postbus 618

7500 AP Enschede

The Netherlands

+31 53 4282860

+31 53 5393865

www.hygeniq.com

Електронска адреса:

info@hygeniq.com

Датум безбедносног листа:

27.6.2025.

Верзија безбедносног листа:

2.0

Датум претходне верзије:

2.6.2025. (1.0)

1.4. Број телефона за хитне случајеве

Телефонски број хитне помоћ: 194

Дежурни токсиколог (24 сата дневно): +381 (11) 360 84 40

Центар за контролу тровања на ВМА, тел: +381 (11) 266 11 22, +381 (11) 266 27 55

Такође погледајте поглавље 4 за мере прве помоћи.

ПОГЛАВЉЕ 2. ИДЕНТИФИКАЦИЈА ОПАСНОСТИ

2.1. Класификација хемикалије

Није класификовано у складу са уредбом (ЕЗ) бр. 1272/2008 (CLP).

2.2. Елементи обележавања

Пиктограм опасности:

Није применљиво.

Реч упозорења:

Није применљиво.

Обавештење о опасности:

Није применљиво.

Обавештење о мерама предострожности:

Опште:

-

Превенција:

-

Реаговање:

-

Складиштење:

-

Одлагање:

-

Опасне материје:

Не садржи никакве супстанце које је потребно пријавити

Додатно обавештење о опасности:

EUN210, Безбедносни лист доступан на захтев.

Означаванје садржана према ПРАВИЛНИК о детергентима (примењује се на амбалажу детерџента који се продају широј јавности):

>5% - <15%

· Нејонски сурфактанти

< 5%

· Анјонски сурфактанти

· Избељивачи на бази кисеоника

· Мириси

· Конзерванси (BENZISOTHIAZOLINONE)

2.3. Остале опасности

Додатна упозорења:

Ова смеша/производ не садржи супстанце за које се сматра да испуњавају критеријуме да буду класификовани као ПБТ и/или вПвБ.

Овај производ не садржи материје које се сматрају ендокриним дисрумпторима у складу са критеријумима наведеним у Делегираној уредби Комисије (ЕУ) 2017/2100 или Уредби Комисије (ЕУ) 2023/707.

ПОГЛАВЉЕ 3. САСТАВ / ПОДАЦИ О САСТОЈЦИМА

3.1. Подаци о састојцима супстанце

Није применљиво. Овај производ је микстура.

3.2. Подаци о састојцима смеше

Хемијски назив	CAS / EC / индекса / REACH број	% w/w	Класификација	Напомена
Alcohol, C13, bran., EO, sulfate Na~	CAS бр.: 150413-26-6 EC бр.: 688-316-0 REACH: Индекс бр. :	1-3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 3, H412	
hydrogen peroxide	CAS бр.: 7722-84-1 EC бр.: 231-765-0 REACH: 01-2119485845-22-XXXX Индекс бр. : 008-003-00-9	1-3%	Ox. Liq. 1, H271 Acute Tox. 4, H302 Skin Corr. 1A, H314 (SCL: 70,00 %) Skin Corr. 1B, H314 (SCL: 50,00 %) Skin Irrit. 2, H315 (SCL: 35,00 %)	

			Eye Dam. 1, H318 (SCL: 8,00 %) Eye Irrit. 2, H319 (SCL: 5,00 %) Acute Tox. 4, H332 STOT SE 3, H336 (SCL: 35,00 %)	
citroenzuurmonohydraat	CAS бр.: 5949-29-1 EC бр.: 611-842-9 REACH: 01-2119457026-42-XXXX Индекс бр. :	<0.1%	Eye Irrit. 2, H319	
Disodium tin hexahydroxide	CAS бр.: 12027-70-2 EC бр.: 234-724-5 REACH: 01-2120770924-45-XXXX Индекс бр. :	<0.05%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	[1]

Погледајте потпуни текст X-израза у поглавље 16. Границе изложености током рада наведене су у поглавље 8, ако су доступне.

Остали подаци

[1] Европска граница изложености током рада.

ПОГЛАВЉЕ 4. МЕРЕ ПРВЕ ПОМОЋИ

4.1. Опис мера прве помоћи

Опште информације:

Уколико је дисање неправилно, и јављају се поспаност, губитак свести или грчеви: Позовите 194 и одмах почните са мерама помоћи (прва помоћ).

Ако имате сумње у вези са стањем повређене особе или ако симптоми потрају, обратите се лекару. Никад несвесној особи немојте давати воду или неко друго пиће.

После удисања:

Потешкоће са дисањем или иритација дисајних путева: Изведите особу на свеж ваздух и останите уз њу.

У додиру са кожом:

У случају иритације: исперите водом. У случају упорне иритације, потражите лекарску помоћ.

Након контакта са очима:

АКО ДОСПЕ У ОЧИ: Испирајте очи водом или сланом водом (20-30 °C) најмање 5 минута. Извадите контактна сочива. Потражите помоћ лекара и наставите са испирањем током транспорта.

Након гутања:

Ако је особа при свести, исперите уста водом и останите уз особу. У случају слабости, одмах потражите лекарску помоћ и донесите безбедносни лист или етикету са производа. Не изазивајте повраћање, осим ако то лекар не препоручи. Жртва би требало да се нагне напред са главом окренутом на доле како би избегла удисање или гушење садржајем повраћања.

Сагоревањем:

Није применљиво.

4.2. Најважнији симптоми и ефекти, акутни и одложени

Нема познатих.

4.3. Хитна медицинска помоћ и посебан третман

Третирајте симптоматски.

Информације за здравствене раднике

Донесите безбедносно упутство .

ПОГЛАВЉЕ 5. МЕРЕ ЗА ГАШЕЊЕ ПОЖАРА

5.1. Средства за гашење пожара

Није применљиво.

5.2. Посебне опасности које могу настати од супстанци и смеша

Пожар ће довести до стварања густог дима. Излагање запалјивим производима може наштетити вашем здрављу. Затворене посуде изложене ватри требало би охладити водом. Не дозволите да вода за гашење пожара доспе у канализацију и оближње површинске токове.

Уколико је производ изложен високим температурама, нпр. у случају пожара, настају опасна јединиња као резултат његовог распадања. То су:

Угљени оксиди (CO / CO₂)

5.3. Савет за ватрогасце

Нема посебних захтева.

ПОГЛАВЉЕ 6. МЕРЕ У СЛУЧАЈУ УДЕСА

6.1. Личне предострожности, заштитна опрема и поступци у случају удеса

Контаминирани простор може бити клизав.

6.2. Предострожности које се односе на животну средину

Избегавајте испуштање у језера, потоке, канализације итд.

Неовлашћене особе држите подаље од изливања.

6.3. Мере које треба предузети и материјал за спречавање ширења и санацију

Користите песак, земљу, вермикулит, диятомейску земљу да бисте задржали и купили незапалјиве упијајуће материјале и ставите у контејнер за одлагање, у складу са локалним прописима.

Чишћење се у мери у којој је то могуће обавља нормалним средствима за чишћење. Избегавајте употребу растварача.

6.4. Упућивање на друга поглавља

Погледајте поглавље 13 „Одлагање” у вези са поступком за отпад.

За заштитне мере погледајте поглавље 8 „Контрола изложености и лична заштита”.

ПОГЛАВЉЕ 7. РУКОВАЊЕ И СКЛАДИШТЕЊЕ

7.1. Предострожности за безбедно руковање

Пушење, и конзумирање хране и пића нису дозвољени у радном простору.

За информације о личној заштити погледајте поглавље „Контрола изложености и лична заштита”.

7.2. Услови за безбедно складиштење, укључујући некомпатибилности

Отворени контејнери се морају пажљиво затворити и држати исправно како би се спречило цурење.

Препоручени материјал за складиштење:

Чувати само у оригиналној амбалажи.

Услови складиштења:

Суво, хладно и добро проветравано

Некомпатибилни материјали:

Јаке киселине, јаке базе, јака оксидациона средства и јака редукциона средства.

7.3. Посебни начини коришћења

Овај производ би требало користити само за примене наведене у поглавље 1.2

ПОГЛАВЉЕ 8. КОНТРОЛА ИЗЛОЖЕНОСТИ И ЛИЧНА ЗАШТИТА

8.1. Параметри контроле изложености

На националној листи супстанци са ограничењем у погледу изложености током рада није наведена ниједна

супстанца.

DNEL

1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one

Трајање:	Пут експозиције:	DNEL:
Дугорочно - Системски - Потрошач	Дерматолошки	0.345 mg/kg
Дугорочно - Системски - Радник	Дерматолошки	966 µg/kg/дан
Дугорочно - Системски - Потрошач	Инхалацијски	1.2 mg/m ³
Дугорочно - Системски - Радник	Инхалацијски	6.81 mg/m ³

Disodium tin hexahydroxide

Трајање:	Пут експозиције:	DNEL:
Дугорочно - Системски - Потрошач	Дерматолошки	1.21 mg/kg/дан
Дугорочно - Системски - Радник	Дерматолошки	3.37 mg/kg/дан
Дугорочно - Системски - Потрошач	Инхалацијски	1.78 mg/m ³
Дугорочно - Системски - Радник	Инхалацијски	11.9 mg/m ³
Дугорочно - Системски - Потрошач	Орално	1.21 mg/kg/дан

hydrogen peroxide

Трајање:	Пут експозиције:	DNEL:
Акутно - Локално - Потрошач	Инхалацијски	1.93 mg/m ³
Акутно - Локално - Радник	Инхалацијски	3 mg/m ³
Дугорочно - Локално - Потрошач	Инхалацијски	0.21 mg/m ³
Дугорочно - Локално - Потрошач	Инхалацијски	210 µg/m ³
Дугорочно - Локално - Радник	Инхалацијски	1.4 mg/m ³

PNEC

1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one

Пут експозиције:	Трајање изложености:	PNEC:
Морска вода		403 ng/L
Периодично ослобађање (Морска вода)		110 ng/L
Периодично ослобађање (слатка вода)		1.1 µg/L
Постројењима за пречишћавање отпадних вода		1.03 mg/L
Седимент мора		4.99 µg/kg
Седимент слатке воде		49.9 µg/kg
Слатка вода		4.03 µg/L
Тло		3 mg/kg

Disodium tin hexahydroxide

Пут експозиције:	Трајање изложености:	PNEC:
Морска вода		3.31 µg/L
Периодично ослобађање (Морска вода)		33.1 µg/L
Периодично ослобађање (слатка вода)		331 µg/L
Постројењима за пречишћавање отпадних вода		10 mg/L
Седимент мора		139.46 µg/kg
Седимент слатке воде		1.395 mg/kg
Слатка вода		33.1 µg/L

hydrogen peroxide

Пут експозиције:	Трајније изложености:	PNEC:
Морска вода		0,047 mg/L
Морска вода		12.6 µg/L
Периодично ослобађање (слатка вода)		13.8 µg/L
Постројењима за пречишћавање отпадних вода		4.66 mg/L
Постројењима за пречишћавање отпадних вода		4.66 mg/L
Седимент мора		0,047 mg/L
Седимент мора		47 µg/kg
Седимент слатке воде		0,047 mg/kg
Седимент слатке воде		47 µg/kg
Слатка вода		0,0126 mg/L
Слатка вода		12.6 µg/L
Тло		0,023 mg/kg
Тло		2.3 µg/kg

8.2. Контрола изложености и лична заштита

Извршите општу контролу да бисте спречили непотребно излагање.

Опште препоруке:

Пушење, и конзумирање хране и пића нису дозвољени у радном простору.

Сценарији излагања:

За овај производ нису имплементирани сценарији изложености.

Границе излагања:

Границе изложености током рада нису дефинисане за супстанце у овом производу.

Одговарајући технички уређаји за управљање:

Примените стандардне мере предострожности током употребе производа. Избегавајте удисање испарења.

Хигијенске мере:

Сви изложени делови тела морају да се темелјно оперу у интервалима између употребе производа и на крају радног дана. Обратите посебну пажњу на руке, подлактице и лице.

Мере спречавања контакта са животној средом:

Нема посебних захтева.

Опште мере заштите и хигијене

Генерално:

Користите само заштитну опрему са знаком CE.

Заштита дисајних путева:

Тип	Класа	Боя	Стандарди	
Nema posebnih propisa kada se koristi kako je predviđeno				

Заштита тела:

Препоручено	Тип / Категорија	Стандарди	
Nema posebnih propisa kada se koristi kako je predviđeno	-	-	

Заштитне руке:

Радна ситуација	Материјал	Дебљина рукавице	Време продирања (Минути)	Стандарда	
	Nema posebnih propisa kada se	-	-	-	

Радна ситуација	Материјал	Дебљина рукавице	Време продирања (Минути)	Стандарда	
	koristi kako je predvidjeno				
У случају продуженог излагања или високе концентрације	Ramuk/Нитрилни каучук	-	> 120	EN374-2, EN16523-1, EN388	

Заштита очију/лица:

Радна ситуација	Тур	Стандарди	
	Nema posebnih propisa kada se koristi kako je predvidjeno	-	
У случају продуженог излагања или високе концентрације	Заштитне наочаре са бочним штитницима	EN166	

ПОГЛАВЉЕ 9. ФИЗИЧКА И ХЕМИЈСКА СВОЈСТВА

9.1. Подаци о основним физичким и хемијским својствима хемикалије

Изгледу - агрегатно стање:

Течно

Боји:

Безбойно

Мирису / Прагу мириса (ppm):

Парфем

pH:

са. 4.8

Релативна густина (g/cm³):

1,02 (20 °C)

Кинематичка вискозност:

Нема доступних података.

Карактеристике честица:

Не односи се на течности

Фазне промене

Тачка топљења / тачка мржњења (°C):

Нема доступних података.

Тачка/опсег омекшавања (°C):

Не односи се на течности

Почетна тачка кључања и опсег кључања (°C):

Нема доступних података.

Напон паре:

Нема доступних података.

Релативна густина паре:

Нема доступних података.

Температура разлагања (°C):

Нема доступних података.

Подаци о опасностима од пожара и експлозије

Запаљивост (чврсто, гасовито):

Нема доступних података.

Тачка паљења (°C):

Нема доступних података.

Температура самопаљења (°C):

Нема доступних података.

Горња / доња граница запаљивости или експлозивности (%v/v):

Нема доступних података.

Растворљивост

Растворљивост у вода:

У потпуности растворљив

Коефицијент расподеле у систему n-октанол/вода (LogKow):

Нема доступних података.

Растворљивост у масти (g/L):

Нема доступних података.

9.2. Остали подаци

Остали физички и хемијски параметри:

Нема доступних података.

Оксидујућа својства:

Нема доступних података.

ПОГЛАВЉЕ 10. СТАБИЛНОСТ И РЕАКТИВНОСТ

10.1. Реактивност

Нема доступних података.

10.2. Хемијска стабилност

Производ је стабилан под условима наведеним у одељку 7 „Руковање и складиштење“.

10.3. Могућност настанка опасних реакција

Нема познатих.

10.4. Услови које треба избегавати

Нема познатих.

10.5. Некомпатибилни материјали

Јаке киселине, јаке базе, јака оксидациона средства и јака редукциона средства.

10.6. Опасни производи разградње

У нормалним условима складиштења и употребе не би требало да дође до стварања опасних продукта распадања.

ПОГЛАВЉЕ 11. ТОКСИКОЛОШКИ ПОДАЦИ

11.1. Подаци о токсичним ефектима

Акутна токсичност

Хемијски назив	hydrogen peroxide
Врсте:	Пацов
Пут експозиције:	Орално
Тест:	LD50
Вредност:	1.193 - 1.270 mg/L

Хемијски назив	hydrogen peroxide
Врсте:	Зећ
Пут експозиције:	Дерматолошки
Тест:	LD50
Вредност:	>2.000 (35% oplossing) mg/kg

Хемијски назив	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Врсте:	Пацов
Пут експозиције:	Орално
Тест:	LD50
Вредност:	500 mg/kg

На основу доступних података, критеријуми за класификацију нису испуњени.

Корозивно оштећење коже / иритација

Хемијски назив	hydrogen peroxide
Вредност:	Установљени су негативни ефекти (Иритантан)

Хемијски назив	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Метод тестирања:	ОЕЦД 404
Вредност:	Установљени су негативни ефекти (Иритантан)

На основу доступних података, критеријуми за класификацију нису испуњени.

Тешко оштећење ока / иритација ока

Хемијски назив	hydrogen peroxide
Вредност:	Установљени су негативни ефекти (Доводи до тешког оштећења ока)

Хемијски назив	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Метод тестирања:	ОЕЦД 405
Вредност:	Установљени су негативни ефекти (Доводи до тешког оштећења ока)

На основу доступних података, критеријуми за класификацију нису испуњени.

Сензибилизација респираторних органа

Хемијски назив	hydrogen peroxide
Вредност:	Нису установљени негативни ефекти (не сензибилизација)

На основу доступних података, критеријуми за класификацију нису испуњени.

Сензибилизација коже

Хемијски назив	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Метод тестирања:	ОЕЦД 429
Врсте:	Миш
Вредност:	Установљени су негативни ефекти (сензибилизација)

Хемијски назив	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Метод тестирања:	ОЕЦД 406
Врсте:	Заморче
Вредност:	Установљени су негативни ефекти (сензибилизација)

На основу доступних података, критеријуми за класификацију нису испуњени.

Мутагеност геринативних ћелија

На основу доступних података, критеријуми за класификацију нису испуњени.

Карциногеност

Хемијски назив	hydrogen peroxide
Закључак:	Нису установљени негативни ефекти

На основу доступних података, критеријуми за класификацију нису испуњени.

Токсичност по репродукцију

Хемијски назив	hydrogen peroxide
Закључак:	Нису установљени негативни ефекти

На основу доступних података, критеријуми за класификацију нису испуњени.

Специфична токсичност за циљни орган - једнократна изложеност

На основу доступних података, критеријуми за класификацију нису испуњени.

Специфична токсичност за циљни орган - вишекратна изложеност

На основу доступних података, критеријуми за класификацију нису испуњени.

Опасност од аспирације

Хемијски назив hydrogen peroxide
На основу доступних података, критеријуми за класификацију нису испуњени.

11.2. Информације о другим опасностима

Dugoročni efekti

Нема познатих.

Угрожава рад ендокриних жлезда

Ова смеша/производ не садржи никакве материје за које се сматра да имају својства изазивања хормонског поремећаја.

Додатне информације

hydrogen peroxide по IARC класификацији спада у групу 3

ПОГЛАВЉЕ 12. ЕКОТОКСИКОЛОШКИ ПОДАЦИ

12.1. Токсичност

Хемијски назив	hydrogen peroxide
Врсте:	Рибе, Pimephales promelas
Трајање:	96 сати
Тест:	LC50
Вредност:	16,4 mg/L

Хемијски назив	hydrogen peroxide
Врсте:	Рибе, Leuciscus idus
Трајање:	72 сати
Тест:	LC50
Вредност:	35 mg/L

Хемијски назив	hydrogen peroxide
Врсте:	Рибе, Oncorhynchus mykiss
Трајање:	7 дана
Тест:	LC50
Вредност:	38,5 mg/L

Хемијски назив	hydrogen peroxide
Врсте:	Daphnia pulex
Трајање:	48 сати
Тест:	EC50
Вредност:	2,4 mg/L

Хемијски назив	hydrogen peroxide
Врсте:	Daphnia magna
Трајање:	24 сати
Тест:	EC50
Вредност:	7,7 mg/L

Хемијски назив	hydrogen peroxide
Врсте:	Skeletonema costatum
Трајање:	72 сати
Тест:	EC50
Вредност:	1,38 mg/L

Хемијски назив	hydrogen peroxide
Метод тестирања:	ОЕЦД 209
Врсте:	Бактерије
Окружење:	Постројеније са активираним муљем
Трајање:	30 minutes
Тест:	EC50
Вредност:	466 mg/L

Хемијски назив	hydrogen peroxide
Метод тестирања:	ОЕЦД 209
Врсте:	Бактерије
Окружење:	Постројение са активираним муљем
Трајанье:	3 сати
Тест:	EC50
Вредност:	> 1.000 mg/L

Хемијски назив	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Врсте:	Рибе
Трајанье:	96 сати
Тест:	LC50
Вредност:	>0.1-1 mg/L

Хемијски назив	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Врсте:	Ракови
Трајанье:	48 сати
Тест:	EC50
Вредност:	>0.1-1 mg/L

Хемијски назив	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Врсте:	Алге
Трајанье:	72 сати
Тест:	EC50
Вредност:	>0.1-1 mg/L

На основу доступних података, критеријуми за класификацију нису испуњени.

12.2. Перзистентност и разградљивост

Хемијски назив	Alcohol, C13, bran., EO, sulfate Na~
Вредност:	> 60 %
Закључак:	Лако биоразградива материја
Тест:	ОЕЦД 301 Б

Хемијски назив	hydrogen peroxide
Закључак:	Лако биоразградива материја

Хемијски назив	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Вредност:	90%
Закључак:	Лако биоразградива материја
Тест:	OECD 302

Сурфактант(и) садржани у овом препарату је(су) у складу са критеријумима биоразградивости утврђеним у уредби (ЕЗ) бр. 648/2004 о детердженцима. Подаци који поткрепљују ову тврдњу стоје на располагању надлежним властима држава чланица и биће им доступни на њихов директни захтев или на захтев произвођача детерджената.

12.3. Потенцијал биоакумулације

Хемијски назив	hydrogen peroxide
LogKow:	-1,57
Закључак:	-

Хемијски назив	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
BCF:	2
LogKow:	1.45
Закључак:	Потенцијал за биоакумулацију је низак

12.4. Мобилност у земљишту

Нема доступних података.

12.5. Резултати ПБТ и вПвБ процене

Ова смеша/производ не садржи супстанце за које се сматра да испуњавају критеријуме да буду класификовани

као ПБТ и/или вПвБ.

12.6. Угрожава рад ендокриних жлезда

Ова смеша/производ не садржи никакве материје за које се када се нађу унутар животне средине сматра да имају својства ометања ендокриног система.

12.7. Остали штетни ефекти

Нема познатих.

ПОГЛАВЉЕ 13. ОДЛАГАЊЕ

13.1. Методе третмана отпада

На производ се односе прописи о опасном отпаду. (*)

НР 4 - Надражујуће (иритација коже и оштећење очију)

Уредба комисије (ЕУ) бр. 1357/2014 од 18. децембра 2014. године која замењује прилог IIIИ директиве 2008/98/ЕЗ Европског парламента и савета о отпаду.

Кôд европског каталога отпада (EWЦ):

20 01 30 детерџенти другачији од оних наведених у 20 01 29

Контаминирање амбалаже

Амбалажа која садржи остатке производа мора се одложити на исти начин као и производ.

ПОГЛАВЉЕ 14. ПОДАЦИ О ТРАНСПОРТУ

	14.1 UN	14.2 Назив за терет у транспорту	14.3 Класа	14.4 PG*	14.5. Env**	Остали подаци:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Група паковања

** Опасност по животну средину

Додатне информације

Није опасна роба према ADR, IATA и IMDG.

14.6. Посебне предострожности за корисника

Није применљиво.

14.7. Транспорт у расутом стању (Анексу ИИ Међународне конвенције за спречавање загађења из бродова и ИБЦ Цоде)

Нема доступних података.

ПОГЛАВЉЕ 15. РЕГУЛАТОРНИ ПОДАЦИ

15.1. Прописи у вези са безбедношћу, здрављем и животном средином

Ограничења за примену:

Дозвољено само за професионално коришћење.

Захтеви за специфичним образовањем:

Нема посебних захтева.

"СЕВЕСО" - Категорија / Опасне материје:

Није применљиво.

Означавање садржана према ПРАВИЛНИК о детергентима:

>5% - <15%

· Нејонски сурфактанти

< 5%

- Анјонски сурфактанти
- Избелјивачи на бази кисеоника
- Мириси
- Конзерванси (BENZISOTHIAZOLINONE)

Додатне информације:

Сурфактант(и) садржани у овом препарату је(су) у складу са критеријумима биоразградивости утврђеним у уредби (ЕЗ) бр. 648/2004 о детерджентима. Подаци који поткрепљују ову тврдњу стоје на располагању надлежним властима држава чланица и биће им доступни на њихов директни захтев или на захтев произвођача детерджената.

Извори:

ПРАВИЛНИК о детергентима ("Службени гласник РС", 25/2015)

ПРАВИЛНИК о категоријама, испитивању и класификацији отпада (Службени гласник РС, 56/10)

Правилник о класификацији, паковању, обележавању и оглашавању хемикалије и одређеног производа у складу са Глобално хармонизованим системом за класификацију и обележавање УН: 105/2013-16, 52/2017-73, 21/2019-208

15.2. Процена безбедности хемикалије.

Не

ПОГЛАВЉЕ 16. ОСТАЛИ ПОДАЦИ

Комплетан текст Х-фраза како је наведено у поглавље 3

H271, Може да изазове пожар или експлозију; јако оксидујуће средство.

H302, Штетно ако се прогута.

H314, Изазива тешке опекотине коже и оштећење ока.

H315, Изазива иритацију коже.

H318, Доводи до тешког оштећења ока.

H319, Доводи до јаке иритације ока.

H332, Штетно ако се удише.

H335, Може да изазове иритацију респираторних органа.

H336, Може да изазове поспаност и несвестицу.

H412, Штетно за живи свет у води са дуготрајним последицама.

Скраћенице и акроними

ADR = Европски споразум о међународном друмском превозу опасне робе

ATE = Процена акутне токсичности

BCF = Фактор биоконцентрације

CAS = Служба хемијских сажетака

CE = европска усаглашеност

CLP = Уредба о класификацији, означавању и паковању [Уредба (ЕЗ) бр. 1272/2008]

CSA = Процена хемијске безбедности

CSR = Извештај о хемијској безбедности

CTOT = Специфична циљна токсичност органа

DMEL = Изведени минимални ниво ефекта

DNEL = Изведени ниво без ефекта

EINECS = Европски инвентар постојећих комерцијалних хемијских супстанци

ES = Сценарио изложености

EUH izjava = ЦЛП-специфична изјава о опасности

EUPCS = Европски систем категоризације производа

EWЦ = Европски каталог отпада

GHS = Глобално усклађени систем класификације и обележавања хемикалија

GWP (ГВП) = Потенцијал глобалног загревања

IARC = међународна агенција за истраживање рака

IATA = Међународно удружење за ваздушни саобраћај

IBC = Средњи контејнер за расути терет

IMDG = Међународна поморска опасна роба

LogPow = Логаритам коефицијента раздвајања октанол/вода

MARPOL = Међународна конвенција о спречавању загађења са бродова из 1973. године, измењена протоколом из 1978. („Marpol“ = загађење мора)

ОЕЦД = Организација за Економску Царадњу и Дазвој
ПБТ = Истрајан, биоакумулативан и токсичан
PNEC = Предвиђена концентрација без ефекта
RID = Прописи који се тичу међународног превоза опасне робе железницом
RRN = REACH регистрациони број
SCL = има одређену границу концентрације.
SVHC = Веома забринјавајуће супстанце
STOT-RE = Специфична циљна токсичност органа - понављана излагања
STOT-SE = Специфична циљна токсичност органа - појединачна излагања
TWA = Временски пондерисан просек
UN = Уједињене нације
UVBC = Непознат или променљив састав, сложени продукти реакције или биолошки материјали
VOC = Нестабилно органско јединијење
вПвБ = Веома трајно и врло биоакумулативно

Додатне информације

Није применљиво.

Безбедносни лист потврђује

Quality & Compliance

Остали подаци

Промена (сразмерно последњој суштинској промени (прва шифра у верзији СДС, погледајте поглавље 1)) обележена је троуглом.

Подаци у овом безбедносном упутству односе се само на овај одређени производ (поменут у поглавље 1) и нису нужно тачни за употребу са другим хемикалијама/производима.

Препоручује се да ово безбедносно упутство дате стварном кориснику производа. Информације у овом безбедносном упутству не могу се користити као спецификације производа.

Земља-језик: RS-Sr

SAFETY DATA SHEET

i.1 all-purpose cleaner FlexDose

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

SDS created for SAUDI ARABIA according to GHS

1.1. Product identifier

▼ *Trade name:*

i.1 all-purpose cleaner FlexDose

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses of the substance or mixture:

Washing and cleaning products (including solvent based products)

Restricted to professional users.

Uses advised against :

None known.

1.3. Details of the supplier of the safety data sheet

Company and address:

Hygeniq B.V.

Postbus 618

7500 AP Enschede

The Netherlands

+31 53 4282860

+31 53 5393865

www.hygeniq.com

E-mail:

info@hygeniq.com

SDS date:

27/06/2025

SDS Version:

2.0

Date of previous version:

02/06/2025 (1.0)

1.4. Emergency telephone number

Contact the local emergency services.

See section 4 "First aid measures".

SECTION 2: HAZARDS IDENTIFICATION

Classified according to GHS.

2.1. Classification of the substance or mixture

Skin Irrit. 3; H316, Causes mild skin irritation

2.2. Label elements

Hazard pictogram(s):

Not applicable.

Signal word:

Warning

Hazard statement(s):

Causes mild skin irritation (H316)

Precautionary statement(s):

General:

-

Prevention:

-

Response:

If skin irritation occurs: Get medical advice/attention. (P332+P313)

Storage:

-

Disposal:

-

Hazardous substances:

Does not contain any substances required to report

Additional labelling:

Not applicable.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable. This product is a mixture.

3.2. Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
Alcohol, C13, bran., EO, sulfate Na~	CAS No.: 150413-26-6 EC No.: 688-316-0	1-3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 3, H412	
hydrogen peroxide	CAS No.: 7722-84-1 EC No.: 231-765-0	1-3%	Ox. Liq. 1, H271 Acute Tox. 4, H302 Skin Corr. 1A, H314 (SCL: 70.00 %) Skin Corr. 1B, H314 (SCL: 50.00 %) Skin Irrit. 2, H315 (SCL: 35.00 %) Eye Dam. 1, H318 (SCL: 8.00 %) Eye Irrit. 2, H319 (SCL: 5.00 %) Acute Tox. 4, H332 STOT SE 3, H336 (SCL: 35.00 %)	
citroenzuurmonohydraat	CAS No.: 5949-29-1 EC No.: 611-842-9	<0.1%	Eye Irrit. 2, H319	

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information

-

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General information:

In the case of accident: Contact a doctor or casualty department – bring the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

Inhalation:

Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

Skin contact:

Remove contaminated clothing and shoes immediately. Ensure to wash exposed skin thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or thinners.

Eye contact:

If in eyes: Flush eyes with water or saline water (20-30 °C) for at least 5 minutes. Remove contact lenses. Seek medical assistance and continue flushing during transport.

Ingestion:

If the person is conscious, rinse the mouth with water and stay with the person. Never give the person anything to drink.

In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the person lean forward with head down to avoid inhalation of or choking on vomited material.

Burns:

Not applicable.

4.2. Most important symptoms and effects, both acute and delayed

None known.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

Information to medics

Bring this safety data sheet or the label from this product.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Not applicable.

5.2. Special hazards arising from the substance or mixture

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

Carbon oxides (CO / CO₂)

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact the national poisons emergency services in order to obtain further advice.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Contaminated areas may be slippery.

6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.

Keep unauthorized persons away from the spill

6.3. Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.
Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections

See section 13 "Disposal considerations" on handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Smoking, drinking and consumption of food is not allowed in the work area.

See section 8 "Exposure controls/personal protection" for information on personal protection.

7.2. Conditions for safe storage, including any incompatibilities

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Recommended storage material:

Keep only in original packaging.

Storage conditions:

Dry, cool and well ventilated

Incompatible materials:

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

No substances are listed with an occupational exposure limit.

8.2. Exposure controls

Apply general control to prevent unnecessary exposure

General recommendations:

Smoking, drinking and consumption of food is not allowed in the work area.

Exposure scenarios:

There are no exposure scenarios implemented for this product.

Exposure limits:

Occupational exposure limits have not been defined for the substances in this product.

Appropriate technical measures:

Apply standard precautions during use of the product. Avoid inhalation of vapours.

Hygiene measures:

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Pay special attention to hands, forearms and face.

Measures to avoid environmental exposure:

No specific requirements.

Individual protection measures, such as personal protective equipment

Generally:

Use only CE marked protective equipment.

Respiratory Equipment:

Type	Class	Colour	Standards	
No special when used as intended.				

Skin protection:

Recommended	Type/Category	Standards	
No special when used as intended.	-	-	

Hand protection:

Work situation	Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
	No special when used as intended	-	-	-	
In the event of prolonged exposure or high concentrations	Cotton/Latex	-	> 120	EN374-2, EN16523-1, EN388	

Eye protection:

Work situation	Type	Standards	
	No special when used as intended.	-	
In the event of prolonged exposure or high concentrations	Safety glasses with side shields.	EN166	

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Form:

Liquid

Colour:

Colourless

Odour:

Of perfume

Odour threshold (ppm):

No data available.

pH:

ca. 4.8

Density (g/cm³):

1.02 (20 °C)

Kinematic viscosity:

No data available.

Particle characteristics:

Does not apply to liquids.

Phase changes

Melting point/Freezing point (°C):

No data available.

Softening point/range (°C):

Does not apply to liquids.

Boiling point (°C):

No data available.

Vapour pressure:

No data available.

Relative vapour density:

No data available.

Decomposition temperature (°C):

No data available.

Evaporation rate (n-butylacetate = 100):

Data on fire and explosion hazards

Flash point (°C):

No data available.

Flammability (°C):

No data available.

Auto-ignition temperature (°C):

No data available.

Explosion limits (% v/v):

No data available.

Solubility

Solubility in water:

Completely soluble

n-octanol/water coefficient (LogKow):

No data available.

Solubility in fat (g/L):

No data available.

9.2. Other information

No data available.

Other physical and chemical parameters:

No data available.

Oxidizing properties:

No data available.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

10.2. Chemical stability

The product is stable under the conditions, noted in section 7 "Handling and storage".

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity

Product/substance	hydrogen peroxide
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	1.193 - 1.270 mg/L

Product/substance	hydrogen peroxide
Species:	Rabbit
Route of exposure:	Dermal
Test:	LD50
Result:	>2.000 (35% oplossing) mg/kg

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	500 mg/kg

Based on available data, the classification criteria are not met.

Skin corrosion/irritation

Product/substance	hydrogen peroxide
Result:	Adverse effect observed (Irritating)

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Test method:	OECD 404
Result:	Adverse effect observed (Irritating)

Based on available data, the classification criteria are not met.

Serious eye damage/irritation

Product/substance	hydrogen peroxide
Result:	Adverse effect observed (Causes serious eye damage)

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Test method:	OECD 405
Result:	Adverse effect observed (Causes serious eye damage)

Based on available data, the classification criteria are not met.

Respiratory sensitisation

Product/substance	hydrogen peroxide
Result:	No adverse effect observed (not sensitising)

Based on available data, the classification criteria are not met.

Skin sensitisation

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Test method:	OECD 429
Species:	Mouse
Result:	Adverse effect observed (sensitising)

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Test method:	OECD 406
Species:	Guinea pig
Result:	Adverse effect observed (sensitising)

Based on available data, the classification criteria are not met.

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Product/substance	hydrogen peroxide
Conclusion:	No adverse effect observed

Based on available data, the classification criteria are not met.

hydrogen peroxide has been classified by IARC as a group 3 carcinogen.

Reproductive toxicity

Product/substance	hydrogen peroxide
Conclusion:	No adverse effect observed

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Product/substance hydrogen peroxide

Based on available data, the classification criteria are not met.

Long term effects

None known.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Product/substance	hydrogen peroxide
Species:	Fish, Pimephales promelas
Duration:	96 hours
Test:	LC50
Result:	16,4 mg/L

Product/substance	hydrogen peroxide
Species:	Fish, Leuciscus idus
Duration:	72 hours
Test:	LC50
Result:	35 mg/L

Product/substance	hydrogen peroxide
Species:	Fish, Oncorhynchus mykiss
Duration:	7 days
Test:	LC50
Result:	38,5 mg/L

Product/substance	hydrogen peroxide
Species:	Daphnia pulex
Duration:	48 hours
Test:	EC50
Result:	2,4 mg/L

Product/substance	hydrogen peroxide
Species:	Daphnia magna
Duration:	24 hours
Test:	EC50
Result:	7,7 mg/L

Product/substance	hydrogen peroxide
Species:	Skeletonema costatum
Duration:	72 hours
Test:	EC50
Result:	1,38 mg/L

Product/substance	hydrogen peroxide
Test method:	OECD 209
Species:	Bacteria
Compartment:	Activated Sludge Plant
Duration:	30 minutes
Test:	EC50
Result:	466 mg/L

According to GHS Rev. 8, 2019

Product/substance	hydrogen peroxide
Test method:	OECD 209
Species:	Bacteria
Compartment:	Activated Sludge Plant
Duration:	3 hours
Test:	EC50
Result:	> 1.000 mg/L
Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Species:	Fish
Duration:	96 hours
Test:	LC50
Result:	>0.1-1 mg/L
Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Species:	Crustacean
Duration:	48 hours
Test:	EC50
Result:	>0.1-1 mg/L
Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Species:	Algae
Duration:	72 hours
Test:	EC50
Result:	>0.1-1 mg/L

Based on available data, the classification criteria are not met.

12.2. Persistence and degradability

Product/substance	Alcohol, C13, bran., EO, sulfate Na~
Result:	> 60 %
Conclusion:	Readily biodegradable
Test:	OECD 301 B

Product/substance	hydrogen peroxide
Conclusion:	Readily biodegradable

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Result:	90%
Conclusion:	Readily biodegradable
Test:	OECD 302

12.3. Bioaccumulative potential

Product/substance	hydrogen peroxide
LogKow:	-1,57
Conclusion:	-

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
BCF:	2
LogKow:	1.45
Conclusion:	Potential for bioaccumulation is low

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

12.6. Other adverse effects

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

Dispose of contents/container to an approved waste disposal plant.

Specific labelling

Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: TRANSPORT INFORMATION

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Packing group

** Environmental hazards

Additional information

Not dangerous goods according to ADR, IATA and IMDG.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

No data available.

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Restrictions for application:

Restricted to professional users.

Demands for specific education:

No specific requirements.

Additional information:

Not applicable.

Sources:

Globally Harmonized System of Classification and Labelling of Chemicals (GHS Rev. 8, 2019)

15.2. Chemical safety assessment

No

SECTION 16: OTHER INFORMATION

Full text of H-phrases as mentioned in section 3

H271, May cause fire or explosion; strong oxidiser.

H302, Harmful if swallowed.

H314, Causes severe skin burns and eye damage.

H315, Causes skin irritation.

H318, Causes serious eye damage.

H319, Causes serious eye irritation.
H332, Harmful if inhaled.
H336, May cause drowsiness or dizziness.
H412, Harmful to aquatic life with long lasting effects.

The full text of identified uses as mentioned in section 1

None known.

Abbreviations and acronyms

ACGIH = American Conference of Governmental Industrial Hygienists
ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway
ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
CAS = Chemical Abstracts Service
CERCLA = Comprehensive Environmental Response Compensation and Liability Act
DOT = Department of Transportation
EINECS = European Inventory of Existing Commercial chemical Substances
EPCRA = Emergency Planning and Community Right-To-Know Act
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
HCIS = Hazardous Chemical Information System
HNOC = Hazards Not Otherwise Classified
IARC = International Agency for Research on Cancer
IATA = International Air Transport Association
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
NFPA = National Fire Protection Association
NIOSH = National Institute for Occupational Safety and Health
OECD = Organisation for Economic Co-operation and Development
OSHA = Occupational Safety and Health Administration
PBT = Persistent, Bioaccumulative and Toxic
RCRA = Resource Conservation and Recovery Act
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
RRN = REACH Registration Number
SARA = Superfund Amendments and Reauthorization Act
SCL = A specific concentration limit.
STEL = Short-term exposure limits
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
STOT-SE = Specific Target Organ Toxicity - Single Exposure
TSCA = The Toxic Substances Control Act
TWA = Time weighted average
UN = United Nations
UVBC = Unknown or variable composition, complex reaction products or of biological materials
VOC = Volatile Organic Compound
vPvB = Very Persistent and Very Bioaccumulative

Additional information

Not applicable.

The safety data sheet is validated by

Quality & Compliance

Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

Country-language: SA-en

SÄKERHETSDATABLAD

i.1 all-purpose cleaner FlexDose

AVSNITT 1: NAMNET PÅ ÄMNET/BLANDNINGEN OCH BOLAGET/FÖRETAGET

1.1. Produktbeteckning

▼ *Handelsnamn:*

i.1 all-purpose cleaner FlexDose

1.2. Relevanta identifierade användningar av ämnet eller blandningen och användningar som det avråds från

Relevanta identifierade användningar av ämnet eller blandningen:

Tvätt- och rengöringsmedel (inklusive lösningsmedelsbaserade)

Endast för yrkesmässigt bruk.

Användningar som det avråds från :

Inga kända.

1.3. Närmare upplysningar om den som tillhandahåller säkerhetsdatabladet

Företagsuppgifter:

Hygeniq B.V.

Postbus 618

7500 AP Enschede

The Netherlands

+31 53 4282860

+31 53 5393865

www.hygeniq.com

E-post:

info@hygeniq.com

Omarbetad:

2025-06-27

SDB Version:

2.0

Datum för tidigare utgåva:

2025-06-02 (1.0)

1.4. Telefonnummer för nödsituationer

Akut: Ring 112, begär giftinformation. Öppet dygnet runt.

Mindre akut: Ring 010-456 6700. Öppet dygnet runt.

Se avsnitt 4 om åtgärder vid första hjälpen.

AVSNITT 2: FARLIGA EGENSKAPER

2.1. Klassificering av ämnet eller blandningen

Inte klassificerad enligt förordningen (EG) nr 1272/2008 (CLP).

2.2. Märkningsuppgifter

Faropiktogram:

Ej tillämpligt.

Signalord:

Ej tillämpligt.

Faroangivelser:

Ej tillämpligt.

Skyddsangivelser:

Allmänt:

-

Förebyggande:

-

Åtgärder:

-

Förvaring:

-

Avfall:

-

Innehåller:

Innehåller inga anmälningspliktiga ämnen

Annan märkning:

EUH210, Säkerhetsdatablad finns att rekvirera.

▼ **Märkning av innehåll i enlighet med förordning (EG) nr 648/2004 om tvätt- och rengöringsmedel (gäller förpackningar av tvättmedel som säljs till allmänheten):**

>5% - <15%

· Nonjontensider

< 5%

· Anjoniska tensider

· Syrebaserade blekmedel

· Parfym

· Konserveringsmedel (BENZISOTHIAZOLINONE)

2.3. Andra faror

Annat:

Denna blandning/produkt innehåller inga ämnen som anses uppfylla kriterierna för klassificering som PBT- och/eller vPvB-ämnen.

Produkten innehåller inga ämnen som bedömts vara hormonstörande enligt kriterierna i Kommissionens delegerade förordning (EU) 2017/2100 eller Kommissionens förordning (EU) 2023/707.

AVSNITT 3: SAMMANSÄTTNING/INFORMATION OM BESTÅNDSDELAR

3.1. Ämnen

Ej tillämpligt. Denna produkt är en blandning.

3.2. Blandningar

Produkt/Ämne	Identifierare	% w/w	Klassificering	Anm.
Alcohol, C13, bran., EO, sulfate Na~	CAS-nr.: 150413-26-6 EG-nr.: 688-316-0 REACH: Indexnr.:	1-3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 3, H412	
väteperoxidlösning 35%	CAS-nr.: 7722-84-1 EG-nr.: 231-765-0 REACH: 01-2119485845-22-XXXX Indexnr.: 008-003-00-9	1-3%	Ox. Liq. 1, H271 Acute Tox. 4, H302 Skin Corr. 1A, H314 (SCL: 70,00 %) Skin Corr. 1B, H314 (SCL: 50,00 %) Skin Irrit. 2, H315 (SCL: 35,00 %) Eye Dam. 1, H318 (SCL: 8,00 %) Eye Irrit. 2, H319 (SCL: 5,00 %) Acute Tox. 4, H332	

			STOT SE 3, H336 (SCL: 35,00 %)	
citroenzuurmonohydraat	CAS-nr.: 5949-29-1 EG-nr.: 611-842-9 REACH: 01-2119457026-42-XXXX Indexnr.:	<0.1%	Eye Irrit. 2, H319	
Disodium tin hexahydroxide	CAS-nr.: 12027-70-2 EG-nr.: 234-724-5 REACH: 01-2120770924-45-XXXX Indexnr.:	<0.05%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	[1]

Fullständig ordalydelse av H-fraserna finns i avsnitt 16. Arbetshygieniska gränsvärden finns i avsnitt 8 - om de är tillgängliga.

Annan information

[1] Europeiskt yrkeshygieniskt gränsvärde.

AVSNITT 4: ÅTGÄRDER VID FÖRSTA HJÄLPEN

4.1. Beskrivning av åtgärder vid första hjälpen

Allmänt:

Vid olycka: Kontakta läkare eller akutmottagning - ta med etiketten eller detta säkerhetsdatablad.

Vid bestående symptom eller om det råder tveksamheter om den påverkades tillstånd skall läkarhjälp sökas. Ge aldrig en medvetslös person vatten eller liknande.

Inandning:

I fall av andningssvårigheter eller irritation i andningsvägarna: Flytta den skadade personen till frisk luft direkt och håll personen under uppsyn.

Hudkontakt:

Vid irritation: Tvätta av produkten. Vid ihållande irritation: Kontakta läkare.

Kontakt med ögonen:

Vid kontakt med ögonen: Skölj genast med vatten (20-30 °C) i minst 5 minuter. Avlägsna eventuella kontaktlinser. Uppsök läkare.

Förtäring:

Om personen är vid medvetande, skölj munnen med vatten och stanna hos personen. Ge aldrig personen något att dricka. Vid illamående: Kontakta omgående läkare och ta med detta säkerhetsdatablad eller etiketten från produkten. Framkalla ej kräkning, annat än om läkaren rekommenderar detta. Sänk huvudet så att eventuella kräkningar ej rinner tillbaka i munnen och ner i halsen.

Brännskada:

Ej tillämpligt.

4.2. De viktigaste symptomen och effekterna, både akuta och fördröjda

Inga kända.

4.3. Angivande av omedelbar medicinsk behandling och särskild behandling som eventuellt krävs

Behandla symptomatiskt.

Information till läkare

Medtag detta säkerhetsdatablad eller etiketten från produkten.

AVSNITT 5: BRANDBEKÄMPNINGSÅTGÄRDER

5.1. Släckmedel

Ej tillämpligt.

5.2. Särskilda faror som ämnet eller blandningen kan medföra

Vid brand utvecklas tät rök. Att utsättas för nedbrytningsprodukter kan utgöra hälsofara. Slutna behållare som utsätts för eld avkyls med vatten. Låt ej vatten från brandsläckning rinna ut i kloak och vattendrag.

Om produkten utsätts för höga temperaturen, t.ex. i händelse av brand, kan farliga nedbrytningsprodukter bildas.

Dessa är:

Koloxider (CO / CO₂)

5.3. Råd till brandbekämpningspersonal

Inga särskilda krav.

AVSNITT 6: ÅTGÄRDER VID OAVSIKTLIGA UTSLÄPP

6.1. Personliga skyddsåtgärder, skyddsutrustning och åtgärder vid nödsituationer

Se till att ventilationen är tillräcklig, särskilt i slutna utrymmen.

Förorenade områden kan vara hala.

6.2. Miljöskyddsåtgärder

Undvik utsläpp i sjöar, åar, kloaker etc.

Håll obehöriga personer på avstånd från spillet

6.3. Metoder och material för inneslutning och sanering

Spill begränsas och samlas upp med icke-brännbart absorberande material, t.ex. sand, jord, vemikulit, kiselgur och placeras i behållare och bortskaffas i överensstämmelse med gällande regler.

Rengöring utförs så långt som möjligt med rengöringsmedel. Lösningsmedel bör undvikas.

6.4. Hänvisning till andra avsnitt

Se avsnitt 13 "Avfallshantering".

Se avsnitt 8 "Begränsning av exponeringen/personligt skydd" om personligt skydd.

AVSNITT 7: HANTERING OCH LAGRING

7.1. Skyddsåtgärder för säker hantering

Rökning, förtäring av mat och intag av dryck är ej tillåtet i arbetslokalerna.

Se avsnitt 8 om personligt skydd.

7.2. Förhållanden för säker lagring, inklusive eventuell oförenlighet

Öppnad behållare skall återförslutas väl och förvaras i upprätt läge för att förhindra läckage.

Kompatibla förpackningar:

Förvaras endast i originalförpackningen.

Förvaringsförhållanden:

Torr, svalt och väl ventilerat

Oförenliga material:

Starka syror, starka baser, starka oxidationsmedel och starka reduktionsmedel.

7.3. Specifik slutanvändning

Denna produkt bör endast användas för de användningar som beskrivs i avsnitt 1.2.

AVSNITT 8: BEGRÄNSNING AV EXPONERINGEN/PERSONLIGT SKYDD

8.1. Kontrollparametrar

2-(2-ethoxyethoxy)ethanol

Korttidsgränsvärde (15 minuter) (ppm): 30

Korttidsgränsvärde (15 minuter) (mg/m³): 170

Nivågränsvärde (8 timmar) (ppm): 15

Nivågränsvärde (8 timmar) (mg/m³): 80

Anmärkningar:

H = Ämnet kan lätt upptas genom huden.

V = Vägledande korttidsgränsvärde.

väteperoxidlösning 35%
Korttidsgränsvärde (15 minuter) (ppm): 2
Korttidsgränsvärde (15 minuter) (mg/m³): 3
Nivågränsvärde (8 timmar) (ppm): 1
Nivågränsvärde (8 timmar) (mg/m³): 1,4

Arbetsmiljöverkets föreskrifter och allmänna råd (AFS 2023:14) om gränsvärden för luftvägsexponering i arbetsmiljön

DNEL

1,2-bensisotiazol-3(2H)-on; 1,2-bensisotiazolin-3-on

Varaktighet:	Exponeringsväg:	DNEL:
Långvarig – Systemiska effekter - Allmän befolkning	Hud	0.345 mg/kg
Långvarig – Systemiska effekter - Arbetare	Hud	966 µg/kg bw/day
Långvarig – Systemiska effekter - Allmän befolkning	Inandning	1.2 mg/m ³
Långvarig – Systemiska effekter - Arbetare	Inandning	6.81 mg/m ³

2-(2-ethoxyethoxy)ethanol

Varaktighet:	Exponeringsväg:	DNEL:
Långvarig – Systemiska effekter - Allmän befolkning	Hud	25 mg/kg/day
Långvarig – Systemiska effekter - Arbetare	Hud	50 mg/kg bw/day
Långvarig – Systemiska effekter - Arbetare	Hud	83 mg/kg/day
Långvarig – Lokala effekter - Allmän befolkning	Inandning	18,3 mg/m ³
Långvarig – Lokala effekter - Allmän befolkning	Inandning	18 mg/m ³
Långvarig – Lokala effekter - Arbetare	Inandning	18 mg/m ³
Långvarig – Lokala effekter - Arbetare	Inandning	30 mg/m ³
Långvarig – Systemiska effekter - Arbetare	Inandning	37 mg/m ³
Långvarig – Systemiska effekter - Arbetare	Inandning	61 mg/m ³
Långvarig – Systemiska effekter - Allmän befolkning	Oralt	25 mg/kg bw/day

Disodium tin hexahydroxide

Varaktighet:	Exponeringsväg:	DNEL:
Långvarig – Systemiska effekter - Allmän befolkning	Hud	1.21 mg/kg bw/day
Långvarig – Systemiska effekter - Arbetare	Hud	3.37 mg/kg bw/day
Långvarig – Systemiska effekter - Allmän befolkning	Inandning	1.78 mg/m ³
Långvarig – Systemiska effekter - Arbetare	Inandning	11.9 mg/m ³
Långvarig – Systemiska effekter - Allmän befolkning	Oralt	1.21 mg/kg bw/day

väteperoxidlösning 35%

Varaktighet:	Exponeringsväg:	DNEL:
Kortvarig – Lokala effekter - Allmän befolkning	Inandning	1.93 mg/m ³
Kortvarig – Lokala effekter - Arbetare	Inandning	3 mg/m ³
Långvarig – Lokala effekter - Allmän befolkning	Inandning	0,21 mg/m ³
Långvarig – Lokala effekter - Allmän befolkning	Inandning	210 µg/m ³
Långvarig – Lokala effekter - Arbetare	Inandning	1.4 mg/m ³

PNEC

1,2-bensisotiazol-3(2H)-on; 1,2-bensisotiazolin-3-on

Exponeringsväg:	Exponeringens varaktighet:	PNEC:

Avloppsreningsverk		1.03 mg/L
Havsvatten		403 ng/L
Havsvatten sediment		4.99 µg/kg
Jord		3 mg/kg
Sötvatten		4.03 µg/L
Sötvattenssediment		49.9 µg/kg
Sporadiska utsläpp (havsvatten)		110 ng/L
Sporadiska utsläpp (sötvatten)		1.1 µg/L

2-(2-ethoxyethoxy)ethanol

Exponeringsväg:	Exponeringens varaktighet:	PNEC:
Avloppsreningsverk		500 mg/L
Havsvatten		0,074 mg/L
Havsvatten		0.198 mg/L
Havsvatten sediment		0,274 mg/kg
Jord		0,15 mg/kg
Jord		0.732 mg/kg
Jord		0.34 mg/kg
Sötvatten		0,74 mg/L
Sötvatten		1.98 mg/L
Sötvattenssediment		2,47 mg/kg
Sötvattenssediment		7.32 mg/kg
Sporadiska utsläpp		10 mg/L
Sporadiska utsläpp (sötvatten)		10 mg/L

Disodium tin hexahydroxide

Exponeringsväg:	Exponeringens varaktighet:	PNEC:
Avloppsreningsverk		10 mg/L
Havsvatten		3.31 µg/L
Havsvatten sediment		139.46 µg/kg
Sötvatten		33.1 µg/L
Sötvattenssediment		1.395 mg/kg
Sporadiska utsläpp (havsvatten)		33.1 µg/L
Sporadiska utsläpp (sötvatten)		331 µg/L

väteperoxidlösning 35%

Exponeringsväg:	Exponeringens varaktighet:	PNEC:
Avloppsreningsverk		4.66 mg/L
Avloppsreningsverk		4.66 mg/L
Havsvatten		0,047 mg/L
Havsvatten		12.6 µg/L
Havsvatten sediment		0,047 mg/L
Havsvatten sediment		47 µg/kg
Jord		0,023 mg/kg
Jord		2.3 µg/kg

Sötvatten		0,0126 mg/L
Sötvatten		12.6 µg/L
Sötvattenssediment		0,047 mg/kg
Sötvattenssediment		47 µg/kg
Sporadiska utsläpp (sötvatten)		13.8 µg/L

8.2. Begränsning av exponeringen

Efterlevnad av hygieniska gränsvärden bör kontrolleras regelbundet.

Generellt:

Rökning, förtäring av mat och intag av dryck är ej tillåtet i arbetslokalerna.

Exponeringsscenarier:

Det finns inga implementerade exponeringsscenarier för denna produkt.

Exponeringsgräns:

Yrkesmässiga användare omfattas av arbetsmiljölagstiftningens regler om maxkoncentrationer vid exponering. Se de arbetshygieniska gränsvärdena ovan.

Tekniska åtgärder:

Ångbildning måste hållas på ett minimum och under nuvarande gränsvärden (se ovan). Installation av ett lokalt punktutsläpp rekommenderas om normalt luftflöde i arbetsrummet inte är tillräckligt. Se till att ögonsköljning och nöddusch är tydligt markerade.

Tillämpa standardföreskrifter vid användning av produkten. Undvik inandning av ångor.

Hygieniska åtgärder:

Vid varje paus vid användning av produkten och vid arbetets slut skall de exponerade områdena på kroppen tvättas. Var särskilt noga med händer, underarmar och ansikte.

Begränsning av miljöexponering:

Inga särskilda krav.

Individuella skyddsåtgärder

Allmänt:

Använd endast CE-märkt skyddsutrustning.

Andningsskydd:

Typ	Klass	Färg	Standarder	
Inga särskilda vid normal och avsedd användning.				

Hudskydd:

Rekommenderad	Typ/Kategori	Standarder	
Inga särskilda vid normal och avsedd användning.	-	-	

Handskydd:

Arbetsituation	Handskmaterial	Handsktjocklek (mm)	Genombrottstid (min.)	Standarder	
	Inga särskilda vid normal och avsedd användning	-	-	-	
Om exponeringen varar under en längre tid eller koncentrationerna är höga	Bomull / Naturgummi	-	> 120	EN374-2, EN16523-1, EN388	

Ögonskydd:

Arbetssituation	Typ	Standarder	
	Inga särskilda vid normal och avsedd användning.	-	
Om exponeringen varar under en längre tid eller koncentrationerna är höga	Använd skyddsglasögon med sidosköld.	EN166	

AVSNITT 9: FYSIKALISKA OCH KEMISKA EGENSKAPER

9.1. Information om grundläggande fysikaliska och kemiska egenskaper

Fysikaliskt tillstånd:

Vätska

Färg:

Färglös

Lukt / Lukttröskel (ppm):

Parfymerad

pH:

ca. 4.8

Densitet (g/cm³):

1,02 (20 °C)

Kinematisk viskositet:

Ingen data tillgänglig.

Partikelegenskaper:

Gäller inte för vätskor.

Fas förändringar

Smältpunkt/frys punkt (°C):

Ingen data tillgänglig.

Mjukpunkt/mjukpunktsintervall (°C):

Gäller inte för vätskor.

Kokpunkt (°C):

Ingen data tillgänglig.

Ångtryck:

Ingen data tillgänglig.

Relativ ångdensitet:

Ingen data tillgänglig.

Sönderdelningstemperatur (°C):

Ingen data tillgänglig.

Data om brand- och explosionsrisker

Flampunkt (°C):

Ingen data tillgänglig.

Brandfarlighet (°C):

Ingen data tillgänglig.

Självantändningstemperatur (°C):

Ingen data tillgänglig.

Explosionsgränser (% v/v):

Ingen data tillgänglig.

Löslighet

Löslighet i vatten:

Fullt lösligt

n-oktanol/vatten koefficient (LogKow):

Ingen data tillgänglig.

Löslighet i fett (g/L):

Ingen data tillgänglig.

9.2. Annan information

Andra fysikaliska och kemiska parametrar:

Ingen data tillgänglig.

Oxiderande egenskaper:

Ingen data tillgänglig.

AVSNITT 10: STABILITET OCH REAKTIVITET

10.1. Reaktivitet

Ingen data tillgänglig.

10.2. Kemisk stabilitet

Produkten är stabil under de förhållanden som anges i avsnitt 7 (Hantering och lagring).

10.3. Risken för farliga reaktioner

Inga kända.

10.4. Förhållanden som ska undvikas

Inga kända.

10.5. Oförenliga material

Starka syror, starka baser, starka oxidationsmedel och starka reduktionsmedel.

10.6. Farliga sönderdelningsprodukter

Under normala förvarings- och användningsförhållanden bör det inte skapas farliga nedbrytningsprodukter.

AVSNITT 11: TOXIKOLOGISK INFORMATION

11.1. Information om faroklasser enligt förordning (EG) nr 1272/2008

Akut toxicitet

Produkt/Ämne	2-(2-ethoxyethoxy)ethanol
Art:	Råtta
Exponeringsväg:	Inandning
Test:	LC0
Resultat:	0,025 mg/L

Produkt/Ämne	2-(2-ethoxyethoxy)ethanol
Testmetod:	OECD 402
Art:	Kanin
Exponeringsväg:	Hud
Test:	LD50
Resultat:	9143 mg/kg

Produkt/Ämne	2-(2-ethoxyethoxy)ethanol
Art:	Mus
Exponeringsväg:	Oralt
Test:	LD50
Resultat:	6031 mg/kg

Produkt/Ämne	väteperoxidlösning 35%
Art:	Råtta
Exponeringsväg:	Oralt
Test:	LD50

Resultat: 1.193 - 1.270 mg/L

Produkt/Ämne väteperoxidlösning 35%
Art: Kanin
Exponeringsväg: Hud
Test: LD50
Resultat: >2.000 (35% oplossing) mg/kg

Produkt/Ämne 1,2-bensisotiazol-3(2H)-on; 1,2-bensisotiazolin-3-on
Art: Råtta
Exponeringsväg: Oralt
Test: LD50
Resultat: 500 mg/kg

Kriterierna för klassificering kan på grundval av tillgängliga data inte anses vara uppfyllda.

Frätande/irriterande på huden

Produkt/Ämne 2-(2-ethoxyethoxy)ethanol
Resultat: Inga skadliga effekter observerades (Inte irriterande)

Produkt/Ämne väteperoxidlösning 35%
Resultat: Akuta effekter har observerats (Irriterande)

Produkt/Ämne 1,2-bensisotiazol-3(2H)-on; 1,2-bensisotiazolin-3-on
Testmetod: OECD 404
Resultat: Akuta effekter har observerats (Irriterande)

Kriterierna för klassificering kan på grundval av tillgängliga data inte anses vara uppfyllda.

Allvarlig ögonskada/ögonirritation

Produkt/Ämne 2-(2-ethoxyethoxy)ethanol
Resultat: Akuta effekter har observerats (Lätt irriterande)

Produkt/Ämne väteperoxidlösning 35%
Resultat: Akuta effekter har observerats (Orsakar allvarliga ögonskador)

Produkt/Ämne 1,2-bensisotiazol-3(2H)-on; 1,2-bensisotiazolin-3-on
Testmetod: OECD 405
Resultat: Akuta effekter har observerats (Orsakar allvarliga ögonskador)

Kriterierna för klassificering kan på grundval av tillgängliga data inte anses vara uppfyllda.

Luftvägssensibilisering

Produkt/Ämne väteperoxidlösning 35%
Resultat: Inga skadliga effekter observerades (inte sensibiliserande)

Kriterierna för klassificering kan på grundval av tillgängliga data inte anses vara uppfyllda.

Hudsensibilisering

Produkt/Ämne 1,2-bensisotiazol-3(2H)-on; 1,2-bensisotiazolin-3-on
Testmetod: OECD 429
Art: Mus
Resultat: Akuta effekter har observerats (sensibiliserande)

Produkt/Ämne 1,2-bensisotiazol-3(2H)-on; 1,2-bensisotiazolin-3-on
Testmetod: OECD 406
Art: Marsvin
Resultat: Akuta effekter har observerats (sensibiliserande)

Kriterierna för klassificering kan på grundval av tillgängliga data inte anses vara uppfyllda.

Mutagenitet i könsceller

Kriterierna för klassificering kan på grundval av tillgängliga data inte anses vara uppfyllda.

Cancerogenitet

Produkt/Ämne väteperoxidlösning 35%

Slutsats: Inga skadliga effekter observerades

Kriterierna för klassificering kan på grundval av tillgängliga data inte anses vara uppfyllda.

Reproduktionstoxicitet

Produkt/Ämne väteperoxidlösning 35%

Slutsats: Inga skadliga effekter observerades

Kriterierna för klassificering kan på grundval av tillgängliga data inte anses vara uppfyllda.

Specifik organtoxicitet – enstaka exponering

Kriterierna för klassificering kan på grundval av tillgängliga data inte anses vara uppfyllda.

Specifik organtoxicitet – upprepad exponering

Kriterierna för klassificering kan på grundval av tillgängliga data inte anses vara uppfyllda.

Fara vid aspiration

Produkt/Ämne väteperoxidlösning 35%

Kriterierna för klassificering kan på grundval av tillgängliga data inte anses vara uppfyllda.

11.2. Information om andra faror

Långsiktiga effekter

Inga kända.

Hormonstörande egenskaper

Denna blandning/produkt innehåller inga ämnen som anses ha hormonstörande egenskaper med avseende på hälsan.

Annan information

väteperoxidlösning 35%: Substansen har klassificerats i grupp 3 av IARC.

AVSNITT 12: EKOLOGISK INFORMATION

12.1. Toxicitet

Produkt/Ämne	2-(2-ethoxyethoxy)ethanol
Art:	Bakterier
Varaktighet:	16 hours
Resultat:	> 5000 mg/L

Produkt/Ämne	2-(2-ethoxyethoxy)ethanol
Testmetod:	OECD 201
Art:	Alger, <i>Desmodesmus subspicatus</i>
Varaktighet:	96 timmar
Test:	EC50
Resultat:	>100 mg/L

Produkt/Ämne	2-(2-ethoxyethoxy)ethanol
Testmetod:	OECD 202
Art:	<i>Daphnia magna</i>
Varaktighet:	48 timmar
Test:	EC50
Resultat:	1982 mg/L

Produkt/Ämne	2-(2-ethoxyethoxy)ethanol
Testmetod:	OECD 203
Art:	Fisk, <i>Ictalurus catus</i>
Varaktighet:	96 timmar
Test:	LC50
Resultat:	6010 mg/L

Produkt/Ämne	väteperoxidlösning 35%
Art:	Fisk, <i>Pimephales promelas</i>
Varaktighet:	96 timmar
Test:	LC50

Resultat: 16,4 mg/L

Produkt/Ämne väteperoxidlösning 35%
Art: Fisk, Leuciscus idus
Varaktighet: 72 timmar
Test: LC50
Resultat: 35 mg/L

Produkt/Ämne väteperoxidlösning 35%
Art: Fisk, Oncorhynchus mykiss
Varaktighet: 7 dagar
Test: LC50
Resultat: 38,5 mg/L

Produkt/Ämne väteperoxidlösning 35%
Art: Daphnia pulex
Varaktighet: 48 timmar
Test: EC50
Resultat: 2,4 mg/L

Produkt/Ämne väteperoxidlösning 35%
Art: Daphnia magna
Varaktighet: 24 timmar
Test: EC50
Resultat: 7,7 mg/L

Produkt/Ämne väteperoxidlösning 35%
Art: Skeletonema costatum
Varaktighet: 72 timmar
Test: EC50
Resultat: 1,38 mg/L

Produkt/Ämne väteperoxidlösning 35%
Testmetod: OECD 209
Art: Bakterier
Del av miljön: Aktiv slamanläggning
Varaktighet: 30 minutes
Test: EC50
Resultat: 466 mg/L

Produkt/Ämne väteperoxidlösning 35%
Testmetod: OECD 209
Art: Bakterier
Del av miljön: Aktiv slamanläggning
Varaktighet: 3 timmar
Test: EC50
Resultat: > 1.000 mg/L

Produkt/Ämne 1,2-bensisotiazol-3(2H)-on; 1,2-bensisotiazolin-3-on
Art: Fisk
Varaktighet: 96 timmar
Test: LC50
Resultat: >0.1-1 mg/L

Produkt/Ämne 1,2-bensisotiazol-3(2H)-on; 1,2-bensisotiazolin-3-on
Art: Kräftdjur
Varaktighet: 48 timmar
Test: EC50
Resultat: >0.1-1 mg/L

Produkt/Ämne 1,2-bensisotiazol-3(2H)-on; 1,2-bensisotiazolin-3-on

Art: Alger
Varaktighet: 72 timmar
Test: EC50
Resultat: >0.1-1 mg/L

Kriterierna för klassificering kan på grundval av tillgängliga data inte anses vara uppfyllda.

12.2. ▼ Persistens och nedbrytbarhet

Produkt/Ämne: 2-(2-ethoxyethoxy)ethanol
Resultat: 100 %
Slutsats: Lätt biologiskt nedbrytbar
Test: OECD 301 B

Produkt/Ämne: Alcohol, C13, bran., EO, sulfate Na~
Resultat: > 60 %
Slutsats: Lätt biologiskt nedbrytbar
Test: OECD 301 B

Produkt/Ämne: väteperoxidlösning 35%
Slutsats: Lätt biologiskt nedbrytbar

Produkt/Ämne: 1,2-bensisotiazol-3(2H)-on; 1,2-bensisotiazolin-3-on
Resultat: 90%
Slutsats: Lätt biologiskt nedbrytbar
Test: OECD 302

Den/de tensid(er) som ingår i denna beredning uppfyller kriterierna för biologisk nedbrytning i förordning (EG) nr 648/2004 om tvätt- och rengöringsmedel. Data som stöder detta påstående finns till förfogande för medlemsstaternas behöriga myndigheter, och kommer att göras tillgängliga för dem vid direkt förfrågan, eller vid förfrågan från tillverkare av tvätt- och rengöringsmedel.

12.3. ▼ Bioackumuleringsförmåga

Produkt/Ämne: 2-(2-ethoxyethoxy)ethanol
Slutsats: Lätt biologiskt nedbrytbar

Produkt/Ämne: 2-(2-ethoxyethoxy)ethanol
Slutsats: -

Produkt/Ämne: väteperoxidlösning 35%
LogKow: -1,57
Slutsats: -

Produkt/Ämne: 1,2-bensisotiazol-3(2H)-on; 1,2-bensisotiazolin-3-on
BCF: 2
LogKow: 1.45
Slutsats: Låg potential för bioackumulering

12.4. Rörlighet i jord

Ingen data tillgänglig.

12.5. Resultat av PBT- och vPvB-bedömningen

Denna blandning/produkt innehåller inga ämnen som anses uppfylla kriterierna för klassificering som PBT- och/eller vPvB-ämnen.

12.6. Hormonstörande egenskaper

Denna blandning/produkt innehåller inga ämnen som anses ha endokrinstörande egenskaper i förhållande till miljön.

12.7. Andra skadliga effekter

Inga kända.

AVSNITT 13: AVFALLSHANTERING

13.1. Avfallsbehandlingsmetoder

Denna produkt omfattas av bestämmelser om farligt avfall. (*)

HP 4 - Irriterande (hudirritation och ögonskador)

Avfallsförordning (SFS 2020:614).

EWC-kod:

20 01 30

Andra rengöringsmedel än de som anges i 20 01 29

Förorenad förpackning

Avfallskategorin är vägledande och beror på vilket sätt avfallet har blivit till. Förpackningar med restinnehåll av produkten skall kasseras på samma sätt som produkten.

AVSNITT 14: TRANSPORTINFORMATION

	14.1 UN	14.2 Officiell transportbenämning	14.3 Faroklass för transport	14.4 PG*	14.5 Env**	Annan information:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Förpackningsgrupp

** Miljöfaror

Annat

Ej farligt gods i enlighet med ADR, IATA och IMDG.

14.6. Särskilda skyddsåtgärder

Ej tillämpligt.

14.7. Bulktransport till sjöss enligt IMO:s instrument

Ingen data tillgänglig.

AVSNITT 15: GÄLLANDE FÖRESKRIFTER

15.1. Föreskrifter/lagstiftning om ämnet eller blandningen när det gäller säkerhet, hälsa och miljö

Användningsrestriktioner:

Endast för yrkesmässigt bruk.

Krav på särskild utbildning:

Inga särskilda krav.

SEVESO - Farokategorier / Farliga ämnen:

Ej tillämpligt.

Förordning om sprängämnesprekursorer:

väteperoxidlösning 35% (Bilaga I)

▼ Märkning av innehåll i enlighet med förordning (EG) nr 648/2004 om tvätt- och rengöringsmedel:

>5% - <15%

· Nonjontensider

< 5%

· Anjoniska tensider

· Syrebaserade blekmedel

· Parfym

· Konserveringsmedel (BENZISOTHIAZOLINONE)

Annat:

Den/de tensid(er) som ingår i denna beredning uppfyller kriterierna för biologisk nedbrytning i förordning (EG) nr 648/2004 om tvätt- och rengöringsmedel. Data som stöder detta påstående finns till förfogande för medlemsstaternas behöriga myndigheter, och kommer att göras tillgängliga för dem vid direkt förfrågan, eller vid förfrågan från tillverkare av tvätt- och rengöringsmedel.

Källor:

Europaparlamentets och rådets förordning (EG) nr 648/2004 av den 31 mars 2004 om tvätt- och rengöringsmedel.
Avfallsförordning (SFS 2020:614).
Rådets förordning (EU) 2019/1148 om sprängämnesprekursorer.
Europaparlamentets och rådets förordning (EG) nr 1272/2008 om klassificering, märkning och förpackning av ämnen och blandningar (CLP).
Europaparlamentets och rådets förordning (EG) nr 1907/2006 av den 18. december 2006 om registrering, utvärdering, godkännande och begränsning av kemikalier (REACH).

15.2. Kemikaliesäkerhetsbedömning

Nej

AVSNITT 16: ANNAN INFORMATION

Ordalydelse för H-fraser som anges i avsnitt 3

H271, Kan orsaka brand eller explosion. Starkt oxiderande.
H302, Skadligt vid förtäring.
H314, Orsakar allvarliga frätskador på hud och ögon.
H315, Irriterar huden.
H318, Orsakar allvarliga ögonskador.
H319, Orsakar allvarlig ögonirritation.
H332, Skadligt vid inandning.
H335, Kan orsaka irritation i luftvägarna.
H336, Kan göra att man blir dåsig eller omtöcknad.
H412, Skadliga långtidseffekter för vattenlevande organismer.

Förkortningar och akronymer

ADR = Europeisk överenskommelse om transport av farligt gods på väg
ATE = Uppskattad akut toxicitet
BCF = Biokoncentrationsfaktor
CAS = Registreringsnummer som tilldelats av Chemical Abstract Services
CE = Conformité Européenne (I överensstämmelse med EU-direktiven)
CLP = Europaparlamentets och rådets förordning (EG) 1272/2009 (CLP) om klassificering, märkning och förpackning av ämnen och blandningar
CSA = Kemikaliesäkerhetsbedömning
CSR = Kemikaliesäkerhetsrapport
DNEL = Härledd noll-effekt nivå (Derived No Effect Level)
EINECS = European Inventory of Existing Commercial chemical Substances
ES = Exponeringsscenario
EUH-faroorangivelser = kompletterande faroorangivelser enligt CLP
EuPCS = Det europeiska produktkategoriseringssystemet
EWC = Europeiska avfallskatalogen
GHS = Globalt harmoniserat system för klassificering och märkning av kemiska ämnen och beredningar
GWP = Potential att bidra till växthuseffekten
IATA = International Air Transport Association
IMDG = International Maritime Dangerous Goods
LogPow = logaritmen av fördelningskoefficienten oktanol/vatten
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
OECD = Organisation for Economic Co-operation and Development
PBT = Persistenta, bioackumulerande och toxiska
PNEC = Koncentration som sannolikt inte förorsakar negativ effekt
REACH = Registrering, utvärdering, godkännande och begränsning av kemikalier (Förordning (EG) nr 1907/2006)
RRN = REACH registreringsnummer
SCL = Specifik koncentrationbegränsning.
STOT-RE = Toxicitet för specifikt målorgan - upprepade exponering
STOT-SE = Toxicitet för specifikt målorgan - enstaka exponering
SVHC = Särskilt farliga ämnen
UVBC = Ämnen med okänd eller varierande sammansättning, komplexa reaktionsprodukter eller biologiskt material.
UN = Förenta Nationerna

VOC = Flyktiga organiska ämnen

vPvB = Mycket persistenta och mycket bioackumulerande

Annat

Ej tillämpligt.

Säkerhetsdatabladet är validerat av

Quality & Compliance

Annat

Modifierad data i jämförelse med tidigare utgåva är märkt med en trekant (Första siffran i SDB version).

Upplysningarna i detta säkerhetsdatablad är baserat på vår nuvarande kunskap. Informationen på säkerhetsdatabladen bygger på bästa tillgängliga data och gäller vid produktens avsedda hantering. Detta säkerhetsdatablad avser endast denna produkt och är eventuellt inte tillämpligt om produkten används som ingrediens i annan produkt. Användes produkten på annat sätt eller i annan applikation än den som produkten ursprungligen utvecklats för, eller rekommenderats till, sker detta helt under användarens ansvar. Avsikten med detta säkerhetsdatablad är att beskriva säkerhetskraven för produkten. Det får inte uppfattas som en garanti för produktens egenskaper och informationerna kan inte ersätta ett produktdatablad.

Det rekommenderas att detta säkerhetsdatablad lämnas till den faktiska användaren av produkten.

Land-språk: SE-sv

SAFETY DATA SHEET

i.1 all-purpose cleaner FlexDose

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product identifier

▼ *Trade name:*

i.1 all-purpose cleaner FlexDose

Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses of the substance or mixture:

Washing and cleaning products (including solvent based products)
Restricted to professional users.

Uses advised against :

None known.

Details of the supplier of the safety data sheet

Company and address:

Hygeniq B.V.
Postbus 618
7500 AP Enschede
The Netherlands
+31 53 4282860
+31 53 5393865
www.hygeniq.com

E-mail:

info@hygeniq.com

SDS date:

27/6/2025

SDS Version:

2.0

Date of previous version:

2/6/2025 (1.0)

Emergency telephone number

In an emergency call 995

In less severe situations call the Drugs & Poison Hotline: 6423 9119

See section 4 "First aid measures".

SECTION 2: HAZARDS IDENTIFICATION

Classification of the substance or mixture

Not classified according to SS 586-2:2022.

Label elements

Hazard pictogram(s):

Not applicable.

Signal word:

Not applicable.

Hazard statement(s):

Not applicable.

Precautionary statement(s):

General:

-

Prevention:

-

Response:

-

Storage:

-

Disposal:

-

Hazardous substances:

Does not contain any substances required to report

Additional labelling:

Not applicable.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Substances

Not applicable. This product is a mixture.

Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
Alcohol, C13, bran., EO, sulfate Na~	CAS No.: 150413-26-6 EC No.: 688-316-0	1-3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319	
hydrogen peroxide	CAS No.: 7722-84-1 EC No.: 231-765-0	1-3%	Ox. Liq. 1, H271 Acute Tox. 4, H302 Skin Corr. 1A, H314 (SCL: 70.00 %) Skin Corr. 1B, H314 (SCL: 50.00 %) Skin Irrit. 2, H315 (SCL: 35.00 %) Eye Dam. 1, H318 (SCL: 8.00 %) Eye Irrit. 2, H319 (SCL: 5.00 %) Acute Tox. 4, H332 STOT SE 3, H336 (SCL: 35.00 %)	
citroenzuurmonohydraat	CAS No.: 5949-29-1 EC No.: 611-842-9	<0.1%	Eye Irrit. 2, H319	

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information

-

SECTION 4: FIRST AID MEASURES

Description of first aid measures

General information:

In the case of accident: Contact a doctor or casualty department – bring the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

Inhalation:

In case of discomfort: bring the person into fresh air.

Skin contact:

Upon irritation: rinse with water. In the event of continued irritation, seek medical assistance.

Eye contact:

Rinse gently with lukewarm water. Remove any contact lenses if this is easy to do. Continue rinsing. In case of persistent eye irritation or discomfort: Seek medical help.

Ingestion:

Rinse and flush mouth thoroughly and consume large quantities of water. In case of continued discomfort: seek medical assistance and bring this safety data sheet.

Burns:

Not applicable.

Most important symptoms and effects, both acute and delayed

None known.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

Information to medics

Bring this safety data sheet or the label from this product.

SECTION 5: FIREFIGHTING MEASURES

Extinguishing media

Not applicable.

Special hazards arising from the substance or mixture

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

Carbon oxides (CO / CO₂)

Advice for firefighters

No specific requirements.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation, especially in confined areas.

Contaminated areas may be slippery.

Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.

Keep unauthorized persons away from the spill

Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

Reference to other sections

See section 13 "Disposal considerations" on handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling

Smoking, drinking and consumption of food is not allowed in the work area.
See section 8 "Exposure controls/personal protection" for information on personal protection.

Conditions for safe storage, including any incompatibilities

Recommended storage material:

Keep only in original packaging.

Storage conditions:

Dry, cool and well ventilated

Incompatible materials:

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

Specific end use(s)

This product should only be used for applications quoted in section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

hydrogen peroxide

Long term PEL (8 hours) (ppm): 1

Long term PEL (8 hours) (mg/m³): 1.4

Workplace Safety and Health Act (Chapter 354a, Section 65), Workplace Safety and Health (General Provisions) Regulations (G.N. No. S 134/2006) (Latest revision: January 2023)

Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

General recommendations:

Smoking, drinking and consumption of food is not allowed in the work area.

Exposure scenarios:

There are no exposure scenarios implemented for this product.

Exposure limits:

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

Appropriate technical measures:

The formation of vapours must be kept at a minimum and below current limit values (see above). Installation of a local exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure eyewash and emergency showers are clearly marked.

Apply standard precautions during use of the product. Avoid inhalation of vapours.

Hygiene measures:

Wash hands after use.

Measures to avoid environmental exposure:

No specific requirements.

Individual protection measures, such as personal protective equipment

Generally:

Use only protective equipment with a recognized certification mark, e.g. the S-Mark.

Respiratory Equipment:

Type	Class	Colour	Standards	
No special when used				

Type	Class	Colour	Standards	
as intended.				

Skin protection:

Recommended	Type/Category	Standards	
No special when used as intended.	-	-	

Hand protection:

Work situation	Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
	No special when used as intended	-	-	-	
In the event of prolonged exposure or high concentrations	Cotton/Latex	-	> 120	EN374-2, EN16523-1, EN388	

Eye protection:

Work situation	Type	Standards	
	No special when used as intended.	-	
In the event of prolonged exposure or high concentrations	Safety glasses with side shields.	EN166	

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Form:

Liquid

Colour:

Colourless

Odour:

Of perfume

Odour threshold (ppm):

No data available.

pH:

ca. 4.8

Density (g/cm³):

1.02 (20 °C)

Kinematic viscosity:

No data available.

Particle characteristics:

Does not apply to liquids.

Phase changes

Melting point/Freezing point (°C):

No data available.

Softening point/range (°C):

Does not apply to liquids.

Boiling point (°C):

No data available.

Vapour pressure:

No data available.

Relative vapour density:

No data available.

Decomposition temperature (°C):

No data available.

Evaporation rate (n-butylacetate = 100):

Data on fire and explosion hazards

Flash point (°C):

No data available.

Flammability (°C):

No data available.

Auto-ignition temperature (°C):

No data available.

Explosion limits (% v/v):

No data available.

Solubility

Solubility in water:

Completely soluble

n-octanol/water coefficient (LogKow):

No data available.

Solubility in fat (g/L):

No data available.

Other information

Other physical and chemical parameters:

No data available.

Oxidizing properties:

No data available.

SECTION 10: STABILITY AND REACTIVITY

Reactivity

No data available.

Chemical stability

The product is stable under the conditions, noted in section 7 "Handling and storage".

Possibility of hazardous reactions

None known.

Conditions to avoid

None known.

Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity

Product/substance	hydrogen peroxide

Conforms to Singapore Standard SS 586-3:2022

Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	1.193 - 1.270 mg/L

Product/substance	hydrogen peroxide
Species:	Rabbit
Route of exposure:	Dermal
Test:	LD50
Result:	>2.000 (35% oplossing) mg/kg

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	500 mg/kg

Based on available data, the classification criteria are not met.

Skin corrosion/irritation

Product/substance	hydrogen peroxide
Result:	Adverse effect observed (Irritating)

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Test method:	OECD 404
Result:	Adverse effect observed (Irritating)

Based on available data, the classification criteria are not met.

Serious eye damage/irritation

Product/substance	hydrogen peroxide
Result:	Adverse effect observed (Causes serious eye damage)

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Test method:	OECD 405
Result:	Adverse effect observed (Causes serious eye damage)

Based on available data, the classification criteria are not met.

Respiratory sensitisation

Product/substance	hydrogen peroxide
Result:	No adverse effect observed (not sensitising)

Based on available data, the classification criteria are not met.

Skin sensitisation

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Test method:	OECD 429
Species:	Mouse
Result:	Adverse effect observed (sensitising)

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Test method:	OECD 406
Species:	Guinea pig
Result:	Adverse effect observed (sensitising)

Based on available data, the classification criteria are not met.

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Product/substance	hydrogen peroxide
Conclusion:	No adverse effect observed

Based on available data, the classification criteria are not met.

hydrogen peroxide has been classified by IARC as a group 3 carcinogen.

Reproductive toxicity

Product/substance: hydrogen peroxide
Conclusion: No adverse effect observed

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Product/substance: hydrogen peroxide
Based on available data, the classification criteria are not met.

Long term effects

None known.

SECTION 12: ECOLOGICAL INFORMATION

Toxicity

Product/substance: hydrogen peroxide
Species: Fish, Pimephales promelas
Duration: 96 hours
Test: LC50
Result: 16,4 mg/L

Product/substance: hydrogen peroxide
Species: Fish, Leuciscus idus
Duration: 72 hours
Test: LC50
Result: 35 mg/L

Product/substance: hydrogen peroxide
Species: Fish, Oncorhynchus mykiss
Duration: 7 days
Test: LC50
Result: 38,5 mg/L

Product/substance: hydrogen peroxide
Species: Daphnia pulex
Duration: 48 hours
Test: EC50
Result: 2,4 mg/L

Product/substance: hydrogen peroxide
Species: Daphnia magna
Duration: 24 hours
Test: EC50
Result: 7,7 mg/L

Product/substance: hydrogen peroxide
Species: Skeletonema costatum
Duration: 72 hours
Test: EC50
Result: 1,38 mg/L

Product/substance: hydrogen peroxide
Test method: OECD 209
Species: Bacteria
Compartment: Activated Sludge Plant
Duration: 30 minutes

Conforms to Singapore Standard SS 586-3:2022

Test: EC50
Result: 466 mg/L

Product/substance: hydrogen peroxide
Test method: OECD 209
Species: Bacteria
Compartment: Activated Sludge Plant
Duration: 3 hours
Test: EC50
Result: > 1.000 mg/L

Product/substance: 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Species: Fish
Duration: 96 hours
Test: LC50
Result: >0.1-1 mg/L

Product/substance: 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Species: Crustacean
Duration: 48 hours
Test: EC50
Result: >0.1-1 mg/L

Product/substance: 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Species: Algae
Duration: 72 hours
Test: EC50
Result: >0.1-1 mg/L

Based on available data, the classification criteria are not met.

Persistence and degradability

Product/substance: Alcohol, C13, bran., EO, sulfate Na~
Result: > 60 %
Conclusion: Readily biodegradable
Test: OECD 301 B

Product/substance: hydrogen peroxide
Conclusion: Readily biodegradable

Product/substance: 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Result: 90%
Conclusion: Readily biodegradable
Test: OECD 302

Bioaccumulative potential

Product/substance: hydrogen peroxide
LogKow: -1,57
Conclusion: -

Product/substance: 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
BCF: 2
LogKow: 1.45
Conclusion: Potential for bioaccumulation is low

Mobility in soil

No data available.

Results of PBT and vPvB assessment

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

Other adverse effects

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

Dispose of contents/container to an approved waste disposal plant.
Environmental Protection and Management Act 1999 (2020 Rev. Ed.)

Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: TRANSPORT INFORMATION

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other informatio n:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Packing group

** Environmental hazards

Additional information

Not dangerous goods according to ADR, IATA and IMDG.

Special precautions for user

Not applicable.

Transport in bulk according to Annex II of Marpol and the IBC Code

No data available.

SECTION 15: REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

Restrictions for application:

Restricted to professional users.

Demands for specific education:

No specific requirements.

Major hazard installation:

Not applicable.

Additional information:

Not applicable.

Sources:

Employment Act 1968 (2020 Rev. Ed.)

Environmental Protection and Management Act 1999 (2020 Rev. Ed.)

Environmental Protection and Management Act (Chapter 94a, Section 77), Environmental Protection and Management (Hazardous Substances) Regulations (No. S 159/1999)

Globally Harmonized System of Classification and Labelling of Chemicals (GHS Rev. 8, 2019) as specified by SS 586-2 and SS 586-3:2022.

Chemical safety assessment

No

SECTION 16: OTHER INFORMATION

Full text of H-phrases as mentioned in section 3

H271, May cause fire or explosion; strong oxidiser.
H302, Harmful if swallowed.
H314, Causes severe skin burns and eye damage.
H315, Causes skin irritation.
H318, Causes serious eye damage.
H319, Causes serious eye irritation.
H332, Harmful if inhaled.
H336, May cause drowsiness or dizziness.

The full text of identified uses as mentioned in section 1

None known.

Abbreviations and acronyms

ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
CAS = Chemical Abstracts Service
EINECS = European Inventory of Existing Commercial chemical Substances
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IARC = International Agency for Research on Cancer
IATA = International Air Transport Association
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. (""Marpol"" = marine pollution)
OECD = Organisation for Economic Co-operation and Development
PBT = Persistent, Bioaccumulative and Toxic
PEL = Permissible Exposure Level
RCM = Regulatory Mark of Conformity
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
SCL = A specific concentration limit
SS = Singapore Standard
STEL = Short-term exposure limits
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
STOT-SE = Specific Target Organ Toxicity - Single Exposure
TWA = Time weighted average
UN = United Nations
UVBC = Unknown or variable composition, complex reaction products or of biological materials
VOC = Volatile Organic Compound
vPvB = Very Persistent and Very Bioaccumulative

Additional information

Not applicable.

The safety data sheet is validated by

Quality & Compliance

Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

Country-language: SG-en

VARNOSTNI LIST

i.1 all-purpose cleaner FlexDose

ODDELEK 1: IDENTIFIKACIJA SNOVI/ZMESI IN DRUŽBE/PODJETJA

1.1. Identifikator izdelka

▼ *Trgovsko ime:*

i.1 all-purpose cleaner FlexDose

1.2. Pomembne identificirane uporabe snovi ali zmesi in odsvetovane uporabe

Pomembne identificirane uporabe snovi ali zmesi:

Detergenti in čistilna sredstva (vključno s tistimi na osnovi topil)

Samo za poklicne uporabnike.

Odsvetovane uporabe:

Ni znano.

1.3. Podrobnosti o dobavitelju varnostnega lista

Podjetje in naslov podjetja:

Hygeniq B.V.

Lenteweg 15

7532 RV Enschede

Nederland

0534282860

E-pošta:

info@hygeniq.com

Sprememba:

27. 06. 2025

Različica SDS:

2.0

Datum prejšnje izdaje:

2. 06. 2025 (1.0)

1.4. Telefonska številka za nujne primere

112

Glejte oddelek 4 "Ukrepi za prvo pomoč"

ODDELEK 2: DOLOČITEV NEVARNOSTI

2.1. Razvrstitev snovi ali zmesi

Ni klasificirano v skladu z Uredbo (ES) št. 1272/2008 (CLP).

2.2. Elementi etikete

Piktogram(i) za nevarnost:

Se ne uporablja.

Opozorilna beseda:

Se ne uporablja.

Stavki o nevarnosti:

Se ne uporablja.

Previdnostni stavki:

Splošno:

-

Preprečevanje:

-

Odgovor:

-

Shramba:

-

Odstranjevanje:

-

Identiteta snovi, ki so primarno odgovorne za večja zdravstvena tveganja:

Ne vsebuje snovi, ki so potrebne za poročanje

Dodatno označevanje:

EUH210, Varnosti list na voljo na zahtevo.

Označevanje vsebine v skladu z Uredbo o detergentih 648/2004 (velja za embalažo detergentov, ki se prodajajo širši javnosti):

>5% - <15%

· Neionske površinsko aktivne snovi

< 5%

· Anionske površinsko aktivne snovi

· Belila na osnovi kisika

· Parfumi

· Konzervansu (BENZISOTHIAZOLINONE)

2.3. Druge nevarnosti

Dodatna opozorila:

Mešanica/izdelek ne vsebuje nobenih snovi, ki izpolnjujejo merila za razvrstitev kot PBT in/ali vPvB.

Ta proizvod ne vsebuje nobenih snovi, za katere se šteje, da so endokrini motilci v skladu z merili, določenimi v Delegirani uredbi Komisije (EU) 2017/2100 ali Uredbi Komisije (EU) 2023/707.

ODDELEK 3: SESTAVA/PODATKI O SESTAVINAH

3.1. Snovi

Se ne uporablja. Ta proizvod je mešanica.

3.2. Zmesi

Izdelek/sestavina	Identifikatorji	% w/w	Razvrstitev	Opombe
Alcohol, C13, bran., EO, sulfate Na~	Št. CAS: 150413-26-6 Št. ES: 688-316-0 REACH: Indeksna št.:	1-3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 3, H412	
vodikov peroksid v raztopini 35%	Št. CAS: 7722-84-1 Št. ES: 231-765-0 REACH: 01-2119485845-22-XXXX Indeksna št.: 008-003-00-9	1-3%	Ox. Liq. 1, H271 Acute Tox. 4, H302 Skin Corr. 1A, H314 (SCL: 70,00 %) Skin Corr. 1B, H314 (SCL: 50,00 %) Skin Irrit. 2, H315 (SCL: 35,00 %) Eye Dam. 1, H318 (SCL: 8,00 %) Eye Irrit. 2, H319 (SCL: 5,00 %) Acute Tox. 4, H332 STOT SE 3, H336 (SCL: 35,00 %)	

citroenzuurmonohydraat	Št. CAS: 5949-29-1 Št. ES: 611-842-9 REACH: 01-2119457026-42-XXXX Indeksna št.:	<0.1%	Eye Irrit. 2, H319	
Disodium tin hexahydroxide	Št. CAS: 12027-70-2 Št. ES: 234-724-5 REACH: 01-2120770924-45-XXXX Indeksna št.:	<0.05%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	[1]

Poglejte celotno besedilo o H-stavkih v oddelek 16. Mejne vrednosti poklicne izpostavljenosti so našteje v oddelek 8, če so na voljo.

Druge informacije

[1] Evropska mejna vrednost poklicne izpostavljenosti.

ODDELEK 4: UKREPI ZA PRVO POMOČ

4.1. Opis ukrepov za prvo pomoč

Splošne informacije:

V primeru nesreče: Stopite v stik z zdravnikom ali urgenco - vzemite nalepko ali ta varnostni list s sabo. Posvetujte z zdravnikom, če ste v dvomih o stanju poškodovanca ali če simptomi ne izginejo. Nikoli ne dajajte nezavestni osebi vode ali podobno.

Vdihavanje:

Ob težavah z dihanjem ali draženju dihal: Pospremite osebo na svež zrak in ostanite tam z njo.

Stik s kožo:

V primeru draženja: splahnite izdelek. V primeru ponavljajočega draženja: Poiščite zdravniško pomoč.

Stik z očmi:

Pri stiku z očmi: Oči spirajte z vodo ali fiziološko raztopino (20-30 ° C) najmanj 5 minut. Odstranite kontaktne leče. Poiščite zdravniško pomoč in nadaljujte z izpiranjem med prevozom.

Zaužitje:

Če je oseba pri zavesti, sperite usta z vodo in ostanite ob osebi. Če se oseba počuti slabo, se takoj posvetujte z zdravnikom in vzemite ta varnostni list ali etiketo z izdelka, z vami. Ne izzivajte bruhanja, razen če ga priporoča zdravnik. Držite glavo obrnjeno navzdol, tako da ne izbljuvek ne teče nazaj v usta in grlo.

Opekline:

Se ne uporablja.

4.2. Najpomembnejši simptomi in učinki, akutni in zapozneli

Ni znano.

4.3. Navedba kakršne koli takojšnje medicinske oskrbe in posebnega zdravljenja

Zdravite simptomatsko.

Navodila medicinskemu osebju

Prinesite ta varnostnega lista ali etiketo z materiala.

ODDELEK 5: PROTIPOŽARNI UKREPI

5.1. Sredstva za gašenje

Se ne uporablja.

5.2. Posebne nevarnosti v zvezi s snovjo ali zmesjo

Ob izbruhu ognja pride do gostega dima. Izpostavljenost kataboličnim izdelkom lahko škoduje vašemu zdravju. Zaprte posode, ki so izpostavljene ognju, je treba ohladiti z vodo. Preprečite, da bi voda, s katero je bil gašen požar,

iztekala v kanalizacijo in druge vodotoke.

Če je izdelek izpostavljen visokim temperaturam, kot v primeru požara, se proizvedejo nevarne katabolne snovi. To so: Ogljikovi oksidi (CO / CO₂)

5.3. Nasvet za gasilce

Ni posebnih zahtev.

ODDELEK 6: UKREPI OB NENAMERNIH IZPUSTIH

6.1. Osebnostni ukrepi, zaščitna oprema in postopki v sili

Zagotovite ustrezno prezračevanje, predvsem v zaprtih prostorih.
Kontaminirana območja so lahko spolzka.

6.2. Okoljevarstveni ukrepi

Izogibajte se izpustom v jezera, potoke, kanalizacijo, itd.
Nepooblaščen osebe naj se ne približujejo razlitju

6.3. Metode in materiali za zadrževanje in čiščenje

Razlitje omejite in zberite z nevljudnim, vpojnim materialom, npr. peskom, zemljo, vermikulitom ali diatomejsko zemljo, in dajte v posodo za odlaganje v skladu z lokalnimi predpisi.
Počistiti je potrebno v največji možni meri, z uporabo običajnih čistil. Izogibati se je potrebno topilom.

6.4. Skladičenje na druge oddelke

Glejte oddelek 13 "Odstranjevanje" za ravnanje z odpadki.
Za zaščitne ukrepe glejte oddelek 8 "Nadzor izpostavljenosti/osebna zaščita".

ODDELEK 7: RAVNANJE IN SKLADIŠČENJE

7.1. Varnostni ukrepi za varno ravnanje

V delovnih prostorih ni dovoljeno kajenje, uživanje hrane ali tekočine in shranjevanje tobaka, hrane ali tekočine.
Glejte oddelek "Nadzor izpostavljenosti/osebna zaščita" za informacije glede osebne zaščite.

7.2. Pogoji za varno skladiščenje, vključno z nezdružljivostjo

Posode, ki so bile odprte, se morajo previdno zatesniti in hraniti v pokončnem položaju, da se prepreči iztekanje.

Združljivostjo embalaže:

Hraniti samo v originalni embalaži.

Pogji skladiščenja:

Suho, hladno in dobro prezračeno

Nezdružljivi materiali:

Močne kisline, močne baze, močni oksidanti in močni reducenti.

7.3. Posebne končne uporabe

Ta izdelek se sme uporabljati le za uporabe, opisane v oddelek 1.2.

ODDELEK 8: NADZOR IZPOSTAVLJENOSTI/OSEBNA ZAŠČITA

8.1. Parametri nadzora

2-(2-ethoxyethoxy)ethanol

Kratkotrajna vrednost (15 min) (KTV) (ppm): 12

Kratkotrajna vrednost (15 min) (KTV) (mg/m³): 70

Mejne vrednosti (8 ur) (MV) (ppm): 6

Mejne vrednosti (8 ur) (MV) (mg/m³): 35

Opombe:

Y = Snovi, pri katerih ni nevarnosti za zarodek ob upoštevanju mejnih vrednosti in BAT-vrednosti.

vodikov peroksid v raztopini 35%

Kratkotrajna vrednost (15 min) (KTV) (mg/m³): 1

Mejne vrednosti (8 ur) (MV) (ppm): 1

Mejne vrednosti (8 ur) (MV) (mg/m³): 1,4

1602. Pravilnik o spremembah in dopolnitvah Pravilnika o varovanju delavcev pred tveganji zaradi izpostavljenosti kemičnim snovem pri delu, stran 4251.

DNEL

1,2-benzizotiazol-3(2H)-on; 1,2-benzizotiazolin-3-on; 1,2-benzizotiazol-3(2H)-on

Trajanje:	Način izpostavljenosti:	DNEL:
Dolgoročno - sistemski učinki - delavci	Dermalno	966 µg/kg bw/day
Dolgoročno - sistemski učinki - splošna populacija	Dermalno	0.345 mg/kg
Dolgoročno - sistemski učinki - delavci	Inhalacija	6.81 mg/m ³
Dolgoročno - sistemski učinki - splošna populacija	Inhalacija	1.2 mg/m ³

2-(2-ethoxyethoxy)ethanol

Trajanje:	Način izpostavljenosti:	DNEL:
Dolgoročno - sistemski učinki - delavci	Dermalno	50 mg/kg bw/day
Dolgoročno - sistemski učinki - delavci	Dermalno	83 mg/kg/day
Dolgoročno - sistemski učinki - splošna populacija	Dermalno	25 mg/kg/day
Dolgoročno - lokalni učinki - delavci	Inhalacija	18 mg/m ³
Dolgoročno - lokalni učinki - delavci	Inhalacija	30 mg/m ³
Dolgoročno - lokalni učinki - splošna populacija	Inhalacija	18,3 mg/m ³
Dolgoročno - lokalni učinki - splošna populacija	Inhalacija	18 mg/m ³
Dolgoročno - sistemski učinki - delavci	Inhalacija	37 mg/m ³
Dolgoročno - sistemski učinki - delavci	Inhalacija	61 mg/m ³
Dolgoročno - sistemski učinki - splošna populacija	Oralno	25 mg/kg bw/day

Disodium tin hexahydroxide

Trajanje:	Način izpostavljenosti:	DNEL:
Dolgoročno - sistemski učinki - delavci	Dermalno	3.37 mg/kg bw/day
Dolgoročno - sistemski učinki - splošna populacija	Dermalno	1.21 mg/kg bw/day
Dolgoročno - sistemski učinki - delavci	Inhalacija	11.9 mg/m ³
Dolgoročno - sistemski učinki - splošna populacija	Inhalacija	1.78 mg/m ³
Dolgoročno - sistemski učinki - splošna populacija	Oralno	1.21 mg/kg bw/day

vodikov peroksid v raztopini 35%

Trajanje:	Način izpostavljenosti:	DNEL:
Dolgoročno - lokalni učinki - delavci	Inhalacija	1.4 mg/m ³
Dolgoročno - lokalni učinki - splošna populacija	Inhalacija	0,21 mg/m ³
Dolgoročno - lokalni učinki - splošna populacija	Inhalacija	210 µg/m ³
Kratkoročno - lokalni učinki - delavci	Inhalacija	3 mg/m ³
Kratkoročno - lokalni učinki - splošna populacija	Inhalacija	1.93 mg/m ³

PNEC

1,2-benzizotiazol-3(2H)-on; 1,2-benzizotiazolin-3-on; 1,2-benzizotiazol-3(2H)-on

Način izpostavljenosti:	Trajanje izpostavljenosti:	PNEC:
Morska usedlina		4.99 µg/kg
Morska voda		403 ng/L
Naprava za čiščenje odplak		1.03 mg/L

Občasno spuščanje (morska voda)		110 ng/L
Občasno spuščanje (sladka voda)		1.1 µg/L
Sladka voda		4.03 µg/L
Sladkovona usedlina		49.9 µg/kg
Tla		3 mg/kg

2-(2-ethoxyethoxy)ethanol

Način izpostavljenosti:	Trajanje izpostavljenosti:	PNEC:
Morska usedlina		0,274 mg/kg
Morska voda		0,074 mg/L
Morska voda		0.198 mg/L
Naprava za čiščenje odplak		500 mg/L
Občasno spuščanje		10 mg/L
Občasno spuščanje (sladka voda)		10 mg/L
Sladka voda		0,74 mg/L
Sladka voda		1.98 mg/L
Sladkovona usedlina		2,47 mg/kg
Sladkovona usedlina		7.32 mg/kg
Tla		0,15 mg/kg
Tla		0.732 mg/kg
Tla		0.34 mg/kg

Disodium tin hexahydroxide

Način izpostavljenosti:	Trajanje izpostavljenosti:	PNEC:
Morska usedlina		139.46 µg/kg
Morska voda		3.31 µg/L
Naprava za čiščenje odplak		10 mg/L
Občasno spuščanje (morska voda)		33.1 µg/L
Občasno spuščanje (sladka voda)		331 µg/L
Sladka voda		33.1 µg/L
Sladkovona usedlina		1.395 mg/kg

vodikov peroksid v raztopini 35%

Način izpostavljenosti:	Trajanje izpostavljenosti:	PNEC:
Morska usedlina		0,047 mg/L
Morska usedlina		47 µg/kg
Morska voda		0,047 mg/L
Morska voda		12.6 µg/L
Naprava za čiščenje odplak		4.66 mg/L
Naprava za čiščenje odplak		4.66 mg/L
Občasno spuščanje (sladka voda)		13.8 µg/L
Sladka voda		0,0126 mg/L
Sladka voda		12.6 µg/L
Sladkovona usedlina		0,047 mg/kg
Sladkovona usedlina		47 µg/kg

Tla		0,023 mg/kg
Tla		2.3 µg/kg

8.2. Nadzor izpostavljenosti

Skladnost z navedenimi vrednostmi omejitev ob izpostavljenosti, je treba redno preverjati.

Splošna priporočila:

V delovnih prostorih ni dovoljeno kajenje, uživanje hrane ali tekočine in shranjevanje tobaka, hrane ali tekočine.

Scenariji izpostavljenosti:

Za ta izdelek ni scenarijev izpostavljenosti.

Omejitve izpostavljenosti:

Trgovci so zajeti v pravilih zakonodaje delovnega okolja glede najvišjih dovoljenih koncentracij izpostavljenosti.

Zgoraj si oglejte mejne vrednosti delovne higiene.

Primerni tehnični ukrepi:

Nastajanje pare naj bo minimalno in pod vrednostmi trenutne omejitve (glejte zgoraj.). Če v delovnem prostoru ni zadostnega normalnega zračnega pretoka, je priporočena namestitve lokalnega izpušnega sistema. Prepričajte se, da so zasilne enote za izpiranje oči in prhe jasno označene.

Med uporabo izdelka upoštevajte varnostne ukrepe. Izogibajte se vdihavanju hlapov.

Higienski ukrepi:

Kadarkoli si vzamete premor ob uporabi tega izdelka in ko ga prenehate uporabljati, je potrebno oprati vse izpostavljene površine telesa. Bodite posebej pozorni na roke, podlakti in obraz.

Ukrepi, da se prepreči okoljska izpostavljenost:

Ni posebnih zahtev.

Posamezni varnostni ukrepi, kot na primer osebna zaščitna oprema

Na splošno:

Uporabljajte samo zaščitno opremo z oznako CE.

Dihalna oprema:

Tip	Razred	Barva	Standarde	
Brez posebnosti, ko je v nameravani uporabi.				

Zaščita kože:

Priporočeno	Tipa/Kategorije	Standarde	
Brez posebnosti, ko je v nameravani uporabi	-	-	

Zaščita za roke:

Okoliščine na delovnem mestu	Material	Debelina rokavice (mm)	Čas prodiranja (min.)	Standarde	
	Brez posebnosti, ko je v nameravani uporabi	-	-	-	
V primeru dolgotrajne izpostavljenosti ali pri visokih koncentracijah	Bombaža / Naravna guma (lateks)	-	> 120	EN374-2, EN16523-1, EN388	

Zaščita za oči:

Okoliščine na delovnem mestu	Tip	Standarde	
	Brez posebnosti, ko je v nameravani uporabi.	-	
V primeru dolgotrajne izpostavljenosti ali pri visokih koncentracijah	Nosite varnostna očala s stranskimi ščitniki.	EN166	

ODDELEK 9: FIZIKALNE IN KEMIJSKE LASTNOSTI

9.1. Podatki o osnovnih fizikalnih in kemijskih lastnostih

Oblika:

Tekoč

Barva:

Brezbarven

Vonj / Mejne vrednosti vonja (ppm):

Odišavljen

pH:

ca. 4.8

Gostota (g/cm³):

1,02 (20 °C)

Kinematična viskoznost:

Podatki niso na voljo.

Lastnosti delcev:

Se ne uporablja za tekočine.

Spremembe faz

Tališče/ledišče (°C):

Podatki niso na voljo.

Zmehčišče (voskih in pastah) (°C):

Se ne uporablja za tekočine.

Vreliščna točka (°C):

Podatki niso na voljo.

Pritisk pare:

Podatki niso na voljo.

Relativna parna gostota:

Podatki niso na voljo.

Temperatura razpadanja (°C):

Podatki niso na voljo.

Podatki o nevarnostih požara in eksplozije

Plamenišče (°C):

Podatki niso na voljo.

Vnetljivost (°C):

Podatki niso na voljo.

Temperatura samovžiga (°C):

Podatki niso na voljo.

Omejitve eksplozije (Vol %):

Podatki niso na voljo.

Topnost

Topnost v vodi:

Povsem topno

n-oktanol / vodni koeficient (LogKow):

Podatki niso na voljo.

Topnost v maščobi (g/L):

Podatki niso na voljo.

9.2. Drugi podatki

Drugi fizikalni in kemijski parametri:

Podatki niso na voljo.

Oksidacijske lastnosti:

Podatki niso na voljo.

ODDELEK 10: OBSTOJNOST IN REAKTIVNOST

10.1. Reaktivnost

Podatki niso na voljo.

10.2. Kemijska stabilnost

Izdelek je stabilen v pogojih, ki so navedeni v oddelek 7 "Ravnanje in skladiščenje".

10.3. Možnost poteka nevarnih reakcij

Ni znano.

10.4. Pogoji, ki se jim je treba izogniti

Ni znano.

10.5. Nezdružljivi materiali

Močne kisline, močne baze, močni oksidanti in močni reducenti.

10.6. Nevarni produkti razgradnje

V običajnih pogojih shranjevanja in uporabe ne bi smeli nastajati nevarni produkti razgradnje.

ODDELEK 11: TOKSIKOLOŠKI PODATKI

11.1. Podatki o razredih nevarnosti, kakor so opredeljeni v Uredbi (ES) št. 1272/2008

Akutna toksičnost

Izdelek/sestavina	2-(2-ethoxyethoxy)ethanol
Vrste:	Podgana
Način izpostavljenosti:	Inhalacija
Test:	LC0
Rezultat:	0,025 mg/L

Izdelek/sestavina	2-(2-ethoxyethoxy)ethanol
Testni metoda:	OECD 402
Vrste:	Zajec
Način izpostavljenosti:	Dermalno
Test:	LD50
Rezultat:	9143 mg/kg

Izdelek/sestavina	2-(2-ethoxyethoxy)ethanol
Vrste:	Miš
Način izpostavljenosti:	Oralno
Test:	LD50
Rezultat:	6031 mg/kg

Izdelek/sestavina	vodikov peroksid v raztopini 35%
Vrste:	Podgana
Način izpostavljenosti:	Oralno
Test:	LD50
Rezultat:	1.193 - 1.270 mg/L

Izdelek/sestavina	vodikov peroksid v raztopini 35%
Vrste:	Zajec
Način izpostavljenosti:	Dermalno
Test:	LD50
Rezultat:	>2.000 (35% oplossing) mg/kg

Izdelek/sestavina	1,2-benzizotiazol-3(2H)-on; 1,2-benzizotiazolin-3-on;1,2-benzizotiazol-3(2H)-on
Vrste:	Podgana
Način izpostavljenosti:	Oralno
Test:	LD50
Rezultat:	500 mg/kg

Na podlagi razpoložljivih podatkov merila za razvrstitev niso izpolnjena.

Jedkost / draženje kože

Izdelek/sestavina	2-(2-ethoxyethoxy)ethanol
Rezultat:	Škodljivi učinki niso bili ugotovljeni (Ne draži)

Izdelek/sestavina	vodikov peroksid v raztopini 35%
Rezultat:	Ugotovljeni škodljivi učinki (Draži)

Izdelek/sestavina	1,2-benzizotiazol-3(2H)-on; 1,2-benzizotiazolin-3-on;1,2-benzizotiazol-3(2H)-on
Testni metoda:	OECD 404
Rezultat:	Ugotovljeni škodljivi učinki (Draži)

Na podlagi razpoložljivih podatkov merila za razvrstitev niso izpolnjena.

Resna poškodba/draženje oči

Izdelek/sestavina	2-(2-ethoxyethoxy)ethanol
Rezultat:	Ugotovljeni škodljivi učinki (Rahlo draži)

Izdelek/sestavina	vodikov peroksid v raztopini 35%
Rezultat:	Ugotovljeni škodljivi učinki (Povzroča hude poškodbe oči)

Izdelek/sestavina	1,2-benzizotiazol-3(2H)-on; 1,2-benzizotiazolin-3-on;1,2-benzizotiazol-3(2H)-on
Testni metoda:	OECD 405
Rezultat:	Ugotovljeni škodljivi učinki (Povzroča hude poškodbe oči)

Na podlagi razpoložljivih podatkov merila za razvrstitev niso izpolnjena.

Preobčutljivost dihal

Izdelek/sestavina	vodikov peroksid v raztopini 35%
Rezultat:	Škodljivi učinki niso bili ugotovljeni (ne senzibilizira)

Na podlagi razpoložljivih podatkov merila za razvrstitev niso izpolnjena.

Preobčutljivost kože

Izdelek/sestavina	1,2-benzizotiazol-3(2H)-on; 1,2-benzizotiazolin-3-on;1,2-benzizotiazol-3(2H)-on
Testni metoda:	OECD 429
Vrste:	Miš
Rezultat:	Ugotovljeni škodljivi učinki (povzroča preobčutljivost)

Izdelek/sestavina	1,2-benzizotiazol-3(2H)-on; 1,2-benzizotiazolin-3-on;1,2-benzizotiazol-3(2H)-on
Testni metoda:	OECD 406
Vrste:	Morski prašiček
Rezultat:	Ugotovljeni škodljivi učinki (povzroča preobčutljivost)

Na podlagi razpoložljivih podatkov merila za razvrstitev niso izpolnjena.

Mutagenost zarodnih celic

Na podlagi razpoložljivih podatkov merila za razvrstitev niso izpolnjena.

Rakotvornost

Izdelek/sestavina	vodikov peroksid v raztopini 35%
Zaključek:	Škodljivi učinki niso bili ugotovljeni

Na podlagi razpoložljivih podatkov merila za razvrstitev niso izpolnjena.

Razmnoževalna toksičnost

Izdelek/sestavina	vodikov peroksid v raztopini 35%
Zaključek:	Škodljivi učinki niso bili ugotovljeni

Na podlagi razpoložljivih podatkov merila za razvrstitev niso izpolnjena.

STOT-enkratna izpostavljenost

Na podlagi razpoložljivih podatkov merila za razvrstitev niso izpolnjena.

STOT-ponavljajoča izpostavljenost

Na podlagi razpoložljivih podatkov merila za razvrstitev niso izpolnjena.

Nevarnost pri vdihavanju

Izdelek/sestavina: vodikov peroksid v raztopini 35%

Na podlagi razpoložljivih podatkov merila za razvrstitev niso izpolnjena.

11.2. Podatki o drugih nevarnostih

Dolgoročni učinki

Ni znano.

Lastnosti endokrinih motilcev

Ta mešanica/izdelek ne vsebuje nobene snovi, za katero se šteje, da ima lastnosti hormonskega motilca v zvezi z zdravjem

Drugi podatki

odikov peroksid v raztopini 35%: Agencija IARC je snov razvrstila v skupino 3.

ODDELEK 12: EKOLOŠKI PODATKI

12.1. Strupenost

Izdelek/sestavina	2-(2-ethoxyethoxy)ethanol
Vrste:	Bakterije
Trajanje:	16 hours
Rezultat:	> 5000 mg/L

Izdelek/sestavina	2-(2-ethoxyethoxy)ethanol
Testni metoda:	OECD 201
Vrste:	Alge, <i>Desmodesmus subspicatus</i>
Trajanje:	96 ur
Test:	EC50
Rezultat:	>100 mg/L

Izdelek/sestavina	2-(2-ethoxyethoxy)ethanol
Testni metoda:	OECD 202
Vrste:	<i>Daphnia magna</i>
Trajanje:	48 ur
Test:	EC50
Rezultat:	1982 mg/L

Izdelek/sestavina	2-(2-ethoxyethoxy)ethanol
Testni metoda:	OECD 203
Vrste:	Riba, <i>Ictalurus catus</i>
Trajanje:	96 ur
Test:	LC50
Rezultat:	6010 mg/L

Izdelek/sestavina	vodikov peroksid v raztopini 35%
Vrste:	Riba, <i>Pimephales promelas</i>
Trajanje:	96 ur
Test:	LC50
Rezultat:	16,4 mg/L

Izdelek/sestavina	vodikov peroksid v raztopini 35%
Vrste:	Riba, <i>Leuciscus idus</i>
Trajanje:	72 ur
Test:	LC50

Rezultat: 35 mg/L

Izdelek/sestavina: vodikov peroksid v raztopini 35%
Vrste: Riba, Oncorhynchus mykiss
Trajanje: 7 dneh
Test: LC50
Rezultat: 38,5 mg/L

Izdelek/sestavina: vodikov peroksid v raztopini 35%
Vrste: Daphnia pulex
Trajanje: 48 ur
Test: EC50
Rezultat: 2,4 mg/L

Izdelek/sestavina: vodikov peroksid v raztopini 35%
Vrste: Daphnia magna
Trajanje: 24 ur
Test: EC50
Rezultat: 7,7 mg/L

Izdelek/sestavina: vodikov peroksid v raztopini 35%
Vrste: Skeletonema costatum
Trajanje: 72 ur
Test: EC50
Rezultat: 1,38 mg/L

Izdelek/sestavina: vodikov peroksid v raztopini 35%
Testni metoda: OECD 209
Vrste: Bakterije
Oddelek okolja: Naprava z aktivnim blatom
Trajanje: 30 minutes
Test: EC50
Rezultat: 466 mg/L

Izdelek/sestavina: vodikov peroksid v raztopini 35%
Testni metoda: OECD 209
Vrste: Bakterije
Oddelek okolja: Naprava z aktivnim blatom
Trajanje: 3 ur
Test: EC50
Rezultat: > 1.000 mg/L

Izdelek/sestavina: 1,2-benzizotiazol-3(2H)-on; 1,2-benzizotiazolin-3-on; 1,2-benzizotiazol-3(2H)-on
Vrste: Riba
Trajanje: 96 ur
Test: LC50
Rezultat: >0.1-1 mg/L

Izdelek/sestavina: 1,2-benzizotiazol-3(2H)-on; 1,2-benzizotiazolin-3-on; 1,2-benzizotiazol-3(2H)-on
Vrste: Rak
Trajanje: 48 ur
Test: EC50
Rezultat: >0.1-1 mg/L

Izdelek/sestavina: 1,2-benzizotiazol-3(2H)-on; 1,2-benzizotiazolin-3-on; 1,2-benzizotiazol-3(2H)-on
Vrste: Alge
Trajanje: 72 ur
Test: EC50
Rezultat: >0.1-1 mg/L

Na podlagi razpoložljivih podatkov merila za razvrstitev niso izpolnjena.

12.2. Obstočnost in razgradljivost

Izdelek/sestavina	2-(2-ethoxyethoxy)ethanol
Rezultat:	100 %
Zaključek:	Hiter biološki razkroj
Test:	OECD 301 B

Izdelek/sestavina	Alcohol, C13, bran., EO, sulfate Na~
Rezultat:	> 60 %
Zaključek:	Hiter biološki razkroj
Test:	OECD 301 B

Izdelek/sestavina	vodikov peroksid v raztopini 35%
Zaključek:	Hiter biološki razkroj

Izdelek/sestavina	1,2-benzizotiazol-3(2H)-on; 1,2-benzizotiazolin-3-on; 1,2-benzizotiazol-3(2H)-on
Rezultat:	90%
Zaključek:	Hiter biološki razkroj
Test:	OECD 302

Tenzid (i), ki je (so) prisoten (prisotni) v tem pripravku, izpolnjuje (jo) vse pravne predpise za biološko razgradnjo, kot je v Uredbi (EG) št. 648/2004 za detergente dolo č eno. Predloge, ki se nanašajo na to potrdilo, bodo odgovornim oblastem držav članic zagotovljene – na razpolago bodo na direktno zahtevo ali na zahtevo proizvajalca detergentov.

12.3. Zmožnost kopičenja v organizmih

Izdelek/sestavina	2-(2-ethoxyethoxy)ethanol
Zaključek:	Hiter biološki razkroj

Izdelek/sestavina	2-(2-ethoxyethoxy)ethanol
Zaključek:	-

Izdelek/sestavina	vodikov peroksid v raztopini 35%
LogKow:	-1,57
Zaključek:	-

Izdelek/sestavina	1,2-benzizotiazol-3(2H)-on; 1,2-benzizotiazolin-3-on; 1,2-benzizotiazol-3(2H)-on
BCF:	2
LogKow:	1.45
Zaključek:	Potencial za bioakumulacijo je nizek

12.4. Mobilnost v tleh

Podatki niso na voljo.

12.5. Rezultati ocene PBT in vPvB

Mešanica/izdelek ne vsebuje nobenih snovi, ki izpolnjujejo merila za razvrstitev kot PBT in/ali vPvB.

12.6. Lastnosti endokrinih motilcev

Ta mešanica/izdelek ne vsebuje nobene snovi, za katero se šteje, da ima lastnosti endokrinega motilca v zvezi z okoljem.

12.7. Drugi škodljivi učinki

Ni znano.

ODDELEK 13: ODSTRANJEVANJE

13.1. Metode ravnanja z odpadki

Izdelek je zajet v predpisih o nevarnih odpadkih. (*)

HP 4 - Dražilno (draženje kože in poškodba oči)

Uredba (EU) št. 1357/2014 z dne 18. decembra 2014 o odpadkih.

EWC koda:

20 01 30

čistila, ki niso zajeta v 20 01 29

Kontaminirana embalaža

Embalažo, ki vsebuje ostanke iz izdelka, je treba odstraniti na enak način, kot izdelek.

ODDELEK 14: PODATKI O PREVOZU

	14.1 ZN	14.2 Pravilno odpremno ime ZN	14.3 Razredi nevarnosti prevoza	14.4 PG*	14.5 Env**	Druge informacije:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Skupina embalaže

** Nevarnosti za okolje

Dodatne informacije

Ni naveden kot nevarno blago, v skladu s predpisi ADR, IATA in IMDG.

14.6. Posebni previdnostni ukrepi za uporabnika

Se ne uporablja.

14.7. Pomorski prevoz v razsutem stanju v skladu z instrumenti IMO

Podatki niso na voljo.

ODDELEK 15: ZAKONSKO PREDPISANI PODATKI

15.1. Predpisi/zakonodaja o zdravju, varnosti in okolju, specifični za snov ali zmes

Omejitve za uporabo:

Samo za poklicne uporabnike.

Zahteve za posebno izobraževanje:

Ni posebnih zahtev.

SEVESO - Kategorije nevarnih snovi / Imenovane nevarne snovi:

Se ne uporablja.

Uredba o predhodnih sestavin za eksplozive:

vodikov peroksid v raztopini 35% (Priloga I)

Označevanje vsebine v skladu z Uredbo o detergentih 648/2004:

>5% - <15%

· Neionske površinsko aktivne snovi

< 5%

· Anionske površinsko aktivne snovi

· Belila na osnovi kisika

· Parfumi

· Konzervansi (BENZISOTHIAZOLINONE)

Dodatne informacije:

Tenzid (i), ki je (so) prisoten (prisotni) v tem pripravku, izpolnjuje (jo) vse pravne predpise za biološko razgradnjo, kot je v Uredbi (EG) št. 648/2004 za detergente dolo č eno. Predloge, ki se nanašajo na to potrdilo, bodo odgovornim oblastem držav članic zagotovljene – na razpolago bodo na direktno zahtevo ali na zahtevo proizvajalca detergentov.

Viri:

Uredba (ES) št. 648/2004 Evropskega parlamenta in Sveta z dne 31. marca 2004 o detergentih.

Uredba (EU) št. 1357/2014 z dne 18. decembra 2014 o odpadkih.

Uredba (EU) 2019/1148 o predhodnih sestavin za eksplozive.

Uredba (ES) št. 1272/2008 Evropskega parlamenta in Sveta z dne 16. decembra 2008 o razvrščanju, označevanju in pakiranju snovi ter zmesi (CLP).

Uredba (ES) št. 1907/2006 Evropskega Parlamenta in Sveta z dne 18. decembra 2006 o registraciji, evalvaciji,

avtorizaciji in omejevanju kemikalij (REACH).

15.2. Ocena kemijske varnosti

Ne

ODDELEK 16: DRUGI PODATKI

Celotno besedilo o H-stavkih, kot je omenjeno v oddelek 3

H271, Lahko povzroči požar ali eksplozijo; močna oksidativna snov.

H302, Zdravju škodljivo pri zaužitju.

H314, Povzroča hude opekline kože in poškodbe oči.

H315, Povzroča draženje kože.

H318, Povzroča hude poškodbe oči.

H319, Povzroča hudo draženje oči.

H332, Zdravju škodljivo pri vdihavanju.

H335, Lahko povzroči draženje dihalnih poti.

H336, Lahko povzroči zaspanost ali omotico.

H412, Škodljivo za vodne organizme, z dolgotrajnimi učinki.

Okrajšave in akronimi

ADN = Evropski sporazum o mednarodnem prevozu nevarnih snovi po celinskih vodah/po Renu

ADR = Evropski sporazum o mednarodnem cestnem prevozu nevarnega blaga

ATE = ocena akutne strupenosti

BCF = biokoncentracijski faktor

CAS = Služba za izmenjavo kemijskih izvlečkov

CE = Evropska skladnost

CLP = Uredba (ES) št. 1272/2008 o razvrščanju, označevanju in pakiranju snovi ter zmesi

CSA = Ocena kemijske varnosti

CSR = Poročilo o kemijski varnosti

DNEL = Izpeljana raven brez učinka

EINECS = Evropski seznam kemičnih snovi, ki so na trgu

ES = Scenarij izpostavljenosti

EUH = CLP - specifičen stavek nevarnosti

EuPCS = Evropski sistem kategorizacije proizvodov

EWC = Evropski katalog odpadkov

GHS = Globalno usklajen sistem Združenih narodov za razvrščanje in označevanje kemikalij

GWP = Potencial globalnega segrevanja

HOS = Hlapna organska snov

IATA = Mednarodno združenje letalskih prevoznikov

IMDG = Mednarodni kodeks o prevozu nevarnega blaga po morju

LogPow = logaritem porazdelitvenega koeficienta oktanol/voda

MARPOL = Mednarodna konvencija o preprečevanju onesnaževanja morja z ladij, 1973, in njen Protokol iz leta 1978

MV = časovna povprečna

OECD = Organizacija za gospodarsko sodelovanje in razvoj

PBT = Obstoje, bioakumulativen in strupen

PNEC = predvidena koncentracija brez učinka

RID = Pravilnik o mednarodnem železniškem prevozu nevarnega blaga

RRN = Registracijska številka REACH

SCL = Posebne mejne koncentracije.

SVHC = snov, ki vzbuja veliko zaskrbljenost

STOT-RE = Specifična strupenost za ciljne organe - ponavljajoča se izpostavljenost

STOT-SE = Specifična strupenost za ciljne organe - enkratna izpostavljenost

UVCB = Pomeni snovi z neznano ali spremenljivo sestavo, kompleksne reakcijske produkte ali biološke materiale.

vPvB = zelo obstojen in zelo bioakumulativen

ZN = Združeni narodi

Dodatne informacije

Se ne uporablja.

Varnostnega lista je ovrednotil

Quality & Compliance

Drugo

Sprememba (v razmerju do zadnje bistvene spremembe (prva številka v različici SDS)) je označena z trikotnikom.

Podatki v tem varnostnega lista, veljajo samo za ta poseben izdelek (navedeno v oddelek 1) in niso nujno primerni za uporabo z drugimi kemikalijami/izdelki.

Priporočljivo je, da se izroči ta varnostnega lista dejanskemu uporabniku izdelka. Podatki v tem varnostnem listu se ne morejo uporabljati kot specifikacija izdelka.

Država-jezik: SI-sl

KARTA BEZPEČNOSTNÝCH ÚDAJOV

i.1 all-purpose cleaner FlexDose

ODDIEL 1: IDENTIFIKÁCIA LÁTKY/ZMESI A SPOLOČNOSTI/PODNIKU

1.1. Identifikátor produktu

▼ *Názov produktu:*

i.1 all-purpose cleaner FlexDose

1.2. Relevantné identifikované použitia látky alebo zmesi a použitia, ktoré sa neodporúčajú

Relevantné identifikované použitia látky alebo zmesi:

Čistiace a čistiace prostriedky (vrátane tých na báze rozpúšťadiel)
Len na odborné použitie.

Neodporúčané spôsoby použitia:

Žiadne známe.

1.3. Údaje o dodávateľovi karty bezpečnostných údajov

Spoločnosť a adresa:

Hygieniq B.V.
Lenteweg 15
7532 RV Enschede
Nederland
0534282860

E-mail:

info@hygieniq.com

Revízia:

27. 6. 2025

Verzia KBÚ:

2.0

Dátum predchádzajúceho vydania:

2. 6. 2025 (1.0)

1.4. Núdzové telefónne číslo

Použite vaše štátne +421 2 5477 4166 alebo miestne tiesňové číslo.
Pozri oddiel 4 "Opatrenia prvej pomoci".

ODDIEL 2: IDENTIFIKÁCIA NEBEZPEČNOSTI

2.1. Klasifikácia látky alebo zmesi

Nie je klasifikovaný podľa nariadenia (ES) č. 1272/2008 (CLP).

2.2. Prvky označovania

Výstražný/-é piktogram/-y:

Nerelevantné.

Výstražné slová:

Nerelevantné.

Výstražné upozornenie/-a:

Nerelevantné.

Bezpečnostné upozornenia:

Všeobecné:

-

Prevenia:

-

Odozva:

-

Uchovávanie:

-

Zneškodňovanie:

-

Identifikácia látok primárne zodpovedných za hlavné zdravotné riziká:

Neobsahuje žiadne látky, ktoré ste povinný nahlásiť

Ďalšie označovanie (etiketácia):

EUH210, Na požiadanie možno poskytnúť kartu bezpečnostných údajov.

Označovanie obsahu podľa nariadenia o detergentoch 648/2004 (platí pre obaly detergentov predávaných širokej verejnosti):

>5% - <15%

· Neionogénne povrchovo aktívne látky

< 5%

· Aniónové povrchovo aktívne látky

· Bieliace činidlá na báze kyseliny

· Parfumy

· Konzervačnej (BENZISOTHIAZOLINONE)

2.3. Iná nebezpečnosť

Ďalšie upozornenia:

Táto zmes/tento výrobok neobsahuje žiadne látky považované za také, ktoré by spĺňali kritériá na ich klasifikáciu ako PBT a/alebo vPvB.

Tento výrobok neobsahuje žiadne látky považované za endokrinné disruptory v súlade s kritériami stanovenými v delegovanom nariadení Komisie (EÚ) 2017/2100 alebo v nariadení Komisie (EÚ) 2023/707.

ODDIEL 3: ZLOŽENIE/INFORMÁCIE O ZLOŽKÁCH

3.1. Látky

Nerelevantné. Tento výrobok je zmes.

3.2. Zmesi

Výrobok/prísada	Identifikácia	% w/w	Klasifikácia	Názov komponentu
Alcohol, C13, bran., EO, sulfate Na~	Č. CAS: 150413-26-6 Č. EC: 688-316-0 REACH: Indexové č.:	1-3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 3, H412	
peroxid vodíka, roztok 35%	Č. CAS: 7722-84-1 Č. EC: 231-765-0 REACH: 01-2119485845-22-XXXX Indexové č.: 008-003-00-9	1-3%	Ox. Liq. 1, H271 Acute Tox. 4, H302 Skin Corr. 1A, H314 (SCL: 70,00 %) Skin Corr. 1B, H314 (SCL: 50,00 %) Skin Irrit. 2, H315 (SCL: 35,00 %) Eye Dam. 1, H318 (SCL: 8,00 %) Eye Irrit. 2, H319 (SCL: 5,00 %)	

			Acute Tox. 4, H332 STOT SE 3, H336 (SCL: 35,00 %)	
citroenzuurmonohydraat	Č. CAS: 5949-29-1 Č. EC: 611-842-9 REACH: 01-2119457026-42-XXXX Indexové č.:	<0.1%	Eye Irrit. 2, H319	
Disodium tin hexahydroxide	Č. CAS: 12027-70-2 Č. EC: 234-724-5 REACH: 01-2120770924-45-XXXX Indexové č.:	<0.05%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	[1]

Pozri plné znenie H-viet v oddiele 16. Limity v pracovnom prostredí sú uvedené v oddiele 8, ak sú k dispozícii.

Ďalšie informácie

[1] Európske obmedzenie pôsobenia v zamestnaní.

ODDIEL 4: OPATRENIA PRVEJ POMOCI

4.1. Opis opatrení prvej pomoci

Všeobecné informácie:

V prípade nehody: Vyhľadajte lekára alebo pohotovostnú službu - vezmite si so sebou etiketu alebo tento bezpečnostný list.

Kontaktujte lekára, ak máte pochybnosti o stave postihnutej osoby alebo ak príznaky pretrvávajú. Nikdy nedávajte osobe v bezvedomí vodu ani iné tekutiny.

Vdýchnutie:

Pri dýchacích ťažkostiach alebo podráždení dýchacích ciest: Premiestnite postihnutého na čerstvý vzduch a zostaňte pri ňom.

Styk s pokožkou:

V prípade podráždenia: produkt opláchnite. V prípade pretrvávajúceho podráždenia: Vyhľadajte lekársku pomoc.

Zasiahnutie očí:

Po zasiahnutí očí: Oči vyplachujte vodou (20 - 30 °C) minimálne po dobu 5 minút. Vyberte kontaktné šošovky. Zavolajte lekára.

Požitie:

Ak je postihnutý pri vedomí, vypláchnite mu ústa vodou a zostaňte pri ňom. Ak sa postihnutý necíti dobre, vyhľadajte ihneď lekára. Vezmite so sebou aj tento bezpečnostný list alebo etiketu produktu. Nevyvolávajte zvracanie, pokiaľ vám to neodporučí lekár. Držte hlavu smerom k zemi tak, aby žiadne zvratky nezostali vo vašich ústach alebo hrdle.

Popáleniny:

Nerelevantné.

4.2. Najdôležitejšie príznaky a účinky, akútne aj oneskorené

Žiadne známe.

4.3. Údaj o akejkoľvek potrebe okamžitej lekárskej starostlivosti a osobitného ošetrovania

Ošetrujte na základe symptómov.

Informácie pre zdravotníkov

Vezmite so sebou tento karty bezpečnostných údajov alebo etiketu materiálu.

ODDIEL 5: PROTIPOŽIARNE OPATRENIA

5.1. Hasiace prostriedky

Nerelevantné.

5.2. Osobitné ohrozenia vyplývajúce z látky alebo zo zmesi

V dôsledku požiaru vznikne hustý dym. Kontakt s katabolickými produktmi môže viesť k poškodeniu vášho zdravia. Uzavreté nádoby, ktoré sú vystavené požiaru, sa musia ochladiť vodou. Nedovoľte, aby hasiaca voda prenikla do kanalizácie a iných vodných tokov.

Ak je produkt vystavený vysokým teplotám, ako napr. v prípade požiaru, vznikajú nebezpečné katabolické látky. Ide o: Oxidy uhlíka (CO / CO₂)

5.3. Pokyny pre požiarnikov

Žiadne špecifické požiadavky

ODDIEL 6: OPATRENIA PRI NÁHODNOM UVOLNENÍ

6.1. Osobné bezpečnostné opatrenia, ochranné vybavenie a núdzové postupy

Zabezpečte primerané vetranie, hlavne v obmedzených priestoroch.
Kontaminované plochy môžu byť klzké.

6.2. Bezpečnostné opatrenia pre životné prostredie

Zabráňte vypúšťaniu do jazier, potokov, kanalizácií, atď.
Zabráňte prístupu nepovoláných osôb k úniku.

6.3. Metódy a materiál na zabránenie šíreniu a vyčistenie

Uniknutý materiál zachyťte a pozbierajte pomocou nehorľavého absorpčného materiálu, napr. piesku, zeminy, vermikulitu alebo kremeliny, a umiestnite do nádoby na likvidáciu v súlade s miestnymi predpismi.
Podľa možností čistenie vykonajte za použitia bežných čistiacich prostriedkov. Nepoužívajte rozpúšťadlá.

6.4. Odkaz na iné oddiely

Pozri oddiel 13 "Opatrenia pri zneškodňovaní" o nakladaní s odpadmi.
Pozri oddiel 8 "Kontroly expozície/osobná ochrana" o ochranných opatreniach.

ODDIEL 7: ZAOBCHÁDZANIE A SKLADOVANIE

7.1. Bezpečnostné opatrenia na bezpečné zaobchádzanie

Fajčenie, konzumácia potravín alebo tekutín a skladovanie tabaku, potravín alebo tekutín sú v pracovnej miestnosti zakázané.
Pozri oddiel "Kontroly expozície/osobná ochrana" o informáciách o osobnej ochrane.

7.2. Podmienky bezpečného skladovania vrátane akejkoľvek nekompatibility

Obaly, ktoré boli otvorené, starostlivo utesnite a uchovajte vo zvislej polohe, aby ste zabránili úniku.

Kompatibilita obalov:

Uchovávať iba v pôvodnom balení.

Podmienky skladovania:

Suché, chladné a dostatočne vetrané

Nekompatibilné materiály:

Silné kyseliny, silné zásady, silné oxidačné činidlá a silné katabolické činidlá.

7.3. Špecifické konečné použitie, resp. použitia

Tento produkt sa môže používať len v prípadoch popísaných v oddieli 1.2.

ODDIEL 8: KONTROLY EXPOZÍCIE/OSOBNÁ OCHRANA

8.1. Kontrolné parametre

peroxid vodíka, roztok 35%

Najvyššie prípustné expozičné limity (priemerný) (mg/m³): 1,4

Najvyššie prípustné expozičné limity (priemerný) (ppm): 1

Najvyššie prípustné expozičné limity (krátkodobý) (mg/m³): 2,8

Najvyššie prípustné expozičné limity (krátkodobý) (ppm): 2

NARIADENIE VLÁDY Slovenskej republiky z 10. mája 2006 o ochrane zamestnancov pred rizikami súvisiacimi s expozíciou chemickým faktorom pri práci. 355/2006 Z.z. (Zmena: 122/2024 Z.z.)

DNEL

1,2-benzizotiazol-3(2H)-ón; 1,2-benzizotiazolín-3-ón; 1,2-benzizotiazolín-3-ón

Doba:	Priebeh vystavenia:	DNEL:
Dlhodobý – systémové účinky - zamestnanci	Dermálne	966 µg/kg bw/day
Dlhodobý – systémové účinky - všeobecná populácia	Dermálne	0.345 mg/kg
Dlhodobý – systémové účinky - zamestnanci	Vdýchnutie	6.81 mg/m ³
Dlhodobý – systémové účinky - všeobecná populácia	Vdýchnutie	1.2 mg/m ³

Disodium tin hexahydroxide

Doba:	Priebeh vystavenia:	DNEL:
Dlhodobý – systémové účinky - zamestnanci	Dermálne	3.37 mg/kg bw/day
Dlhodobý – systémové účinky - všeobecná populácia	Dermálne	1.21 mg/kg bw/day
Dlhodobý – systémové účinky - všeobecná populácia	Orálne	1.21 mg/kg bw/day
Dlhodobý – systémové účinky - zamestnanci	Vdýchnutie	11.9 mg/m ³
Dlhodobý – systémové účinky - všeobecná populácia	Vdýchnutie	1.78 mg/m ³

peroxid vodíka, roztok 35%

Doba:	Priebeh vystavenia:	DNEL:
Dlhodobý – lokálne účinky - pracovníci	Vdýchnutie	1.4 mg/m ³
Dlhodobý – lokálne účinky - všeobecná populácia	Vdýchnutie	0.21 mg/m ³
Dlhodobý – lokálne účinky - všeobecná populácia	Vdýchnutie	210 µg/m ³
Krátkodobý – lokálne účinky - pracovníci	Vdýchnutie	3 mg/m ³
Krátkodobý – lokálne účinky - všeobecná populácia	Vdýchnutie	1.93 mg/m ³

PNEC

1,2-benzizotiazol-3(2H)-ón; 1,2-benzizotiazolín-3-ón; 1,2-benzizotiazolín-3-ón

Priebeh vystavenia:	Trvanie expozície:	PNEC:
Čistiareň splaškov		1.03 mg/L
Morská voda		403 ng/L
Občasné uvoľňovanie (morská voda)		110 ng/L
Občasné uvoľňovanie (sladká voda)		1.1 µg/L
Pôda		3 mg/kg
Sladká voda		4.03 µg/L
Sladkovodná usadenina		49.9 µg/kg
Usadenina v morskej vode		4.99 µg/kg

Disodium tin hexahydroxide

Priebeh vystavenia:	Trvanie expozície:	PNEC:
Čistiareň splaškov		10 mg/L
Morská voda		3.31 µg/L
Občasné uvoľňovanie (morská voda)		33.1 µg/L
Občasné uvoľňovanie (sladká voda)		331 µg/L
Sladká voda		33.1 µg/L
Sladkovodná usadenina		1.395 mg/kg

Usadenina v morskej vode		139.46 µg/kg
peroxid vodíka, roztok 35%		
Priebeh vystavenia:	Trvanie expozície:	PNEC:
Čistiareň splaškov		4.66 mg/L
Čistiareň splaškov		4.66 mg/L
Morská voda		0,047 mg/L
Morská voda		12.6 µg/L
Občasné uvoľňovanie (sladká voda)		13.8 µg/L
Pôda		0,023 mg/kg
Pôda		2.3 µg/kg
Sladká voda		0,0126 mg/L
Sladká voda		12.6 µg/L
Sladkovodná usadenina		0,047 mg/kg
Sladkovodná usadenina		47 µg/kg
Usadenina v morskej vode		0,047 mg/L
Usadenina v morskej vode		47 µg/kg

8.2. Kontroly expozície

Zhoda s uvedenými hodnotami expozičných limitov by sa mala pravidelne kontrolovať.

Všeobecné odporúčania:

Fajčenie, konzumácia potravín alebo tekutín a skladovanie tabaku, potravín alebo tekutín sú v pracovnej miestnosti zakázané.

Scenáre vystavenia:

Pre tento produkt neboli implementované žiadne expozičné scenáre.

Expozičné limity:

Pre obchodníkov platia právne predpisy týkajúce sa pracovného prostredia o maximálnych koncentráciách pri vystavení. Pozrite si vyššie uvedené prahové hodnoty pracovnej hygieny.

Vhodné technické opatrenia:

Tvorba pár sa musí udržiavať na minimálnej úrovni a pod aktuálnymi limitnými hodnotami (pozri vyššie). Ak normálne prúdenie vzduchu v pracovnej miestnosti nie je dostatočné, odporúča sa inštalácia lokálneho odsávacieho systému. Zabezpečte, aby boli núdzové fontánky na umývanie očí a sprchy jasne označené. Počas používania výrobku dodržiavajte štandardné bezpečnostné opatrenia. Zabráňte vdýchnutiu pár.

Hygienické opatrenia:

Kedykoľvek si urobíte počas používania produktu prestávku, resp. ak ste ho prestali používať, musíte si umyť všetky vystavené časti tela. Osobitnú pozornosť venujte rukám, predlaktiam a tvári.

Opatrenia na zamedzenie vystavenia životného prostredia:

Žiadne špecifické požiadavky

Individuálne ochranné opatrenia, akými sú napr. osobné ochranné prostriedky

Všeobecne:

Používajte len ochranné vybavenie označené značkou CE.

Dýchacie zariadenia:

Typ	Trieda	Farba	Normy	
Žiadne špeciálne požiadavky, ak sa používa podľa určenia.				

Ochrana kože:

Odporúčané	Typ/Kategória	Normy	
Žiadne špeciálne	-	-	

Odporúčané	Typ/Kategórie	Normy	
požiadavky, ak sa používa podľa určenia			

Ochrana rúk:

Pracovné pomery	Materiál	Hrúbka (mm)	Doba prieniku (min.)	Normy	
	Žiadne špeciálne požiadavky, ak sa používa podľa určenia	-	-	-	
V prípade dlhej expozície alebo vysokých koncentrácií	Bavlny / Prírodný kaučuk (latex)	-	> 120	EN374-2, EN16523-1, EN388	

Ochrana očí:

Pracovné pomery	Odporúčané	Normy	
	Žiadne špeciálne požiadavky, ak sa používa podľa určenia.	-	
V prípade dlhej expozície alebo vysokých koncentrácií	Používajte ochranné okuliare s postrannými štítmami.	EN166	

ODDIEL 9: FYZIKÁLNE A CHEMICKÉ VLASTNOSTI

9.1. Informácie o základných fyzikálnych a chemických vlastnostiach

Forma:

Kvapalina

Farba:

Bezfarebná

Zápach / Prahová hodnota zápachu (ppm):

Parfumový

pH:

ca. 4.8

Hustota (g/cm³):

1,02 (20 °C)

Kinematická viskozita:

K dispozícii nie sú žiadne údaje.

Vlastnosti častíc:

Neuplatňuje sa na kvapaliny.

Fázové zmeny

Teplota topenia/tuhnutia (°C):

K dispozícii nie sú žiadne údaje.

Teplota/rozmedzie mäknutia (°C):

Neuplatňuje sa na kvapaliny.

Bod varu (°C):

K dispozícii nie sú žiadne údaje.

Tlak pary:

K dispozícii nie sú žiadne údaje.

Relatívna hustota pár:

K dispozícii nie sú žiadne údaje.

Teplota rozkladu (°C):

K dispozícii nie sú žiadne údaje.

Údaje o nebezpečenstve požiaru a výbuchu

Bod vzplanutia (°C):

K dispozícii nie sú žiadne údaje.

Horľavosť (°C):

K dispozícii nie sú žiadne údaje.

Teplota samovznietenia (°C):

K dispozícii nie sú žiadne údaje.

Medze výbušnosti (% v/v):

K dispozícii nie sú žiadne údaje.

Rozpustnosť

Rozpustnosť vo vode:

Úplne rozpustný

Rozdeľovací koeficient (n-oktanol/voda) (LogKow):

K dispozícii nie sú žiadne údaje.

Rozpustnosť v tuku (g/L):

K dispozícii nie sú žiadne údaje.

9.2. Iné informácie

D'alšie fyzikálne a chemické parametre:

K dispozícii nie sú žiadne údaje.

Oxidačné vlastnosti:

K dispozícii nie sú žiadne údaje.

ODDIEL 10: STABILITA A REAKTIVITA

10.1. Reaktivita

K dispozícii nie sú žiadne údaje.

10.2. Chemická stabilita

Produkt je stabilný za podmienok uvedených v oddieli "Zaobchádzanie a skladovanie".

10.3. Možnosť nebezpečných reakcií

Žiadne známe.

10.4. Podmienky, ktorým sa treba vyhnúť

Žiadne známe.

10.5. Nekompatibilné materiály

Silné kyseliny, silné zásady, silné oxidačné činidlá a silné katabolické činidlá.

10.6. Nebezpečné produkty rozkladu

Za normálnych podmienok skladovania a používania by nemali vznikať nebezpečné produkty rozkladu.

ODDIEL 11: TOXIKOLOGICKÉ INFORMÁCIE

11.1. Informácie o triedach nebezpečnosti vymedzených v nariadení (ES) č. 1272/2008

Akútna toxicita

Výrobok/prísada	peroxid vodíka, roztok 35%
Testované živočíchy:	Potkan
Priebeh vystavenia:	Orálne
Skúška:	LD50
Výsledok:	1.193 - 1.270 mg/L

Výrobok/prísada	peroxid vodíka, roztok 35%
Testované živočíchy:	Králik
Priebeh vystavenia:	Dermálne
Skúška:	LD50
Výsledok:	>2.000 (35% oplossing) mg/kg

Výrobok/prísada	1,2-benzizotiazol-3(2H)-ón; 1,2-benzizotiazolín-3-ón;1,2-benzizotiazolín-3-ón
Testované živočíchy:	Potkan
Priebeh vystavenia:	Orálne
Skúška:	LD50
Výsledok:	500 mg/kg

Na základe dostupných údajov nie sú kritériá klasifikácie splnené.

Poleptanie/podráždenie kože

Výrobok/prísada	peroxid vodíka, roztok 35%
Výsledok:	Pozorované nepriaznivé účinky (Dráždivý)

Výrobok/prísada	1,2-benzizotiazol-3(2H)-ón; 1,2-benzizotiazolín-3-ón;1,2-benzizotiazolín-3-ón
Testovacia metóda:	OECD 404
Výsledok:	Pozorované nepriaznivé účinky (Dráždivý)

Na základe dostupných údajov nie sú kritériá klasifikácie splnené.

Vážne poškodenie/podráždenie očí

Výrobok/prísada	peroxid vodíka, roztok 35%
Výsledok:	Pozorované nepriaznivé účinky (Spôsobuje vážne poškodenie očí)

Výrobok/prísada	1,2-benzizotiazol-3(2H)-ón; 1,2-benzizotiazolín-3-ón;1,2-benzizotiazolín-3-ón
Testovacia metóda:	OECD 405
Výsledok:	Pozorované nepriaznivé účinky (Spôsobuje vážne poškodenie očí)

Na základe dostupných údajov nie sú kritériá klasifikácie splnené.

Respiračná senzibilizácia

Výrobok/prísada	peroxid vodíka, roztok 35%
Výsledok:	Nepozorované žiadne nepriaznivé účinky (nesenzibilizujúci)

Na základe dostupných údajov nie sú kritériá klasifikácie splnené.

Kožná senzibilizácia

Výrobok/prísada	1,2-benzizotiazol-3(2H)-ón; 1,2-benzizotiazolín-3-ón;1,2-benzizotiazolín-3-ón
Testovacia metóda:	OECD 429
Testované živočíchy:	Myš
Výsledok:	Pozorované nepriaznivé účinky (senzibilizujúci)

Výrobok/prísada	1,2-benzizotiazol-3(2H)-ón; 1,2-benzizotiazolín-3-ón;1,2-benzizotiazolín-3-ón
Testovacia metóda:	OECD 406
Testované živočíchy:	Morča
Výsledok:	Pozorované nepriaznivé účinky (senzibilizujúci)

Na základe dostupných údajov nie sú kritériá klasifikácie splnené.

Mutagenita zárodočných buniek

Na základe dostupných údajov nie sú kritériá klasifikácie splnené.

Karcinogenita

Výrobok/prísada	peroxid vodíka, roztok 35%
Záver:	Nepozorované žiadne nepriaznivé účinky

Na základe dostupných údajov nie sú kritériá klasifikácie splnené.

Reprodukčná toxicita

Výrobok/prísada	peroxid vodíka, roztok 35%
Záver:	Nepozorované žiadne nepriaznivé účinky

Na základe dostupných údajov nie sú kritériá klasifikácie splnené.

TSCO (Toxicita pre špecifický cieľový orgán) - jednorazové vystavenie

Na základe dostupných údajov nie sú kritériá klasifikácie splnené.

TSCO (Toxicita pre špecifický cieľový orgán) - opakované vystavenie

Na základe dostupných údajov nie sú kritériá klasifikácie splnené.

Nebezpečenstvo pri vdýchnutí

Výrobok/prísada peroxid vodíka, roztok 35%

Na základe dostupných údajov nie sú kritériá klasifikácie splnené.

11.2. Informácie o inej nebezpečnosti

Dlhodobé účinky

Žiadne známe.

Vlastnosti endokrinných disruptorov (rozvracačov)

Táto zmes/výrobok neobsahuje žiadne látky, ktoré sa považujú za látky narúšajúce hormonálny systém vo vzťahu k zdraviu.

Iné informácie

peroxid vodíka, roztok 35%: Látka bola klasifikovaná podľa IARC ako skupina 3.

ODDIEL 12: EKOLOGICKÉ INFORMÁCIE

12.1. Toxicita

Výrobok/prísada	peroxid vodíka, roztok 35%
Testované živočíchy:	Ryby, Pimephales promelas
Doba:	96 hodín
Skúška:	LC50
Výsledok:	16,4 mg/L

Výrobok/prísada	peroxid vodíka, roztok 35%
Testované živočíchy:	Ryby, Leuciscus idus
Doba:	72 hodín
Skúška:	LC50
Výsledok:	35 mg/L

Výrobok/prísada	peroxid vodíka, roztok 35%
Testované živočíchy:	Ryby, Oncorhynchus mykiss
Doba:	7 dní
Skúška:	LC50
Výsledok:	38,5 mg/L

Výrobok/prísada	peroxid vodíka, roztok 35%
Testované živočíchy:	Daphnia pulex
Doba:	48 hodín
Skúška:	EC50
Výsledok:	2,4 mg/L

Výrobok/prísada	peroxid vodíka, roztok 35%
Testované živočíchy:	Daphnia magna
Doba:	24 hodín
Skúška:	EC50
Výsledok:	7,7 mg/L

Výrobok/prísada	peroxid vodíka, roztok 35%
Testované živočíchy:	Skeletonema costatum
Doba:	72 hodín
Skúška:	EC50
Výsledok:	1,38 mg/L

Výrobok/prísada	peroxid vodíka, roztok 35%
Testovacia metóda:	OECD 209

Testované živočíchy:	Baktérie
Zložka životného prostredia :	Zariadenie na úpravu aktivovaných kalov
Doba:	30 minutes
Skúška:	EC50
Výsledok:	466 mg/L

Výrobok/prísada	peroxid vodíka, roztok 35%
Testovacia metóda:	OECD 209
Testované živočíchy:	Baktérie
Zložka životného prostredia :	Zariadenie na úpravu aktivovaných kalov
Doba:	3 hodín
Skúška:	EC50
Výsledok:	> 1.000 mg/L

Výrobok/prísada	1,2-benzizotiazol-3(2H)-ón; 1,2-benzizotiazolín-3-ón;1,2-benzizotiazolín-3-ón
Testované živočíchy:	Ryby
Doba:	96 hodín
Skúška:	LC50
Výsledok:	>0.1-1 mg/L

Výrobok/prísada	1,2-benzizotiazol-3(2H)-ón; 1,2-benzizotiazolín-3-ón;1,2-benzizotiazolín-3-ón
Testované živočíchy:	Kôrovce
Doba:	48 hodín
Skúška:	EC50
Výsledok:	>0.1-1 mg/L

Výrobok/prísada	1,2-benzizotiazol-3(2H)-ón; 1,2-benzizotiazolín-3-ón;1,2-benzizotiazolín-3-ón
Testované živočíchy:	Riasy
Doba:	72 hodín
Skúška:	EC50
Výsledok:	>0.1-1 mg/L

Na základe dostupných údajov nie sú kritériá klasifikácie splnené.

12.2. Perzistencia a degradovateľnosť

Výrobok/prísada	Alcohol, C13, bran., EO, sulfate Na~
Výsledok:	> 60 %
Záver:	Ľahká biodegradovateľnosť
Skúška:	OECD 301 B

Výrobok/prísada	peroxid vodíka, roztok 35%
Záver:	Ľahká biodegradovateľnosť

Výrobok/prísada	1,2-benzizotiazol-3(2H)-ón; 1,2-benzizotiazolín-3-ón;1,2-benzizotiazolín-3-ón
Výsledok:	90%
Záver:	Ľahká biodegradovateľnosť
Skúška:	OECD 302

Povrchovo aktívna(e) látka(y) obsiahnutá(é) v tomto prípravku je (sú) v súlade s kritériami biodegradability pod I a Smernice (EÚ) No.648/2004. Údaje potvrdzujúce toto prehlásenie sú k dispozícii kompetentným inštitúciám členských štátov Únie na ich priamu žiadosť, alebo na žiadosť výrobcu detergentu

12.3. Bioakumulačný potenciál

Výrobok/prísada	peroxid vodíka, roztok 35%
LogKow:	-1,57
Záver:	-

Výrobok/prísada	1,2-benzizotiazol-3(2H)-ón; 1,2-benzizotiazolín-3-ón;1,2-benzizotiazolín-3-ón
BCF:	2
LogKow:	1.45

Záver: Potenciál bioakumulácie je nízky

12.4. Mobilita v pôde

K dispozícii nie sú žiadne údaje.

12.5. Výsledky posúdenia PBT a vPvB

Táto zmes/tento výrobok neobsahuje žiadne látky považované za také, ktoré by spĺňali kritériá na ich klasifikáciu ako PBT a/alebo vPvB.

12.6. Vlastnosti endokrinných disruptorov (rozvracačov)

Táto zmes/výrobok neobsahuje žiadne látky, ktoré sa považujú za látky narúšajúce endokrinný systém vo vzťahu k životnému prostrediu.

12.7. Iné nepriaznivé účinky

Žiadne známe.

ODDIEL 13: OPATRENIA PRI ZNEŠKODŇOVANÍ

13.1. Metódy spracovania odpadu

Na tento produkt sa vzťahujú predpisy o nebezpečných odpadoch. (*)

HP 4 - Dráždivý (spôsobujúci podráždenie kože a poškodenie oka)

Nariadenie Komisie (EÚ) č. 1357/2014 z 18. decembra 2014 o odpade.

Kód EWC:

20 01 30

Iné detergenty než uvedené v 20 01 29

Balenie kontaminovaného materiálu

Balenie, ktoré obsahuje zvyšky produktu, sa musí zlikvidovať rovnakým spôsobom ako produkt.

ODDIEL 14: INFORMÁCIE O DOPRAVE

	14.1 OSN	14.2 Správne expedičné označenie OSN	14.3 Trieda, resp. triedy nebezpečnosti pre dopravu	14.4 PG*	14.5. Env**	Ďalšie informácie:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Obalová skupina

** Nebezpečnosť pre životné prostredie

Ďalšie informácie

Nie je uvedený ako nebezpečný tovar podľa predpisov ADR, IATA a IMDG.

14.6. Osobitné bezpečnostné opatrenia pre užívateľa

Nerelevantné.

14.7. Náморná preprava hromadného nákladu podľa nástrojov IMO

K dispozícii nie sú žiadne údaje.

ODDIEL 15: REGULAČNÉ INFORMÁCIE

15.1. Nariadenia/právne predpisy špecifické pre látku alebo zmes v oblasti bezpečnosti, zdravia a životného prostredia

Obmedzenia použitia:

Len na odborné použitie.

Požiadavky na špecifické vzdelávanie:

Žiadne špecifické požiadavky

SEVESO - Kategórie nebezpečných látok / Menované nebezpečné látky:
Nerelevantné.

Nariadenie o prekursorov výbušnín:
peroxid vodíka, roztok 35% (Príloha I)

Označovanie obsahu podľa nariadenia o detergentoch 648/2004:

- >5% - <15%
- Neionogénne povrchovo aktívne látky
- < 5%
- Aniónové povrchovo aktívne látky
- Bieliace činidlá na báze kyseliny
- Parfumy
- Konzervačnej (BENZISOTHIAZOLINONE)

Ďalšie informácie:

Povrchovo aktívna(e) látka(y) obsiahnutá(é) v tomto prípravku je (sú) v súlade s kritériami biodegradability podľa Smernice (EÚ) No.648/2004. Údaje potvrdzujúce toto prehlásenie sú k dispozícii kompetentným inštitúciám členských štátov Únie na ich priamu žiadosť, alebo na žiadosť výrobcu detergentu

Zdroje:

Nariadenie Európskeho parlamentu a Rady (ES) č. 648/2004 z 31. marca 2004 o detergentoch.
Nariadenie Komisie (EÚ) č. 1357/2014 z 18. decembra 2014 o odpade.
Nariadenie (EÚ) 2019/1148 o prekursorov výbušnín.
Nariadenie Európskeho parlamentu a Rady (ES) č. 1272/2008 z 16. decembra 2008 o klasifikácii, označovaní a balení látok a zmesí (CLP).
Nariadenie Európskeho parlamentu a Rady (ES) č. 1907/2006 z 18. decembra 2006 o registrácii, hodnotení, autorizácii a obmedzovaní chemických látok (REACH).

15.2. Hodnotenie chemickej bezpečnosti

Nie

ODDIEL 16: INÉ INFORMÁCIE

Plné znenia H-viet, ako sú uvedené v oddieli 3

H271, Môže spôsobiť požiar alebo výbuch; silné oxidačné činidlo.
H302, Škodlivý po požití.
H314, Spôsobuje vážne poleptanie kože a poškodenie očí.
H315, Dráždi kožu.
H318, Spôsobuje vážne poškodenie očí.
H319, Spôsobuje vážne podráždenie očí.
H332, Škodlivý pri vdýchnutí.
H335, Môže spôsobiť podráždenie dýchacích ciest.
H336, Môže spôsobiť ospalosť alebo závraty.
H412, Škodlivý pre vodné organizmy, s dlhodobými účinkami.

Skratky a akronymy

ADN = Európske opatrenia o medzinárodnej vnútrozemskej vodnej preprave nebezpečných vecí
ADR = Európska dohoda o medzinárodnej cestnej preprave nebezpečných vecí
ATE = Odhad akútnej toxicity
BCF = Biokoncentračný faktor
CAS = Služba chemických konspektov
CE = Európska zhoda
CLP = klasifikácia, označenie a balenie nariadenie (ES) 1272/2008
CSA = Hodnotenie chemickej bezpečnosti
CSR = Správa o chemickej bezpečnosti
DNEL = Odvodená hladina, pri ktorej nedochádza k žiadnemu účinku
EINECS = Európsky zoznam existujúcich komerčných chemických látok ES = Scenáre expozície
EUH vyhlásenie = CLP-špecifické vyhlásenie o nebezpečnosti
EuPCS = Európsky systém kategorizácie výrobkov
EWC = Európsky katalóg odpadov
GHS = Globálny harmonizovaný systém klasifikácie a označovania

GWP = Potenciál globálneho otepľovania
IATA = Medzinárodná asociácia leteckej prepravy
IBC = Stredne veľká nádoba na voľne ložené látky
IMDG = Medzinárodný námorný zákon o nebezpečných veciach
LogPow = logaritmus koeficientu pomeru oktanol / voda
MARPOL = Medzinárodný dohovor na prevenciu znečistenia z lodí, 1973, modifikovaný protokolom z roku 1978.
("Marpol" = námorné znečistenie)
OECD = Organizácia pre hospodársku spoluprácu a rozvoj
PBT = Perzistentný, bioakumulovateľný a toxický
PNEC = Predpokladaná koncentrácia, pri ktorej nedochádza k žiadnemu účinku
OSN = Organizácia Spojených Národov
RID = Poriadok pre medzinárodnú železničnú prepravu nebezpečného tovaru
RRN = Registračné číslo REACH
SCL = špecifický koncentračný limit.
SVHC = Látky vzbudzujúce veľmi veľké obavy
STOT - RE = Toxicita pre špecifický cieľový orgán - opakovaná expozícia
STOT-SE = Toxicita pre špecifický cieľový orgán - jednorázová expozícia
TWA = časom vážená priemerná
UVCB = Znamenajú látky neznámeho alebo variabilného zloženia, produkty komplexných reakcií alebo biologické materiály.
VOC = Prchavé organické látky
vPvB = Veľmi perzistentný a veľmi akumulovateľný

Ďalšie informácie

Nerelevantné.

Táto karta bezpečnostných údajov bola potvrdená

Quality & Compliance

Iné

Zmena (v pomere k poslednej zásadnej zmene (prvá šifra vo verzii karty bezpečnostných údajov)) je označená trojuholníkom.

Informácie uvedené v tomto karte bezpečnostných údajov platia iba pre tento konkrétny produkt (uvedené v oddiel 1), a nemusia byť preto správne pri použití tohto produktu s inými chemickými látkami/produktmi.

Odporúča sa odovzdať tento karte bezpečnostných údajov skutočnému užívateľovi produktu. Informácie v tomto bezpečnostnom liste sa nemôžu použiť ako špecifikácia produktu.

Krajina-jazyk: SK-sk

MALZEME GÜVENLİK BİLGİ FORMU

i.1 all-purpose cleaner FlexDose

BÖLÜM 1: MADDE/KARISIM VE ŞİRKET/YÜKLENİCİNİN TANIMLANMASI

1.1. Madde /Karışımın kimliği

▼ Ticari adı:

i.1 all-purpose cleaner FlexDose

1.2. Madde veya karışımın belirlenmiş kullanımları ve tavsiye edilmeyen kullanımları

Madde veya karışımın ilgili belirlenmiş kullanımları:

Deterjanlar ve temizlik maddeleri (solvent bazlı olanlar dahil)
Sadece profesyonel kullanıcılar içindir.

Kullanılması önerilmez:

Hiçbiri bilinmiyor.

1.3. Güvenlik bilgi formu tedarikçisinin bilgileri

Şirket ve adres:

Hygeniq B.V.
Postbus 618
7500 AP Enschede
The Netherlands
+31 53 4282860
+31 53 5393865
www.hygeniq.com

E-posta:

info@hygeniq.com

SDS tarihi:

27.06.2025

SDS Versiyonu:

2.0

Önceki Yayın Tarihi:

2.06.2025 (1.0)

1.4. Acil durum telefon numarası

114

Ulusal veya yerel acil durum numarasını kullanın
Bkz bölüm 4 "İlk yardım önlemleri".

BÖLÜM 2: TEHLİKE TANIMLARI

2.1. Madde ve karışımın sınıflandırılması

Sınıflandırması, Etiketlenmesi ve Ambalajlanması (SEA) 11 Aralık 2013 Direktifi ve sayılı Resmi Gazete'de 28 848 yayımlanan göre Sınıflandırılmamış.

2.2. Etiket Unsurları

Tehlike belirten resimli yazı(lar):

Uygulanamaz.

uyarı ifadesi:

Uygulanamaz.

Tehlike beyan(lar)ı:

Uygulanamaz.

Güvenlik beyan(lar)ı:

Genel:

-

Önleyici:

-

Yanıt:

-

Depolama:

-

Atık:

-

Büyük sağlık tehditlerinden birincil olarak sorumlu maddelerin kimliği:

Rapor etme zorunluluğu bulunan hiç bir madde içermez

Ek Etiketleme:

EUH210, Talep halinde güvenlik bilgi formu sağlanabilir.

DETERJANLAR HAKKINDA YÖNETMELİK göre içeriğin etiketlenmesi (genel halka satılan deterjanların ambalajlanması için geçerlidir):

>5% - <15%

· İyonik olmayan sürfaktanlar

< 5%

· Anyonik sürfaktanlar

· Oksijen bazlı beyazlatıcı maddeler

· Parfümler

· Koruyucu (BENZISOTHIAZOLINONE)

2.3. Diğer zararlar

Ek uyarılar:

Bu karışım/ürün, PBT ve/veya vPvB sınıfı kapsamında değerlendirilen herhangi bir ürün içermez.

Bu ürün, Komisyon Delegasyonu Yönetmeliği (AB) 2017/2100 veya Komisyon Yönetmeliği (AB) 2023/707'te belirtilen kriterlere uygun olarak endokrin bozucu olarak kabul edilen herhangi bir madde içermez.

BÖLÜM 3: BİLESİMİ/İÇİNDEKİLER HAKKINDA BİLGİ

3.1. Maddeler

Uygulanamaz. Bu ürün bir karışımdır.

3.2. Karışımlar

Ürün/içerik	Tanımlayıcılar	% w/w	Sınıflandırma	Notlar
Alcohol, C13, bran., EO, sulfate Na~	CAS No.: 150413-26-6 EC No.: 688-316-0 REACH: Liste No.:	1-3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 3, H412	
hydrogen peroxide	CAS No.: 7722-84-1 EC No.: 231-765-0 REACH: 01-2119485845-22-XXXX Liste No.: 008-003-00-9	1-3%	Ox. Liq. 1, H271 Acute Tox. 4, H302 Skin Corr. 1A, H314 (SCL: 70,00 %) Skin Corr. 1B, H314 (SCL: 50,00 %) Skin Irrit. 2, H315 (SCL: 35,00 %) Eye Dam. 1, H318 (SCL: 8,00 %) Eye Irrit. 2, H319 (SCL: 5,00 %)	

			Acute Tox. 4, H332 STOT SE 3, H336 (SCL: 35,00 %)	
citroenzuurmonohydraat	CAS No.: 5949-29-1 EC No.: 611-842-9 REACH: 01-2119457026-42-XXXX Liste No.:	<0.1%	Eye Irrit. 2, H319	
Disodium tin hexahydroxide	CAS No.: 12027-70-2 EC No.: 234-724-5 REACH: 01-2120770924-45-XXXX Liste No.:	<0.05%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	[1]

Bölüm 16'daki H terimlerinin tam metnine bakın. Mevcut ise mesleki sınırlar bölüm 8'de listelenmiştir.

Diger bilgiler

[1] Avrupa maruz kalma limiti.

BÖLÜM 4: İLK YARDIM ÖNLEMLERİ

4.1. İlk yardım önlemlerinin açıklaması

Genel bilgiler:

Kaza durumunda: Doktor veya acil servise başvurun, etiketi veya bu güvenlik veri sayfasını yanınıza alın.
Yaralanan kişinin durumundan emin değilseniz veya belirtiler devam ediyorsa doktora başvurun. Bilinç kaybına uğramış bir kişiye su veya benzeri şeyler vermeyin.

Solunum:

Solunum güçlüğü veya solunum yollarının tahrişi üzerine: Kişiyi temiz havaya çıkarın ve yalnız bırakmayın.

Cilt ile temas:

Tahriş durumunda: ürünü yıkayınız. Tahrişin devam etmesi durumunda: Doktora başvurunuz.

Göz ile temas:

Gözle teması halinde: Gözlerinizi en az 5 dakika boyunca suyla (20-30 °C) yıkayın. Kontakt lenslerinizi çıkarın.
Doktor çağırın

Yutma:

Kişinin bilinci yerindeyse ağzını suyla çalkalayın ve yanında kalın. Eğer kişi kendini iyi hissetmiyorsa doktora başvurun ve bu güvenlik veri sayfasını veya ürün etiketini yanınıza alın. Doktor tarafından tavsiye edilmediği takdirde kusturmaya çalışmayın. Kusmuğun ağız ve geniz bölgesine gitmemesi için yüzünü yere dönük tutun.

Yanıklar:

Uygulanamaz.

4.2. Akut ve sonradan görülen önemli belirtiler ve etkiler

Hiçbiri bilinmiyor.

4.3. Tıbbi müdahale ve özel tedavi gereği için ilk işaretler

Semptomatik olarak tedavi edin.

Doktorlar için bilgiler

Bu güvenlik belgesini veya malzemenin etiketini yanınıza alın.

BÖLÜM 5: YANGIN ÖNLEMLERİ

5.1. Yangın söndürücüler

Uygulanamaz.

5.2. Madde veya karışımdan kaynaklanan özel zararlar

Yangın yoğun bir duman oluşturacaktır. Katabolik ürünlere maruz kalmak sağlığınız için zararlı olabilir. Yangına maruz

kalan kapalı konteynerler su ile soğutulmalıdır. Yangın söndürme suyunun kanalizasyona veya benzeri su kanallarına akmasını engelleyin.

Eğer ürün bir yangın durumunda olduğu gibi yüksek sıcaklıklara maruz kalırsa, tehlikeli katabolik maddeler yayılır.

Bunlar:

Karbon oksitler (CO / CO₂)

5.3. Yangın söndürme ekipleri için tavsiyeler

Belirli gereksinimler yoktur.

BÖLÜM 6: KAZARA SALINIMA KARSI ÖNLEMLER

6.1. Kişisel önlemler, koruyucu donanım ve acil durum prosedürleri

Kirli alanlar kaygan olabilir.

6.2. Çevresel önlemler

Göl, akarsu, kanalizasyon vb.'ne akması engellenmelidir.

Yetkisiz kişileri döküntüden uzak tutun

6.3. Muhafaza etme ve temizleme için yöntemler ve materyaller

Dökülen maddeyi, kum, toprak, vermikülit, diatomlu toprak gibi yanmayan emici maddelerle etrafını çevirip toplayın ve yerel mevzuata uygun olarak atmak üzere bir konteynere yerleştirin.

Temizlik mümkün olduğunca normal temizlik malzemeleri ile yapılmalıdır. Çözücülerden kaçınılmalıdır.

6.4. Diğer bölümlere atıflar

Atıklarla ilgili olarak 13 " Atıkların atılması ile ilgili hususlar" bölümüne göz atın.

Koruyucu önlemler için 8 "Maruz kalma kontrolleri/kişisel koruma" bölümüne bakın.

BÖLÜM 7: TASIMA VE DEPOLAMA

7.1. Güvenli elleçleme için önlemler

Çalışma alanları içerisinde sigara içilmesi, yiyecek veya içecek tüketimi, tütün, yiyecek veya içeceklerin depolanmasına izin verilmez.

Kişisel koruma için "Maruz kalma kontrolleri/kişisel koruma" bölümüne bakın.

7.2. Uyuşmazlıkları da içeren güvenli depolama için koşullar

Açılan konteynerler dikkatlice yeniden mühürlenmeli ve sızıntıyı engellemek için dik konumda tutulmalıdır.

Ambalaj uygunlukları:

Sadece orijinal paketi içerisinde tutun.

Depolama koşulları:

Kuru, serin ve iyi havalandırılmış

Kaçınılması gereken maddeler:

Güçlü asitler, güçlü bazlar, güçlü paslandırıcı maddeler ve güçlü katabolik maddeler.

7.3. Belirli son kullanımlar

Bu ürün sadece bölüm 1.2'de belirtilen uygulamalar için kullanılmalıdır.

BÖLÜM 8: MARUZ KALMA KONTROLLERİ/KİSİSEL KORUMA

8.1. Kontrol parametreleri

Ürün, çalışma alanı maruz kalma limitli madde olarak Türkiye listesinde bulunan maddeler içermez.

DNEL

1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one

Süresi:	Maruz kalma şekli:	DNEL:
Uzun Vade - Sistemik Etkiler - Çalışanlar	Cilt yolu	966 µg/kg/gün
Uzun Vade - sistemik etkiler - genel nüfus	Cilt yolu	0.345 mg/kg
Uzun Vade - Sistemik Etkiler - Çalışanlar	Solunum yolu	6.81 mg/m ³

Uzun Vade - sistemik etkiler - genel nüfus	Solunum yolu	1.2 mg/m ³

Disodium tin hexahydroxide

Süresi:	Maruz kalma şekli:	DNEL:
Uzun Vade - sistemik etkiler - genel nüfus	Ağız yolu	1.21 mg/kg/gün
Uzun Vade - Sistemik Etkiler - Çalışanlar	Cilt yolu	3.37 mg/kg/gün
Uzun Vade - sistemik etkiler - genel nüfus	Cilt yolu	1.21 mg/kg/gün
Uzun Vade - Sistemik Etkiler - Çalışanlar	Solunum yolu	11.9 mg/m ³
Uzun Vade - sistemik etkiler - genel nüfus	Solunum yolu	1.78 mg/m ³

hydrogen peroxide

Süresi:	Maruz kalma şekli:	DNEL:
Kısa Vade - Lokal etkiler - Çalışanlar	Solunum yolu	3 mg/m ³
Kısa vade - lokal etkiler - Genel nüfus	Solunum yolu	1.93 mg/m ³
Uzun Vade - Lokal Etkiler - Çalışanlar	Solunum yolu	1.4 mg/m ³
Uzun vade - lokal etkiler - Genel nüfus	Solunum yolu	0,21 mg/m ³
Uzun vade - lokal etkiler - Genel nüfus	Solunum yolu	210 µg/m ³

PNEC

1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one

Maruz kalma şekli:	Maruz Kalma Süresi:	PNEC:
Aralıklı serbest bırakma (deniz suyu)		110 ng/L
Aralıklı serbest bırakma (temiz su)		1.1 µg/L
Atık su Arıtma Tesisi		1.03 mg/L
Deniz suyu		403 ng/L
deniz suyu tortusu		4.99 µg/kg
Temiz su		4.03 µg/L
Temiz su tortusu		49.9 µg/kg
toprak		3 mg/kg

Disodium tin hexahydroxide

Maruz kalma şekli:	Maruz Kalma Süresi:	PNEC:
Aralıklı serbest bırakma (deniz suyu)		33.1 µg/L
Aralıklı serbest bırakma (temiz su)		331 µg/L
Atık su Arıtma Tesisi		10 mg/L
Deniz suyu		3.31 µg/L
deniz suyu tortusu		139.46 µg/kg
Temiz su		33.1 µg/L
Temiz su tortusu		1.395 mg/kg

hydrogen peroxide

Maruz kalma şekli:	Maruz Kalma Süresi:	PNEC:
Aralıklı serbest bırakma (temiz su)		13.8 µg/L
Atık su Arıtma Tesisi		4.66 mg/L
Atık su Arıtma Tesisi		4.66 mg/L
Deniz suyu		0,047 mg/L
Deniz suyu		12.6 µg/L

deniz suyu tortusu		0,047 mg/L
deniz suyu tortusu		47 µg/kg
Temiz su		0,0126 mg/L
Temiz su		12.6 µg/L
Temiz su tortusu		0,047 mg/kg
Temiz su tortusu		47 µg/kg
toprak		0,023 mg/kg
toprak		2.3 µg/kg

8.2. Maruz kalma kontrolleri

Gereksiz maruziyeti önlemek için genel kontrol işlemi gerçekleştirin.

Genel öneriler:

Çalışma alanları içerisinde sigara içilmesi, yiyecek veya içecek tüketimi, tütün, yiyecek veya içeceklerin depolanmasına izin verilmez.

Maruz kalma senaryoları:

Bu ürün için uygulanan hiçbir maruz kalma senaryosu bulunmamaktadır.

Maruz kalma sınırları:

Bu ürün içerisinde bulunan maddeler için maksimum maruz kalma limiti yoktur.

İlgili teknik önlemler:

Ürünün kullanımı sırasında standart tedbirleri uygulayın. Buharı solumaktan kaçının.

Hijyen önlemleri:

Bu ürünü kullanırken ara verdiğinizde ve ürünü kullanmayı tamamladığınızda, vücudun açıkta olan tüm yerleri yıkanmalıdır. Ellerinize, kollarınızın ön kısımlarına ve yüzünüze özellikle dikkat edin.

Çevresel maruz kalmayı engellemek üzere önlemler:

Belirli gereksinimler yoktur.

Kişisel koruma ekipmanları gibi bireysel koruma önlemleri

Genel:

Sadece CE işaretli koruyucu ekipmanları kullanınız.

Solunma ekipmanı:

Tipi	Sınıf	Renk	Standartlarına	
Amacına uygun kullanıldığında özel durum yoktur.				

Cildin korunması:

Önerilen	Tip/Kategori	Standartlarına	
Amacına uygun kullanıldığında özel durum yoktur	-	-	

Ellerin korunması:

Çalışma durumu	Malzeme	Minimum tabaka kalınlığı (mm)	Delinme süresi (dakika)	Standartlarına	
	Amacına uygun kullanıldığında özel durum yoktur	-	-	-	
Uzun süreli maruz kalma veya yüksek konsantrasyonlar durumunda	Pamukdan / Doğal lastik (lateks)	-	> 120	EN374-2, EN16523-1, EN388	

Gözlerin korunması:

Çalışma durumu	Tipi	Standartlarına	
	Amacına uygun kullanıldığında özel durum yoktur.	-	
Uzun süreli maruz kalma veya yüksek konsantrasyonlar durumunda	Yan siperleri olan koruyucu gözlük takın.	EN166	

BÖLÜM 9: FİZİKSEL VE KİMYASAL ÖZELLİKLER

9.1. Temel fiziksel ve kimyasal özellikler hakkında bilgi

Sekil:

Sıvı

Renk:

Renksiz

Koku / Koku eşiği (ppm):

Parfümlü

pH:

ca. 4.8

Yogunluk (g/cm³):

1,02 (20 °C)

Kinematik vizkosite:

Veri bulunmamaktadır.

Partikül özellikleri:

Sıvılar uygulanmaz

Hal değişiklikleri

Erime noktası/Donma noktası (°C):

Veri bulunmamaktadır.

Yumuşama noktası/aralığı (°C):

Sıvılar uygulanmaz

Kaynama noktası (°C):

Veri bulunmamaktadır.

Buhar basıncı:

Veri bulunmamaktadır.

Bağıl buhar yoğunluğu:

Veri bulunmamaktadır.

Bozunma sıcaklığı (°C):

Veri bulunmamaktadır.

Yangın ve patlama tehlikeleri ile ilgili veriler

Parlama noktası (°C):

Veri bulunmamaktadır.

Alevlenirlik (°C):

Veri bulunmamaktadır.

Kendi kendine yanma noktası (°C):

Veri bulunmamaktadır.

Patlama sınırları (% v/v):

Veri bulunmamaktadır.

Çözünübilirlik

Suda çözünübilirlik:

Tamamen çözünür

n-oktanol/su katsayısı (LogKow):
Veri bulunmamaktadır.

Yagda çözünürlük (g/L):
Veri bulunmamaktadır.

9.2. Diğer bilgiler

Diğer fiziksel ve kimyasal parametreler:
Veri bulunmamaktadır.

Oksitleyici özellikler:
Veri bulunmamaktadır.

BÖLÜM 10: KARARLILIK VE REAKTİFLİK

10.1. Tepkime

Veri bulunmamaktadır.

10.2. Kimyasal kararlılık

Ürün 7, "Taşıma ve depolama" bölümünde belirtilen koşullar altında durağandır.

10.3. Zararlı tepkime olasılığı

Hiçbiri bilinmiyor.

10.4. Kaçınılması gereken durumlar

Hiçbiri bilinmiyor.

10.5. Kaçınılması gereken maddeler

Güçlü asitler, güçlü bazlar, güçlü paslandırıcı maddeler ve güçlü katabolik maddeler.

10.6. Zararlı bozunma ürünleri

Normal depolama ve kullanım koşulları altında tehlikeli bozunma ürünleri üretilmemelidir.

BÖLÜM 11: TOKSİKOLOJİK BİLGİLER

11.1. Toksik etkiler hakkında bilgi

Akut toksik

Ürün/içerik	hydrogen peroxide
Tür:	Sıçan
Maruz kalma şekli:	Ağız yolu
Test:	LD50
Sonuç:	1.193 - 1.270 mg/L

Ürün/içerik	hydrogen peroxide
Tür:	Tavşan
Maruz kalma şekli:	Cilt yolu
Test:	LD50
Sonuç:	>2.000 (35% oplossing) mg/kg

Ürün/içerik	1,2-benzisothiazol-3(2H)-one, 1,2-benzisothiazolin-3-one
Tür:	Sıçan
Maruz kalma şekli:	Ağız yolu
Test:	LD50
Sonuç:	500 mg/kg

Mevcut veriler sınıflandırma kriterlerini karşılamıyor.

Cilt asinması/tahris

Ürün/içerik	hydrogen peroxide
Sonuç:	Yan etki gözlemlenmiştir (Tahriş edici)

Ürün/içerik	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Test metodu:	OECD 404
Sonuç:	Yan etki gözlemlenmiştir (Tahriş edici)

Mevcut veriler sınıflandırma kriterlerini karşılamıyor.

Ciddi göz hasarları/tahrişi

Ürün/içerik	hydrogen peroxide
Sonuç:	Yan etki gözlemlenmiştir (Ciddi göz hasarına yol açar)

Ürün/içerik	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Test metodu:	OECD 405
Sonuç:	Yan etki gözlemlenmiştir (Ciddi göz hasarına yol açar)

Mevcut veriler sınıflandırma kriterlerini karşılamıyor.

Solunum yolları hassaslaşması

Ürün/içerik	hydrogen peroxide
Sonuç:	Hiçbir yan etki gözlenmemiştir (hassaslaştırıcı değil)

Mevcut veriler sınıflandırma kriterlerini karşılamıyor.

Cilt hassaslaşması

Ürün/içerik	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Test metodu:	OECD 429
Tür:	Fare
Sonuç:	Yan etki gözlemlenmiştir (hassaslaştırma)

Ürün/içerik	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Test metodu:	OECD 406
Tür:	Gine domuzu
Sonuç:	Yan etki gözlemlenmiştir (hassaslaştırma)

Mevcut veriler sınıflandırma kriterlerini karşılamıyor.

Hastalıkli hücre mutajenitesi

Mevcut veriler sınıflandırma kriterlerini karşılamıyor.

Kanserojenlik

Ürün/içerik	hydrogen peroxide
Sonuç:	Hiçbir yan etki gözlenmemiştir

Mevcut veriler sınıflandırma kriterlerini karşılamıyor.

Üreme toksisitesi

Ürün/içerik	hydrogen peroxide
Sonuç:	Hiçbir yan etki gözlenmemiştir

Mevcut veriler sınıflandırma kriterlerini karşılamıyor.

STOT- tekil maruz kalma

Mevcut veriler sınıflandırma kriterlerini karşılamıyor.

STOT - tekrarlı maruz kalma

Mevcut veriler sınıflandırma kriterlerini karşılamıyor.

Aspirasyon tehlikesi

Ürün/içerik	hydrogen peroxide
Mevcut veriler sınıflandırma kriterlerini karşılamıyor.	

11.2. Diğer tehlikelere ilişkin bilgiler

Uzun vadeli etkiler

Hiçbiri bilinmiyor.

Endokrin bozucu özellikler

Bu karışım/ürün, sağlıkla ilgili hormon bozucu özelliklere sahip olduğu düşünülen herhangi bir madde içermemektedir.

Diğer bilgiler

hydrogen peroxide : Bu madde IARC (Uluslararası Kansere Araştırmaları Ajansı) tarafından grup 3 olarak sınıflandırılmıştır.

BÖLÜM 12: EKOLOJİK BİLGİLER

12.1. Toksikite

Ürün/içerik: hydrogen peroxide
Tür: Balık, Pimephales promelas
Süresi: 96 saat
Test: LC50
Sonuç: 16,4 mg/L

Ürün/içerik: hydrogen peroxide
Tür: Balık, Leuciscus idus
Süresi: 72 saat
Test: LC50
Sonuç: 35 mg/L

Ürün/içerik: hydrogen peroxide
Tür: Balık, Oncorhynchus mykiss
Süresi: 7 günler
Test: LC50
Sonuç: 38,5 mg/L

Ürün/içerik: hydrogen peroxide
Tür: Daphnia pulex
Süresi: 48 saat
Test: EC50
Sonuç: 2,4 mg/L

Ürün/içerik: hydrogen peroxide
Tür: Daphnia magna
Süresi: 24 saat
Test: EC50
Sonuç: 7,7 mg/L

Ürün/içerik: hydrogen peroxide
Tür: Skeletonema costatum
Süresi: 72 saat
Test: EC50
Sonuç: 1,38 mg/L

Ürün/içerik: hydrogen peroxide
Test metodu: OECD 209
Tür: Bakteriler
Ortamıdır: Etkinleştirilen Çamur Tesisi
Süresi: 30 minutes
Test: EC50
Sonuç: 466 mg/L

Ürün/içerik: hydrogen peroxide
Test metodu: OECD 209
Tür: Bakteriler
Ortamıdır: Etkinleştirilen Çamur Tesisi
Süresi: 3 saat
Test: EC50
Sonuç: > 1.000 mg/L

Ürün/içerik: 1,2-benzisothiazol-3(2H)-one
Tür: Balık

Süresi: 96 saat
Test: LC50
Sonuç: >0.1-1 mg/L

Ürün/içerik 1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Tür: Kabuklu
Süresi: 48 saat
Test: EC50
Sonuç: >0.1-1 mg/L

Ürün/içerik 1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Tür: Yosun
Süresi: 72 saat
Test: EC50
Sonuç: >0.1-1 mg/L

Mevcut veriler sınıflandırma kriterlerini karşılamıyor.

12.2. Kalıcılık ve bozunabilirlik

Ürün/içerik Alcohol, C13, bran., EO, sulfate Na~
Sonuç: > 60 %
Sonuç: Kolay biyobozunabilirlik
Test: OECD 301 B

Ürün/içerik hydrogen peroxide
Sonuç: Kolay biyobozunabilirlik

Ürün/içerik 1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Sonuç: 90%
Sonuç: Kolay biyobozunabilirlik
Test: OECD 302

Bu preparat içerisinde bulunan sürfaktan(lar) deterjanlarla ilgili Düzenleme (EC) No.648/2004'te belirtilen biyolojik olarak çözünebilirlik kriterleri ile uyumludur. Bu beyanı destekleyen veriler Üye Ülkeler'in yetkili otoritelerine sunulmaktadır ve doğrudan talepleri veya bir deterjan üreticisinin talebi üzerine sağlanabilir.

12.3. Biyobirikim potansiyeli

Ürün/içerik hydrogen peroxide
LogKow: -1,57
Sonuç: -

Ürün/içerik 1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
BCF: 2
LogKow: 1.45
Sonuç: Biyoakümülyasyon potansiyeli düşüktür

12.4. Toprakta hareketlilik

Veri bulunmamaktadır.

12.5. PBT ve vPvB değerlendirmesinin sonuçları

Bu karışım/ürün, PBT ve/veya vPvB sınıfı kapsamında değerlendirilen herhangi bir ürün içermez.

12.6. Endokrin bozucu özellikler

Bu karışım/ürün, çevreyle ilgili endokrin bozucu özelliklere sahip olduğu düşünülen herhangi bir madde içermemektedir.

12.7. Diğer olumsuz etkiler

Hiçbiri bilinmiyor.

BÖLÜM 13: ATIKLARIN ATILMASI İLE İLGİLİ HUSUSLAR

13.1. Atık işleme yöntemleri

Bu ürün tehlikeli atık düzenlemeleri kapsamındadır. (*)

HP 4 - Tahriş edici (cilt tahrişi ve göz hasarı)

18 Aralık 2014 tarih ve 1357/2014 sayılı Komisyon Yönetmeliği (AB), Avrupa Parlamentosu ve Konseyi'nin atıklarla ilgili 2008/98/EC Yönergesinin Ek III'ünün yerini almıştır.

EWC kodu:

20 01 30

20 01 29 belirtilenler dışındaki deterjanlar

Bulasmis ambalaj

Ürünün artıklarının bulunduğu ambalaj malzemeleri ürün ile aynı şekilde atılmalıdır.

BÖLÜM 14: TASIMACILIK BİLGİLERİ

	14.1 UN	14.2 İsim ve tanım	14.3 Sınıf	14.4 PG*	14.5. Env**	Diger bilgiler:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Paketleme grubu

** Çevresel zararlar

Ek bilgiler

ADR, IATA ve IMDG düzenlemelerine göre tehlikeli mallar listesinde yer almamaktadır.

14.6. Kullanıcı için özel önlemler

Uygulanamaz.

14.7. MARPOL 73/78 ek II ve IBC koduna göre toplu taşımacılık

Veri bulunmamaktadır.

BÖLÜM 15: MEVZUAT BİLGİLERİ

15.1. Madde veya karışıma özgü güvenlik, sağlık ve çevre mevzuatı

Uygulama ile ilgili sınırlamalar:

Sadece profesyonel kullanıcılar içindir.

Özel eğitim talepleri:

Belirli gereksinimler yoktur.

SEVESO - Tehlikeli maddelerin zararlılık kategorileri / Adlandırılmış tehlikeli maddeler:

Uygulanamaz.

hydrogen peroxide (Ek I)

DETERJANLAR HAKKINDA YÖNETMELİK göre içeriğin etiketlenmesi:

>5% - <15%

· İyonik olmayan sürfaktanlar

< 5%

· Anyonik sürfaktanlar

· Oksijen bazlı beyazlatıcı maddeler

· Parfümler

· Koruyucu (BENZISOTHIAZOLINONE)

Ek bilgiler:

Bu preparat içerisinde bulunan sürfaktan(lar) deterjanlarla ilgili Düzenleme (EC) No.648/2004'te belirtilen biyolojik olarak çözünebilir kriterleri ile uyumludur. Bu beyanı destekleyen veriler Üye Ülkeler'in yetkili otoritelerine sunulmaktadır ve doğrudan talepleri veya bir deterjan üreticisinin talebi üzerine sağlanabilir.

Kaynaklar:

DETERJANLAR HAKKINDA YÖNETMELİK. Resmî Gazete Sayı : 30314 (Ocak 2018)

18 Aralık 2014 tarih ve 1357/2014 sayılı Komisyon Yönetmeliği (AB), Avrupa Parlamentosu ve Konseyi'nin atıklarla

ilgili 2008/98/EC Yönergesinin Ek III'ünün yerini almıştır.
Council Regulation (EC) No 2019/1148 on explosives precursors.
11/12/2013 tarihli ve 28848 MADDELERİN VE KARIŞIMLARIN SINIFLANDIRILMASI, ETİKETLENMESİ VE
AMBALAJLANMASI HAKKINDA YÖNETMELİK
23/06/2017 tarihli ve 30105 KİMYASALLARIN KAYDI, DEĞERLENDİRİLMESİ, İZNİ VE KISITLANMASI HAKKINDA
YÖNETMELİK.

15.2. Kimyasal güvenlik değerlendirme

Hayır

BÖLÜM 16: DİĞER BİLGİLER

Bölüm 3'te belirtilen H terimlerinin tam metni

H271, Yangına veya patlamaya yol açabilir; güçlü oksitleyici.
H302, Yutulması halinde zararlıdır.
H314, Ciddi cilt yanıklarına ve göz hasarına yol açar.
H315, Cilt tahrişine yol açar.
H318, Ciddi göz hasarına yol açar.
H319, Ciddi göz tahrişine yol açar.
H332, Solunması halinde zararlıdır.
H335, Solunum yolu tahrişine yol açabilir.
H336, Rehavete veya baş dönmesine yol açabilir.
H412, Sucul ortamda uzun süre kalıcı, zararlı etki.

Kısaltmalar ve eş anlamlılar

ACGIH = American Conference of Industrial Hygienists
ADN = Tehlikeli yüklerin iç su yollarında uluslararası taşınması hakkındaki Avrupa Koşulları
ADR = Tehlikeli yüklerin uluslararası karayollarında taşınması hakkındaki Avrupa Sözleşmesi
ATE = Öngörülen akut toksisite
BCF = Biyobirikim faktörü
BM = Birleşmiş Milletler
CAS = Kimyasal Kuramlar Servisi
CE = Avrupa Uygunluğu
EuPCS = Avrupa Ürün Kategorizasyon Sistemi
GHS = Kimyasalların Global Harmonize Sınıflandırma ve Etiketleme Sistemi
IATA = Uluslararası Hava Taşımacılığı Birliği
IMDG = Uluslararası Denizcilikte Tehlikeli Yükler
KIP = Küresel ısınma potansiyeli
LogPow = oktanol/su dağılım katsayısının 10 tabanlı logaritması
MARPOL = Gemilerden Kaynaklanan Deniz Kirliliğini Önleme Sözleşmesi, 1973 1978 Protokolüyle değiştirilmiş hali
("Marpol" = deniz kirlenmesi)
OECD = Ekonomik İşbirliği ve Kalkınma Örgütü
PBT = Kalıcı, Biyobirikimli ve Toksik
RID = Tehlikeli Yüklerin Uluslararası Demiryolu ile Taşınması hakkındaki Tüzük
SCL = Spesifik konsantrasyon limiti.
STOT-RE = Özel Organ Hedefli Toksikite - Tekrarlanan Maruziyet
STOT-SE = Özel Organ Hedefli Toksikite - Tek Maruziyet
TWA = Zaman ağırlıklı ortalama
UOB = Uçucu Organik Bileşikler
UVCB = Bilinmeyen veya değişken bileşim, kompleks reaksiyon ürünleri veya biyolojik malzemeler
vPvB = Çok Kalıcı ve Çok Biyobirikimli

Ek bilgiler

Uygulanamaz.

Güvenlik bilgi formunu onaylayan

Quality & Compliance

Diger

Değişiklik (en son önemli değişiklik ile orantılı olarak (SDS versiyonu ilk anahtarı)) üçgen ile işaretlenmiştir.
Bu güvenlik bilgi formu içerisindeki bilgiler sadece belirlenmiş ürün için uygundur (bölüm 1'de belirtilmiştir) ve diğer kimyasallar/ürünler için kullanılması uygun olmayabilir.



Kimyasalların Kaydı, Değerlendirilmesi, İzni Ve Kısıtlanması Hakkında Yönetmelik (23.06.2017 Tarih ve 30105 Nolu Resmi Gazete)

Bu güvenlik bilgi formunun asıl ürün kullanıcısına teslim edilmesi önerilir. Bu güvenlik bilgi formu içerisindeki bilgiler ürün spesifikasyonu olarak kullanılamaz.
Ülke-dil: TR-tr

SAFETY DATA SHEET

i.1 all-purpose cleaner FlexDose

SECTION 1: IDENTIFICATION

1.1. Product identifier

▼ *Trade name:*

i.1 all-purpose cleaner FlexDose

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses of the substance or mixture:

Washing and cleaning products (including solvent based products)
Restricted to professional users.

Uses advised against :

None known.

1.3. Details of the supplier of the safety data sheet

Company and address:

Hygeniq B.V.
Postbus 618
7500 AP Enschede
The Netherlands
+31 53 4282860
+31 53 5393865
www.hygeniq.com

E-mail:

info@hygeniq.com

SDS date:

6/27/2025

SDS Version:

2.0

Date of previous version:

6/2/2025 (1.0)

1.4. Emergency telephone number

Contact the poison control at 1-800-222-1222 (24/7) or use the webPOISONCONTROL® (triage.webpoisoncontrol.org) to get specific guidance for your case
See also section 4 "First aid measures".

SECTION 2: HAZARD(S) IDENTIFICATION

2.1. Classification of the substance or mixture

Not classified according to HCS (29 CFR 1910.1200)

2.2. Label elements

Hazard pictogram(s):

Not applicable.

Signal word:

Not applicable.

Hazard statement(s):

Precautionary statement(s):

General:

-

Prevention:

-

Response:

-

Storage:

-

Disposal:

-

Additional labelling:

Not applicable.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable. This product is a mixture.

3.2. Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
Alcohol, C13, bran., EO, sulfate Na~	CAS No.: 150413-26-6	1-3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319	
hydrogen peroxide	CAS No.: 7722-84-1	1-3%	Ox. Liq. 1, H271 Acute Tox. 4, H302 Skin Corr. 1A, H314 (SCL: 70.00 %) Skin Corr. 1B, H314 (SCL: 50.00 %) Skin Irrit. 2, H315 (SCL: 35.00 %) Eye Dam. 1, H318 (SCL: 8.00 %) Eye Irrit. 2, H319 (SCL: 5.00 %) Acute Tox. 4, H332 STOT SE 3, H336 (SCL: 35.00 %)	
citroenzuurmonohydraat	CAS No.: 5949-29-1	<0.1%	Eye Irrit. 2, H319	

Where the concentration of an ingredient is expressed as a range the exact concentration has been withheld as a trade secret.

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information

-

SECTION 4: FIRST-AID MEASURES

4.1. Description of first aid measures

General information:

If breathing is irregular, drowsiness, loss of consciousness or cramps: Call 911 and give immediate treatment (first aid).

Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

Inhalation:

In case of discomfort: bring the person into fresh air.

Skin contact:

Upon irritation: rinse with water. In the event of continued irritation, seek medical assistance.

Eye contact:

Rinse gently with lukewarm water. Remove any contact lenses if this is easy to do. Continue rinsing. In case of persistent eye irritation or discomfort: Seek medical help.

Ingestion:

Rinse and flush mouth thoroughly and consume large quantities of water. In case of continued discomfort: seek medical assistance and bring this safety data sheet.

Burns:

Not applicable.

4.2. Most important symptoms and effects, both acute and delayed

None known.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

Information to medics

Bring this safety data sheet or the label from this product.

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Not applicable.

5.2. Special hazards arising from the substance or mixture

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

Carbon oxides (CO / CO₂)

5.3. Advice for firefighters

No specific requirements.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation, especially in confined areas.

Contaminated areas may be slippery.

6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.

Keep unauthorized persons away from the spill

6.3. Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections

See section 13 "Disposal considerations" on handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Smoking, drinking and consumption of food is not allowed in the work area.
See section 8 "Exposure controls/personal protection" for information on personal protection.

7.2. Conditions for safe storage, including any incompatibilities

Recommended storage material:

Keep only in original packaging.

Storage conditions:

Dry, cool and well ventilated

Incompatible materials:

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

hydrogen peroxide

Long term exposure limit (OSHA Table Z-1) (mg/m³): 1.4

Long term exposure limit (OSHA Table Z-1) (ppm): 1

Long term exposure limit (ACGIH TLV) (ppm): 1

Part 1910 - Occupational Safety and Health Standards (29 CFR 1910.1000 TABLE Z-1 - Limits for Air Contaminants)

8.2. Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

General recommendations:

Smoking, drinking and consumption of food is not allowed in the work area.

Exposure scenarios:

There are no exposure scenarios implemented for this product.

Exposure limits:

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

Appropriate technical measures:

The formation of vapours must be kept at a minimum and below current limit values (see above). Installation of a local exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure eyewash and emergency showers are clearly marked.

Apply standard precautions during use of the product. Avoid inhalation of vapours.

Hygiene measures:

Wash hands after use.

Measures to avoid environmental exposure:

No specific requirements.

Individual protection measures, such as personal protective equipment

Generally:

Use only protective equipment with a recognized certification mark, e.g. the UL mark.

Respiratory Equipment:

Type	Class	Colour	Standards	
No special when used				

Type	Class	Colour	Standards	
as intended.				

Skin protection:

Recommended	Type/Category	Standards	
No special when used as intended.	-	-	

Hand protection:

Work situation	Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
	No special when used as intended	-	-	-	
In the event of prolonged exposure or high concentrations	Cotton/Latex	-	> 120	EN374-2, EN16523-1, EN388	

Eye protection:

Work situation	Type	Standards	
	No special when used as intended.	-	
In the event of prolonged exposure or high concentrations	Safety glasses with side shields.	EN166	

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state:

Liquid

Color:

Colourless

Odor:

Of perfume

Odor threshold (ppm):

No data available.

pH:

ca. 4.8

Density (g/cm³):

1.02 (20 °C)

Kinematic viscosity:

No data available.

Particle characteristics:

Does not apply to liquids.

Phase changes

Melting point/freezing point (°F):

No data available.

Softening point/range (°F):

Does not apply to liquids.

Boiling point (°F):

No data available.



Conforms to OSHA Hazard Communication Standard (HCS) (29 CFR 1910.1200 / revised 2024)

Vapor pressure:

No data available.

Relative vapor density:

No data available.

Decomposition temperature (°F):

No data available.

Data on fire and explosion hazards

Flash point (°F):

No data available.

Flammability (°F):

No data available.

Auto-ignition temperature (°F):

No data available.

Explosion limits (% v/v):

No data available.

Solubility

Solubility in water:

Completely soluble

n-octanol/water coefficient (LogKow):

No data available.

Solubility in fat (g/L):

No data available.

9.2. Other information

Other physical and chemical parameters:

No data available.

Oxidizing properties:

No data available.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

10.2. Chemical stability

The product is stable under the conditions, noted in section 7 "Handling and storage".

10.3. Possibility of hazardous reactions, including those associated with foreseeable emergencies

None known.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity

Product/substance	hydrogen peroxide
Species:	Rat
Route of exposure:	Oral

Test:	LD50
Result:	1.193 - 1.270 mg/L

Product/substance	hydrogen peroxide
Species:	Rabbit
Route of exposure:	Dermal
Test:	LD50
Result:	>2.000 (35% oplossing) mg/kg

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	500 mg/kg

Based on available data, the classification criteria are not met.

Skin corrosion/irritation

Product/substance	hydrogen peroxide
Result:	Adverse effect observed (Irritating)

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Test method:	OECD 404
Result:	Adverse effect observed (Irritating)

Based on available data, the classification criteria are not met.

Serious eye damage/irritation

Product/substance	hydrogen peroxide
Result:	Adverse effect observed (Causes serious eye damage)

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Test method:	OECD 405
Result:	Adverse effect observed (Causes serious eye damage)

Based on available data, the classification criteria are not met.

Respiratory sensitisation

Product/substance	hydrogen peroxide
Result:	No adverse effect observed (not sensitising)

Based on available data, the classification criteria are not met.

Skin sensitisation

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Test method:	OECD 429
Species:	Mouse
Result:	Adverse effect observed (sensitising)

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Test method:	OECD 406
Species:	Guinea pig
Result:	Adverse effect observed (sensitising)

Based on available data, the classification criteria are not met.

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Product/substance	hydrogen peroxide
Conclusion:	No adverse effect observed

Based on available data, the classification criteria are not met.

Reproductive toxicity

Product/substance	hydrogen peroxide

Conclusion: No adverse effect observed

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Product/substance hydrogen peroxide

Based on available data, the classification criteria are not met.

Long term effects

None known.

Other information

hydrogen peroxide has been classified by IARC as a group 3 carcinogen.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Product/substance	hydrogen peroxide
Species:	Fish, Pimephales promelas
Duration:	96 hours
Test:	LC50
Result:	16,4 mg/L

Product/substance	hydrogen peroxide
Species:	Fish, Leuciscus idus
Duration:	72 hours
Test:	LC50
Result:	35 mg/L

Product/substance	hydrogen peroxide
Species:	Fish, Oncorhynchus mykiss
Duration:	7 days
Test:	LC50
Result:	38,5 mg/L

Product/substance	hydrogen peroxide
Species:	Daphnia pulex
Duration:	48 hours
Test:	EC50
Result:	2,4 mg/L

Product/substance	hydrogen peroxide
Species:	Daphnia magna
Duration:	24 hours
Test:	EC50
Result:	7,7 mg/L

Product/substance	hydrogen peroxide
Species:	Skeletonema costatum
Duration:	72 hours
Test:	EC50
Result:	1,38 mg/L

Product/substance	hydrogen peroxide
Test method:	OECD 209
Species:	Bacteria
Compartment:	Activated Sludge Plant

Conforms to OSHA Hazard Communication Standard (HCS) (29 CFR 1910.1200 / revised 2024)

Duration: 30 minutes
Test: EC50
Result: 466 mg/L

Product/substance: hydrogen peroxide
Test method: OECD 209
Species: Bacteria
Compartment: Activated Sludge Plant
Duration: 3 hours
Test: EC50
Result: > 1.000 mg/L

Product/substance: 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Species: Fish
Duration: 96 hours
Test: LC50
Result: >0.1-1 mg/L

Product/substance: 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Species: Crustacean
Duration: 48 hours
Test: EC50
Result: >0.1-1 mg/L

Product/substance: 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Species: Algae
Duration: 72 hours
Test: EC50
Result: >0.1-1 mg/L

Based on available data, the classification criteria are not met.

12.2. Persistence and degradability

Product/substance: Alcohol, C13, bran., EO, sulfate Na~
Result: > 60 %
Conclusion: Readily biodegradable
Test: OECD 301 B

Product/substance: hydrogen peroxide
Conclusion: Readily biodegradable

Product/substance: 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Result: 90%
Conclusion: Readily biodegradable
Test: OECD 302

12.3. Bioaccumulative potential

Product/substance: hydrogen peroxide
LogKow: -1,57
Conclusion: -

Product/substance: 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
BCF: 2
LogKow: 1.45
Conclusion: Potential for bioaccumulation is low

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

12.6. Other adverse effects

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

RCRA Hazardous waste ("P" and "U" list) (40 CFR 261)

None of the components are listed

Specific labelling

Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: TRANSPORT INFORMATION

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
DOT	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Packing group

** Environmental hazards

Additional information

Not dangerous goods according to DOT, IATA and IMDG.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to IMO instruments

No data available.

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.2. U.S. Federal regulations

TSCA (the non-confidential portion):

hydrogen peroxide is listed

1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one is listed

Clean Air Act:

None of the components are listed

EPCRA Section 302:

hydrogen peroxide is regulated with a Threshold Planning Quantity (TPQ) of: 1000 pounds

EPCRA Section 304:

hydrogen peroxide is regulated with a Reportable Quantity (RQ) of: 1000 pounds

EPCRA section 313:

None of the components are listed

CERCLA:

None of the components are listed

Hazardous chemical inventory reporting:

This product is not subject to Tier II reporting.

State regulations

California / Prop. 65:

None of the components are listed

Massachusetts / Right To Know Act:

hydrogen peroxide is listed

New Jersey / Right To Know Act:

hydrogen peroxide / Substance number: 1015

hydrogen peroxide is on the Special Health Hazard Substance List

—

New York / Right To Know Act:

hydrogen peroxide is listed

hydrogen peroxide is regulated with a Reportable Quantity (RQ) of: 1 pounds

hydrogen peroxide is regulated with a Treshold Reporting Quantity (TRQ) of: 0 pounds

hydrogen peroxide is regulated with a Treshold Planning Quantity (TPQ) of: 1000 pounds

—

Pennsylvania / Right To Know Act:

hydrogen peroxide is listed

hydrogen peroxide is hazardous to the environment (E)

—

15.4. Restrictions for application

Restricted to professional users.

15.5. Demands for specific education

No specific requirements.

15.6. Additional information

Not applicable.

15.7. Chemical safety assessment

No

15.8. Sources

OSHA Hazard Communication Standard (29 CFR 1910.1200)

SECTION 16: OTHER INFORMATION

Full text of H-phrases as mentioned in section 3

H271, May cause fire or explosion; strong oxidiser.

H302, Harmful if swallowed.

H314, Causes severe skin burns and eye damage.

H315, Causes skin irritation.

H318, Causes serious eye damage.

H319, Causes serious eye irritation.

H332, Harmful if inhaled.

H336, May cause drowsiness or dizziness.

The full text of identified uses as mentioned in section 1

None known.

Abbreviations and acronyms

ACGIH = American Conference of Governmental Industrial Hygienists

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway

ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road

ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

CAS = Chemical Abstracts Service

CERCLA = Comprehensive Environmental Response Compensation and Liability Act

DOT = Department of Transportation

EINECS = European Inventory of Existing Commercial chemical Substances

EPCRA = Emergency Planning and Community Right-To-Know Act

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

HCIS = Hazardous Chemical Information System
HNOC = Hazards Not Otherwise Classified
IARC = International Agency for Research on Cancer
IATA = International Air Transport Association
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
NFPA = National Fire Protection Association
NIOSH = National Institute for Occupational Safety and Health
OECD = Organisation for Economic Co-operation and Development
OSHA = Occupational Safety and Health Administration
PBT = Persistent, Bioaccumulative and Toxic
RCRA = Resource Conservation and Recovery Act
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
RRN = REACH Registration Number
SARA = Superfund Amendments and Reauthorization Act
SCL = A specific concentration limit.
STEL = Short-term exposure limits
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
STOT-SE = Specific Target Organ Toxicity - Single Exposure
TSCA = The Toxic Substances Control Act
TWA = Time weighted average
UN = United Nations
UVBC = Unknown or variable composition, complex reaction products or of biological materials
VOC = Volatile Organic Compound
vPvB = Very Persistent and Very Bioaccumulative

Additional information

Not applicable.

The safety data sheet is validated by

Quality & Compliance

Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

Country-language: US-en

SAFETY DATA SHEET

i.1 all-purpose cleaner FlexDose

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

▼ *Trade name:*

i.1 all-purpose cleaner FlexDose

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses of the substance or mixture:

Washing and cleaning products (including solvent based products)
Restricted to professional users.

Uses advised against :

None known.

1.3. Details of the supplier of the safety data sheet

Company and address:

Hygeniq B.V.
Postbus 618
7500 AP Enschede
The Netherlands
+31 53 4282860
+31 53 5393865
www.hygeniq.com

E-mail:

info@hygeniq.com

Revision:

27/06/2025

SDS Version:

2.0

Date of previous version:

02/06/2025 (1.0)

1.4. Emergency telephone number

The National Poisons Information Centre (NPIC)
Public: +353 (0) 1 809 2166 (7 days a week, 8am- 10pm)
Healthcare professionals: +353 (0) 1 809 2566 (24 h service)
See also section 4 "First aid measures"

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Not classified according to Regulation (EC) No. 1272/2008 (CLP).

2.2. Label elements

Hazard pictogram(s):

Not applicable.

Signal word:

Not applicable.

Hazard statement(s):

Not applicable.

Precautionary statement(s):

General:

-

Prevention:

-

Response:

-

Storage:

-

Disposal:

-

Hazardous substances:

Does not contain any substances required to report

Additional labelling:

EUH210, Safety data sheet available on request.

Labelling of contents according to Detergents Regulation (EC) No 648/2004 (applicable to packaging of detergents sold to the general public):

>5% - <15%

· Non-ionic surfactants

< 5%

· Anionic surfactants

· Oxygen-based bleaching Agents

· Perfumes

· Preservation agent (BENZISOTHIAZOLINONE)

2.3. Other hazards

Additional warnings:

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2023/707.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable. This product is a mixture.

3.2. Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
Alcohol, C13, bran., EO, sulfate Na~	CAS No.: 150413-26-6 EC No.: 688-316-0 REACH: Index No.:	1-3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 3, H412	
hydrogen peroxide	CAS No.: 7722-84-1 EC No.: 231-765-0 REACH: 01-2119485845-22-XXXX Index No.: 008-003-00-9	1-3%	Ox. Liq. 1, H271 Acute Tox. 4, H302 Skin Corr. 1A, H314 (SCL: 70.00 %) Skin Corr. 1B, H314 (SCL: 50.00 %) Skin Irrit. 2, H315 (SCL: 35.00 %) Eye Dam. 1, H318 (SCL: 8.00 %)	

			Eye Irrit. 2, H319 (SCL: 5.00 %) Acute Tox. 4, H332 STOT SE 3, H336 (SCL: 35.00 %)	
citroenzuurmonohydraat	CAS No.: 5949-29-1 EC No.: 611-842-9 REACH: 01-2119457026-42-XXXX Index No.:	<0.1%	Eye Irrit. 2, H319	
Disodium tin hexahydroxide	CAS No.: 12027-70-2 EC No.: 234-724-5 REACH: 01-2120770924-45-XXXX Index No.:	<0.05%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	[1]

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information

[1] European occupational exposure limit.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General information:

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet.
Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

Inhalation:

Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

Skin contact:

Upon irritation: rinse with water. In the event of continued irritation, seek medical assistance.

Eye contact:

If in eyes: Flush eyes with water or saline water (20-30 °C) for at least 5 minutes. Remove contact lenses. Seek medical assistance and continue flushing during transport.

Ingestion:

If the person is conscious, rinse the mouth with water and stay with the person. Never give the person anything to drink.

In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the person lean forward with head down to avoid inhalation of or choking on vomited material.

Burns:

Not applicable.

4.2. Most important symptoms and effects, both acute and delayed

None known.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

Information to medics

Bring this safety data sheet or the label from this product.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Not applicable.

5.2. Special hazards arising from the substance or mixture

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

Carbon oxides (CO / CO₂)

5.3. Advice for firefighters

No specific requirements.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation, especially in confined areas.

Contaminated areas may be slippery.

6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.

Keep unauthorized persons away from the spill

6.3. Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections

See section 13 "Disposal considerations" on handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Smoking, drinking and consumption of food is not allowed in the work area.

See section 8 "Exposure controls/personal protection" for information on personal protection.

7.2. Conditions for safe storage, including any incompatibilities

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Recommended storage material:

Keep only in original packaging.

Storage conditions:

Dry, cool and well ventilated

Incompatible materials:

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

hydrogen peroxide

Long term exposure limit (8 hours) (mg/m³): 1.5

Long term exposure limit (8 hours) (ppm): 1

Short term exposure limit (15 minutes) (mg/m³): 3

Short term exposure limit (15 minutes) (ppm): 2

2024 Code of Practice for the Safety, Health and Welfare at Work (Chemical Agents) Regulations (2001-2021) and the Safety, Health and Welfare at Work (Carcinogens, Mutagens and Reprotoxic Substances) Regulations (2024).

DNEL

1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	0.345 mg/kg
Long term – Systemic effects - Workers	Dermal	966 µg/kg bw/day
Long term – Systemic effects - General population	Inhalation	1.2 mg/m ³
Long term – Systemic effects - Workers	Inhalation	6.81 mg/m ³

Disodium tin hexahydroxide

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	1.21 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	3.37 mg/kg bw/day
Long term – Systemic effects - General population	Inhalation	1.78 mg/m ³
Long term – Systemic effects - Workers	Inhalation	11.9 mg/m ³
Long term – Systemic effects - General population	Oral	1.21 mg/kg bw/day

hydrogen peroxide

Duration:	Route of exposure:	DNEL:
Long term – Local effects - General population	Inhalation	0.21 mg/m ³
Long term – Local effects - General population	Inhalation	210 µg/m ³
Long term – Local effects - Workers	Inhalation	1.4 mg/m ³
Short term – Local effects - General population	Inhalation	1.93 mg/m ³
Short term – Local effects - Workers	Inhalation	3 mg/m ³

PNEC

1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		4.03 µg/L
Freshwater sediment		49.9 µg/kg
Intermittent release (freshwater)		1.1 µg/L
Intermittent release (marine water)		110 ng/L
Marine water		403 ng/L
Marine water sediment		4.99 µg/kg
Sewage treatment plant		1.03 mg/L
Soil		3 mg/kg

Disodium tin hexahydroxide

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		33.1 µg/L
Freshwater sediment		1.395 mg/kg
Intermittent release (freshwater)		331 µg/L
Intermittent release (marine water)		33.1 µg/L
Marine water		3.31 µg/L
Marine water sediment		139.46 µg/kg

Sewage treatment plant		10 mg/L
hydrogen peroxide		
Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		0,0126 mg/L
Freshwater		12.6 µg/L
Freshwater sediment		0,047 mg/kg
Freshwater sediment		47 µg/kg
Intermittent release (freshwater)		13.8 µg/L
Marine water		0,047 mg/L
Marine water		12.6 µg/L
Marine water sediment		0,047 mg/L
Marine water sediment		47 µg/kg
Sewage treatment plant		4.66 mg/L
Sewage treatment plant		4.66 mg/L
Soil		0,023 mg/kg
Soil		2.3 µg/kg

8.2. Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

General recommendations:

Smoking, drinking and consumption of food is not allowed in the work area.

Exposure scenarios:

There are no exposure scenarios implemented for this product.

Exposure limits:

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

Appropriate technical measures:

The formation of vapours must be kept at a minimum and below current limit values (see above). Installation of a local exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure eyewash and emergency showers are clearly marked.

Apply standard precautions during use of the product. Avoid inhalation of vapours.

Hygiene measures:

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Pay special attention to hands, forearms and face.

Measures to avoid environmental exposure:

No specific requirements.

Individual protection measures, such as personal protective equipment

Generally:

Use only CE marked protective equipment.

Respiratory Equipment:

Type	Class	Colour	Standards	
No special when used as intended.				

Skin protection:

Recommended	Type/Category	Standards	
No special when used as intended.	-	-	

Hand protection:

Work situation	Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
	No special when used as intended	-	-	-	
In the event of prolonged exposure or high concentrations	Cotton/Latex	-	> 120	EN374-2, EN16523-1, EN388	

Eye protection:

Work situation	Type	Standards	
	No special when used as intended.	-	
In the event of prolonged exposure or high concentrations	Safety glasses with side shields.	EN166	

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state:

Liquid

Colour:

Colourless

Odour / Odour threshold:

Of perfume

pH:

ca. 4.8

Density (g/cm³):

1.02 (20 °C)

Kinematic viscosity:

No data available.

Particle characteristics:

Does not apply to liquids.

Phase changes

Melting point/Freezing point (°C):

No data available.

Softening point/range (°C):

Does not apply to liquids.

Boiling point (°C):

No data available.

Vapour pressure:

No data available.

Relative vapour density:

No data available.

Decomposition temperature (°C):

No data available.

Data on fire and explosion hazards

Flash point (°C):

No data available.

Flammability (°C):

No data available.

Auto-ignition temperature (°C):

No data available.

Lower and upper explosion limit (% v/v):

No data available.

Solubility

Solubility in water:

Completely soluble

n-octanol/water coefficient (LogKow):

No data available.

Solubility in fat (g/L):

No data available.

9.2. Other information

Other physical and chemical parameters:

No data available.

Oxidizing properties:

No data available.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

10.2. Chemical stability

The product is stable under the conditions, noted in section 7 "Handling and storage".

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Product/substance	hydrogen peroxide
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	1.193 - 1.270 mg/L

Product/substance	hydrogen peroxide
Species:	Rabbit
Route of exposure:	Dermal
Test:	LD50
Result:	>2.000 (35% oplossing) mg/kg

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Species:	Rat

Route of exposure: Oral
Test: LD50
Result: 500 mg/kg

Based on available data, the classification criteria are not met.

Skin corrosion/irritation

Product/substance: hydrogen peroxide
Result: Adverse effect observed (Irritating)

Product/substance: 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Test method: OECD 404
Result: Adverse effect observed (Irritating)

Based on available data, the classification criteria are not met.

Serious eye damage/irritation

Product/substance: hydrogen peroxide
Result: Adverse effect observed (Causes serious eye damage)

Product/substance: 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Test method: OECD 405
Result: Adverse effect observed (Causes serious eye damage)

Based on available data, the classification criteria are not met.

Respiratory sensitisation

Product/substance: hydrogen peroxide
Result: No adverse effect observed (not sensitising)

Based on available data, the classification criteria are not met.

Skin sensitisation

Product/substance: 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Test method: OECD 429
Species: Mouse
Result: Adverse effect observed (sensitising)

Product/substance: 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Test method: OECD 406
Species: Guinea pig
Result: Adverse effect observed (sensitising)

Based on available data, the classification criteria are not met.

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Product/substance: hydrogen peroxide
Conclusion: No adverse effect observed

Based on available data, the classification criteria are not met.

Reproductive toxicity

Product/substance: hydrogen peroxide
Conclusion: No adverse effect observed

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Product/substance: hydrogen peroxide
Based on available data, the classification criteria are not met.

11.2. Information on other hazards

Long term effects

None known.

Endocrine disrupting properties

This mixture/product does not contain any substances known to have hormone-disrupting properties in relation to health.

Other information

hydrogen peroxide has been classified by IARC as a group 3 carcinogen.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Product/substance	hydrogen peroxide
Species:	Fish, Pimephales promelas
Duration:	96 hours
Test:	LC50
Result:	16,4 mg/L

Product/substance	hydrogen peroxide
Species:	Fish, Leuciscus idus
Duration:	72 hours
Test:	LC50
Result:	35 mg/L

Product/substance	hydrogen peroxide
Species:	Fish, Oncorhynchus mykiss
Duration:	7 days
Test:	LC50
Result:	38,5 mg/L

Product/substance	hydrogen peroxide
Species:	Daphnia pulex
Duration:	48 hours
Test:	EC50
Result:	2,4 mg/L

Product/substance	hydrogen peroxide
Species:	Daphnia magna
Duration:	24 hours
Test:	EC50
Result:	7,7 mg/L

Product/substance	hydrogen peroxide
Species:	Skeletonema costatum
Duration:	72 hours
Test:	EC50
Result:	1,38 mg/L

Product/substance	hydrogen peroxide
Test method:	OECD 209
Species:	Bacteria
Compartment:	Activated Sludge Plant
Duration:	30 minutes
Test:	EC50
Result:	466 mg/L

Product/substance	hydrogen peroxide
Test method:	OECD 209

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Species:	Bacteria
Compartment:	Activated Sludge Plant
Duration:	3 hours
Test:	EC50
Result:	> 1.000 mg/L

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Species:	Fish
Duration:	96 hours
Test:	LC50
Result:	>0.1-1 mg/L

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Species:	Crustacean
Duration:	48 hours
Test:	EC50
Result:	>0.1-1 mg/L

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Species:	Algae
Duration:	72 hours
Test:	EC50
Result:	>0.1-1 mg/L

Based on available data, the classification criteria are not met.

12.2. Persistence and degradability

Product/substance	Alcohol, C13, bran., EO, sulfate Na~
Result:	> 60 %
Conclusion:	Readily biodegradable
Test:	OECD 301 B

Product/substance	hydrogen peroxide
Conclusion:	Readily biodegradable

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Result:	90%
Conclusion:	Readily biodegradable
Test:	OECD 302

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

12.3. Bioaccumulative potential

Product/substance	hydrogen peroxide
LogKow:	-1,57
Conclusion:	-

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
BCF:	2
LogKow:	1.45
Conclusion:	Potential for bioaccumulation is low

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

12.6. Endocrine disrupting properties

This mixture/product does not contain any substances considered to have endocrine-disrupting properties in relation

to the environment.

12.7. Other adverse effects

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Product is covered by the regulations on hazardous waste. (*)

HP 4 - Irritant (skin irritation and eye damage)

Commission Regulation (EU) No 1357/2014 of 18 December 2014 on waste.

EWC code:

20 01 30

Detergents other than those mentioned in 20 01 29

Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: TRANSPORT INFORMATION

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Packing group

** Environmental hazards

Additional information

Not dangerous goods according to ADR, IATA and IMDG.

14.6. Special precautions for user

Not applicable.

14.7. Maritime transport in bulk according to IMO instruments

No data available.

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Restrictions for application:

Restricted to professional users.

Demands for specific education:

No specific requirements.

SEVESO - Categories / dangerous substances:

Not applicable.

Regulation on explosives precursors:

hydrogen peroxide (Annex I)

Labelling of contents according to Detergents Regulation (EC) No 648/2004:

>5% - <15%

· Non-ionic surfactants

< 5%

· Anionic surfactants

· Oxygen-based bleaching Agents

- Perfumes
- Preservation agent (BENZISOTHIAZOLINONE)

Additional information:

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

Sources:

Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents.
Commission Regulation (EU) No 1357/2014 of 18 December 2014 on waste.
Council Regulation (EC) No 2019/1148 on explosives precursors.
Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (CLP).
Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

15.2. Chemical safety assessment

No

SECTION 16: OTHER INFORMATION

Full text of H-phrases as mentioned in section 3

H271, May cause fire or explosion; strong oxidiser.
H302, Harmful if swallowed.
H314, Causes severe skin burns and eye damage.
H315, Causes skin irritation.
H318, Causes serious eye damage.
H319, Causes serious eye irritation.
H332, Harmful if inhaled.
H335, May cause respiratory irritation.
H336, May cause drowsiness or dizziness.
H412, Harmful to aquatic life with long lasting effects.

Abbreviations and acronyms

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway
ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
CAS = Chemical Abstracts Service
CE = Conformité Européenne (European conformity)
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
CSA = Chemical Safety Assessment
CSR = Chemical Safety Report
DMEL = Derived Minimal Effect Level
DNEL = Derived No Effect Level
EINECS = European Inventory of Existing Commercial chemical Substances
ES = Exposure Scenario
EUH statement = CLP-specific Hazard statement
EuPCS = European Product Categorisation System
EWC = European Waste Catalogue
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
GWP = Global warming potential
IARC = International Agency for Research on Cancer (IARC)
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)

OECD = Organisation for Economic Co-operation and Development
PBT = Persistent, Bioaccumulative and Toxic
PNEC = Predicted No Effect Concentration
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
RRN = REACH Registration Number
SCL = A specific concentration limit
SVHC = Substances of Very High Concern
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
STOT-SE = Specific Target Organ Toxicity - Single Exposure
TWA = Time weighted average
UN = United Nations
UVBC = Unknown or variable composition, complex reaction products or of biological materials
VOC = Volatile Organic Compound
vPvB = Very Persistent and Very Bioaccumulative

Additional information

Not applicable.

The safety data sheet is validated by

Quality & Compliance

Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

Country-language: IE-en

SAFETY DATA SHEET

i.1 all-purpose cleaner FlexDose

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

▼ *Trade name:*

i.1 all-purpose cleaner FlexDose

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses of the substance or mixture:

Washing and cleaning products (including solvent based products)
Restricted to professional users.

Uses advised against :

None known.

1.3. Details of the supplier of the safety data sheet

Company and address:

Hygeniq B.V.
Postbus 618
7500 AP Enschede
The Netherlands
+31 53 4282860
+31 53 5393865
www.hygeniq.com

E-mail:

info@hygeniq.com

Revision:

27/06/2025

SDS Version:

2.0

Date of previous version:

02/06/2025 (1.0)

1.4. Emergency telephone number

Israel Poison Information Center

Acute poisoning (hotline): 04-7771900 (24h service).

For drug information and consultations pertaining to exposure of pregnant or breast feeding women to drugs, chemicals, and other poisons the center can be called Sundays through Thursdays between 09:00 to 15:00.

See section 4 "First aid measures".

SECTION 2: HAZARDS IDENTIFICATION

Classified according to Israeli Standard SI 2302.

2.1. Classification of the substance or mixture

Not classified according to Regulation (EC) No. 1272/2008 (CLP).

2.2. Label elements

Hazard pictogram(s):

Not applicable.

Signal word:

Not applicable.

Hazard statement(s):

Not applicable.

Precautionary statement(s):

General:

-

Prevention:

-

Response:

-

Storage:

-

Disposal:

-

Hazardous substances:

Does not contain any substances required to report

Additional labelling:

EUH210, Safety data sheet available on request.

2.3. Other hazards

Additional warnings:

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2023/707.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable. This product is a mixture.

3.2. Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
Alcohol, C13, bran., EO, sulfate Na~	CAS No.: 150413-26-6 EC No.: 688-316-0 REACH: Index No.:	1-3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 3, H412	
hydrogen peroxide	CAS No.: 7722-84-1 EC No.: 231-765-0 REACH: 01-2119485845-22-XXXX Index No.: 008-003-00-9	1-3%	Ox. Liq. 1, H271 Acute Tox. 4, H302 Skin Corr. 1A, H314 (SCL: 70.00 %) Skin Corr. 1B, H314 (SCL: 50.00 %) Skin Irrit. 2, H315 (SCL: 35.00 %) Eye Dam. 1, H318 (SCL: 8.00 %) Eye Irrit. 2, H319 (SCL: 5.00 %) Acute Tox. 4, H332 STOT SE 3, H336 (SCL: 35.00 %)	
citroenzuurmonohydraat	CAS No.: 5949-29-1 EC No.: 611-842-9 REACH: 01-2119457026-42-XXXX	<0.1%	Eye Irrit. 2, H319	

	Index No.:			
Disodium tin hexahydroxide	CAS No.: 12027-70-2 EC No.: 234-724-5 REACH: 01-2120770924-45-XXXX Index No.:	<0.05%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	[1]

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information

[1] European occupational exposure limit.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General information:

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

Inhalation:

Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

Skin contact:

Upon irritation: rinse with water. In the event of continued irritation, seek medical assistance.

Eye contact:

If in eyes: Flush eyes with water or saline water (20-30 °C) for at least 5 minutes. Remove contact lenses. Seek medical assistance and continue flushing during transport.

Ingestion:

If the person is conscious, rinse the mouth with water and stay with the person. Never give the person anything to drink. In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the person lean forward with head down to avoid inhalation of or choking on vomited material.

Burns:

Not applicable.

4.2. Most important symptoms and effects, both acute and delayed

None known.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

Information to medics

Bring this safety data sheet or the label from this product.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Not applicable.

5.2. Special hazards arising from the substance or mixture

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are

produced. These are:
Carbon oxides (CO / CO₂)

5.3. Advice for firefighters

No specific requirements.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation, especially in confined areas.
Contaminated areas may be slippery.

6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.
Keep unauthorized persons away from the spill

6.3. Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.
Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections

See section 13 "Disposal considerations" on handling of waste.
See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Smoking, drinking and consumption of food is not allowed in the work area.
See section 8 "Exposure controls/personal protection" for information on personal protection.

7.2. Conditions for safe storage, including any incompatibilities

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Recommended storage material:

Keep only in original packaging.

Storage conditions:

Dry, cool and well ventilated

Incompatible materials:

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

hydrogen peroxide
Long term exposure limit (OSHA Table Z-1) (mg/m³): 1.4
Long term exposure limit (OSHA Table Z-1) (ppm): 1
Long term exposure limit (ACGIH TLV) (ppm): 1

Part 1910 - Occupational Safety and Health Standards (29 CFR 1910.1000 TABLE Z-1 - Limits for Air Contaminants)

DNEL

1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	0.345 mg/kg

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Long term – Systemic effects - Workers	Dermal	966 µg/kg bw/day
Long term – Systemic effects - General population	Inhalation	1.2 mg/m ³
Long term – Systemic effects - Workers	Inhalation	6.81 mg/m ³

Disodium tin hexahydroxide

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	1.21 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	3.37 mg/kg bw/day
Long term – Systemic effects - General population	Inhalation	1.78 mg/m ³
Long term – Systemic effects - Workers	Inhalation	11.9 mg/m ³
Long term – Systemic effects - General population	Oral	1.21 mg/kg bw/day

hydrogen peroxide

Duration:	Route of exposure:	DNEL:
Long term – Local effects - General population	Inhalation	0,21 mg/m ³
Long term – Local effects - General population	Inhalation	210 µg/m ³
Long term – Local effects - Workers	Inhalation	1.4 mg/m ³
Short term – Local effects - General population	Inhalation	1.93 mg/m ³
Short term – Local effects - Workers	Inhalation	3 mg/m ³

PNEC

1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		4.03 µg/L
Freshwater sediment		49.9 µg/kg
Intermittent release (freshwater)		1.1 µg/L
Intermittent release (marine water)		110 ng/L
Marine water		403 ng/L
Marine water sediment		4.99 µg/kg
Sewage treatment plant		1.03 mg/L
Soil		3 mg/kg

Disodium tin hexahydroxide

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		33.1 µg/L
Freshwater sediment		1.395 mg/kg
Intermittent release (freshwater)		331 µg/L
Intermittent release (marine water)		33.1 µg/L
Marine water		3.31 µg/L
Marine water sediment		139.46 µg/kg
Sewage treatment plant		10 mg/L

hydrogen peroxide

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		0,0126 mg/L
Freshwater		12.6 µg/L
Freshwater sediment		0,047 mg/kg

Freshwater sediment		47 µg/kg
Intermittent release (freshwater)		13.8 µg/L
Marine water		0,047 mg/L
Marine water		12.6 µg/L
Marine water sediment		0,047 mg/L
Marine water sediment		47 µg/kg
Sewage treatment plant		4.66 mg/L
Sewage treatment plant		4.66 mg/L
Soil		0,023 mg/kg
Soil		2.3 µg/kg

8.2. Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

General recommendations:

Smoking, drinking and consumption of food is not allowed in the work area.

Exposure scenarios:

There are no exposure scenarios implemented for this product.

Exposure limits:

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

Appropriate technical measures:

The formation of vapours must be kept at a minimum and below current limit values (see above). Installation of a local exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure eyewash and emergency showers are clearly marked.

Apply standard precautions during use of the product. Avoid inhalation of vapours.

Hygiene measures:

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Pay special attention to hands, forearms and face.

Measures to avoid environmental exposure:

No specific requirements.

Individual protection measures, such as personal protective equipment

Generally:

Use only CE marked protective equipment.

Respiratory Equipment:

Type	Class	Colour	Standards	
No special when used as intended.				

Skin protection:

Recommended	Type/Category	Standards	
No special when used as intended.	-	-	

Hand protection:

Work situation	Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
	No special when used as intended	-	-	-	
In the event of prolonged exposure or high concentrations	Cotton/Latex	-	> 120	EN374-2, EN16523-1, EN388	

Eye protection:

Work situation	Type	Standards	
	No special when used as intended.	-	
In the event of prolonged exposure or high concentrations	Safety glasses with side shields.	EN166	

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state:

Liquid

Colour:

Colourless

Odour / Odour threshold:

Of perfume

pH:

ca. 4.8

Density (g/cm³):

1.02 (20 °C)

Kinematic viscosity:

No data available.

Particle characteristics:

Does not apply to liquids.

Phase changes

Melting point/Freezing point (°C):

No data available.

Softening point/range (°C):

Does not apply to liquids.

Boiling point (°C):

No data available.

Vapour pressure:

No data available.

Relative vapour density:

No data available.

Decomposition temperature (°C):

No data available.

Data on fire and explosion hazards

Flash point (°C):

No data available.

Flammability (°C):

No data available.

Auto-ignition temperature (°C):

No data available.

Lower and upper explosion limit (% v/v):

No data available.

Solubility

Solubility in water:

Completely soluble

n-octanol/water coefficient (LogKow):

No data available.

Solubility in fat (g/L):

No data available.

9.2. Other information

Other physical and chemical parameters:

No data available.

Oxidizing properties:

No data available.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

10.2. Chemical stability

The product is stable under the conditions, noted in section 7 "Handling and storage".

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Product/substance	hydrogen peroxide
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	1.193 - 1.270 mg/L

Product/substance	hydrogen peroxide
Species:	Rabbit
Route of exposure:	Dermal
Test:	LD50
Result:	>2.000 (35% oplossing) mg/kg

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	500 mg/kg

Based on available data, the classification criteria are not met.

Skin corrosion/irritation

Product/substance	hydrogen peroxide
Result:	Adverse effect observed (Irritating)

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Test method:	OECD 404
Result:	Adverse effect observed (Irritating)

Based on available data, the classification criteria are not met.

Serious eye damage/irritation

Product/substance	hydrogen peroxide
Result:	Adverse effect observed (Causes serious eye damage)

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Test method:	OECD 405
Result:	Adverse effect observed (Causes serious eye damage)

Based on available data, the classification criteria are not met.

Respiratory sensitisation

Product/substance	hydrogen peroxide
Result:	No adverse effect observed (not sensitising)

Based on available data, the classification criteria are not met.

Skin sensitisation

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Test method:	OECD 429
Species:	Mouse
Result:	Adverse effect observed (sensitising)

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Test method:	OECD 406
Species:	Guinea pig
Result:	Adverse effect observed (sensitising)

Based on available data, the classification criteria are not met.

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Product/substance	hydrogen peroxide
Conclusion:	No adverse effect observed

Based on available data, the classification criteria are not met.

Reproductive toxicity

Product/substance	hydrogen peroxide
Conclusion:	No adverse effect observed

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Product/substance	hydrogen peroxide
Based on available data, the classification criteria are not met.	

11.2. Information on other hazards

Long term effects

None known.

Endocrine disrupting properties

This mixture/product does not contain any substances known to have hormone-disrupting properties in relation to health.

Other information

hydrogen peroxide has been classified by IARC as a group 3 carcinogen.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Product/substance: hydrogen peroxide
Species: Fish, Pimephales promelas
Duration: 96 hours
Test: LC50
Result: 16,4 mg/L

Product/substance: hydrogen peroxide
Species: Fish, Leuciscus idus
Duration: 72 hours
Test: LC50
Result: 35 mg/L

Product/substance: hydrogen peroxide
Species: Fish, Oncorhynchus mykiss
Duration: 7 days
Test: LC50
Result: 38,5 mg/L

Product/substance: hydrogen peroxide
Species: Daphnia pulex
Duration: 48 hours
Test: EC50
Result: 2,4 mg/L

Product/substance: hydrogen peroxide
Species: Daphnia magna
Duration: 24 hours
Test: EC50
Result: 7,7 mg/L

Product/substance: hydrogen peroxide
Species: Skeletonema costatum
Duration: 72 hours
Test: EC50
Result: 1,38 mg/L

Product/substance: hydrogen peroxide
Test method: OECD 209
Species: Bacteria
Compartment: Activated Sludge Plant
Duration: 30 minutes
Test: EC50
Result: 466 mg/L

Product/substance: hydrogen peroxide
Test method: OECD 209
Species: Bacteria
Compartment: Activated Sludge Plant
Duration: 3 hours
Test: EC50
Result: > 1.000 mg/L

Product/substance: 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Species: Fish
Duration: 96 hours

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Test: LC50
Result: >0.1-1 mg/L

Product/substance 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Species: Crustacean
Duration: 48 hours
Test: EC50
Result: >0.1-1 mg/L

Product/substance 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Species: Algae
Duration: 72 hours
Test: EC50
Result: >0.1-1 mg/L

Based on available data, the classification criteria are not met.

12.2. Persistence and degradability

Product/substance Alcohol, C13, bran., EO, sulfate Na~
Result: > 60 %
Conclusion: Readily biodegradable
Test: OECD 301 B

Product/substance hydrogen peroxide
Conclusion: Readily biodegradable

Product/substance 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Result: 90%
Conclusion: Readily biodegradable
Test: OECD 302

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

12.3. Bioaccumulative potential

Product/substance hydrogen peroxide
LogKow: -1,57
Conclusion: -

Product/substance 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
BCF: 2
LogKow: 1.45
Conclusion: Potential for bioaccumulation is low

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

12.6. Endocrine disrupting properties

This mixture/product does not contain any substances considered to have endocrine-disrupting properties in relation to the environment.

12.7. Other adverse effects

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Product is covered by the regulations on hazardous waste. (*)
HP 4 - Irritant (skin irritation and eye damage)
Commission Regulation (EU) No 1357/2014 of 18 December 2014 on waste.

EWC code:
20 01 30 Detergents other than those mentioned in 20 01 29

Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: TRANSPORT INFORMATION

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Packing group

** Environmental hazards

Additional information

Not dangerous goods according to ADR, IATA and IMDG.

14.6. Special precautions for user

Not applicable.

14.7. Maritime transport in bulk according to IMO instruments

No data available.

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Restrictions for application:

Restricted to professional users.

Demands for specific education:

No specific requirements.

SEVESO - Categories / dangerous substances:

Not applicable.

Regulation on explosives precursors:

hydrogen peroxide (Annex I)

Additional information:

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

Sources:

Prevention of Environmental Nuisances Law 5752-1992

Council Regulation (EC) No 2019/1148 on explosives precursors.

Israeli Standard SI 2302 Part 1 – Dangerous substances and mixtures: Classification, labelling, marking and packaging.

Israeli Standard SI 2302 Part 2 – Transportation: Classification, labelling, marking and packaging.

15.2. Chemical safety assessment

No

SECTION 16: OTHER INFORMATION

Full text of H-phrases as mentioned in section 3

H271, May cause fire or explosion; strong oxidiser.
H302, Harmful if swallowed.
H314, Causes severe skin burns and eye damage.
H315, Causes skin irritation.
H318, Causes serious eye damage.
H319, Causes serious eye irritation.
H332, Harmful if inhaled.
H335, May cause respiratory irritation.
H336, May cause drowsiness or dizziness.
H412, Harmful to aquatic life with long lasting effects.

Abbreviations and acronyms

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway
ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
CAS = Chemical Abstracts Service
CE = Conformité Européenne (European conformity)
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
CSA = Chemical Safety Assessment
CSR = Chemical Safety Report
DMEL = Derived Minimal Effect Level
DNEL = Derived No Effect Level
EINECS = European Inventory of Existing Commercial chemical Substances
ES = Exposure Scenario
EUH statement = CLP-specific Hazard statement
EuPCS = European Product Categorisation System
EWC = European Waste Catalogue
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
GWP = Global warming potential
IARC = International Agency for Research on Cancer (IARC)
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
OECD = Organisation for Economic Co-operation and Development
PBT = Persistent, Bioaccumulative and Toxic
PNEC = Predicted No Effect Concentration
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
RRN = REACH Registration Number
SCL = A specific concentration limit
SVHC = Substances of Very High Concern
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
STOT-SE = Specific Target Organ Toxicity - Single Exposure
TWA = Time weighted average
UN = United Nations
UVBC = Unknown or variable composition, complex reaction products or of biological materials
VOC = Volatile Organic Compound
vPvB = Very Persistent and Very Bioaccumulative

Additional information

Not applicable.

The safety data sheet is validated by

Quality & Compliance

Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

Country-language: IL-en

SAFETY DATA SHEET

i.1 all-purpose cleaner FlexDose

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

SDS created for INDIA according to GHS

1.1. Product identifier

▼ *Trade name:*

i.1 all-purpose cleaner FlexDose

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses of the substance or mixture:

Washing and cleaning products (including solvent based products)

Restricted to professional users.

Uses advised against :

None known.

1.3. Details of the supplier of the safety data sheet

Company and address:

Hygeniq B.V.

Postbus 618

7500 AP Enschede

The Netherlands

+31 53 4282860

+31 53 5393865

www.hygeniq.com

E-mail:

info@hygeniq.com

SDS date:

27/06/2025

SDS Version:

2.0

Date of previous version:

02/06/2025 (1.0)

1.4. Emergency telephone number

Contact the local emergency services.

See section 4 "First aid measures".

SECTION 2: HAZARDS IDENTIFICATION

Classified according to GHS.

2.1. Classification of the substance or mixture

Skin Irrit. 3; H316, Causes mild skin irritation

2.2. Label elements

Hazard pictogram(s):

Not applicable.

Signal word:

Warning

Hazard statement(s):

Causes mild skin irritation (H316)

Precautionary statement(s):

General:

-

Prevention:

-

Response:

If skin irritation occurs: Get medical advice/attention. (P332+P313)

Storage:

-

Disposal:

-

Hazardous substances:

Does not contain any substances required to report

Additional labelling:

Not applicable.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable. This product is a mixture.

3.2. Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
Alcohol, C13, bran., EO, sulfate Na~	CAS No.: 150413-26-6 EC No.: 688-316-0	1-3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 3, H412	
hydrogen peroxide	CAS No.: 7722-84-1 EC No.: 231-765-0	1-3%	Ox. Liq. 1, H271 Acute Tox. 4, H302 Skin Corr. 1A, H314 (SCL: 70.00 %) Skin Corr. 1B, H314 (SCL: 50.00 %) Skin Irrit. 2, H315 (SCL: 35.00 %) Eye Dam. 1, H318 (SCL: 8.00 %) Eye Irrit. 2, H319 (SCL: 5.00 %) Acute Tox. 4, H332 STOT SE 3, H336 (SCL: 35.00 %)	
citroenzuurmonohydraat	CAS No.: 5949-29-1 EC No.: 611-842-9	<0.1%	Eye Irrit. 2, H319	

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information

-

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General information:

In the case of accident: Contact a doctor or casualty department – bring the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

Inhalation:

Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

Skin contact:

Remove contaminated clothing and shoes immediately. Ensure to wash exposed skin thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or thinners.

Eye contact:

If in eyes: Flush eyes with water or saline water (20-30 °C) for at least 5 minutes. Remove contact lenses. Seek medical assistance and continue flushing during transport.

Ingestion:

If the person is conscious, rinse the mouth with water and stay with the person. Never give the person anything to drink.

In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the person lean forward with head down to avoid inhalation of or choking on vomited material.

Burns:

Not applicable.

4.2. Most important symptoms and effects, both acute and delayed

None known.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

Information to medics

Bring this safety data sheet or the label from this product.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Not applicable.

5.2. Special hazards arising from the substance or mixture

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

Carbon oxides (CO / CO₂)

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact the national poisons emergency services in order to obtain further advice.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Contaminated areas may be slippery.

6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.

Keep unauthorized persons away from the spill

6.3. Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.
Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections

See section 13 "Disposal considerations" on handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Smoking, drinking and consumption of food is not allowed in the work area.

See section 8 "Exposure controls/personal protection" for information on personal protection.

7.2. Conditions for safe storage, including any incompatibilities

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Recommended storage material:

Keep only in original packaging.

Storage conditions:

Dry, cool and well ventilated

Incompatible materials:

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

No substances are listed with an occupational exposure limit.

8.2. Exposure controls

Apply general control to prevent unnecessary exposure

General recommendations:

Smoking, drinking and consumption of food is not allowed in the work area.

Exposure scenarios:

There are no exposure scenarios implemented for this product.

Exposure limits:

Occupational exposure limits have not been defined for the substances in this product.

Appropriate technical measures:

Apply standard precautions during use of the product. Avoid inhalation of vapours.

Hygiene measures:

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Pay special attention to hands, forearms and face.

Measures to avoid environmental exposure:

No specific requirements.

Individual protection measures, such as personal protective equipment

Generally:

Use only CE marked protective equipment.

Respiratory Equipment:

Type	Class	Colour	Standards	
No special when used as intended.				

Skin protection:

Recommended	Type/Category	Standards	
No special when used as intended.	-	-	

Hand protection:

Work situation	Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
	No special when used as intended	-	-	-	
In the event of prolonged exposure or high concentrations	Cotton/Latex	-	> 120	EN374-2, EN16523-1, EN388	

Eye protection:

Work situation	Type	Standards	
	No special when used as intended.	-	
In the event of prolonged exposure or high concentrations	Safety glasses with side shields.	EN166	

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Form:

Liquid

Colour:

Colourless

Odour:

Of perfume

Odour threshold (ppm):

No data available.

pH:

ca. 4.8

Density (g/cm³):

1.02 (20 °C)

Kinematic viscosity:

No data available.

Particle characteristics:

Does not apply to liquids.

Phase changes

Melting point/Freezing point (°C):

No data available.

Softening point/range (°C):

Does not apply to liquids.

Boiling point (°C):

No data available.

Vapour pressure:

No data available.

Relative vapour density:

No data available.

Decomposition temperature (°C):

No data available.

Evaporation rate (n-butylacetate = 100):

Data on fire and explosion hazards

Flash point (°C):

No data available.

Flammability (°C):

No data available.

Auto-ignition temperature (°C):

No data available.

Explosion limits (% v/v):

No data available.

Solubility

Solubility in water:

Completely soluble

n-octanol/water coefficient (LogKow):

No data available.

Solubility in fat (g/L):

No data available.

9.2. Other information

No data available.

Other physical and chemical parameters:

No data available.

Oxidizing properties:

No data available.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

10.2. Chemical stability

The product is stable under the conditions, noted in section 7 "Handling and storage".

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity

Product/substance	hydrogen peroxide
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	1.193 - 1.270 mg/L

Product/substance	hydrogen peroxide
Species:	Rabbit
Route of exposure:	Dermal
Test:	LD50
Result:	>2.000 (35% oplossing) mg/kg

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	500 mg/kg

Based on available data, the classification criteria are not met.

Skin corrosion/irritation

Product/substance	hydrogen peroxide
Result:	Adverse effect observed (Irritating)

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Test method:	OECD 404
Result:	Adverse effect observed (Irritating)

Based on available data, the classification criteria are not met.

Serious eye damage/irritation

Product/substance	hydrogen peroxide
Result:	Adverse effect observed (Causes serious eye damage)

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Test method:	OECD 405
Result:	Adverse effect observed (Causes serious eye damage)

Based on available data, the classification criteria are not met.

Respiratory sensitisation

Product/substance	hydrogen peroxide
Result:	No adverse effect observed (not sensitising)

Based on available data, the classification criteria are not met.

Skin sensitisation

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Test method:	OECD 429
Species:	Mouse
Result:	Adverse effect observed (sensitising)

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Test method:	OECD 406
Species:	Guinea pig
Result:	Adverse effect observed (sensitising)

Based on available data, the classification criteria are not met.

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Product/substance	hydrogen peroxide
Conclusion:	No adverse effect observed

Based on available data, the classification criteria are not met.

hydrogen peroxide has been classified by IARC as a group 3 carcinogen.

Reproductive toxicity

Product/substance	hydrogen peroxide
Conclusion:	No adverse effect observed

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Product/substance hydrogen peroxide

Based on available data, the classification criteria are not met.

Long term effects

None known.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Product/substance	hydrogen peroxide
Species:	Fish, Pimephales promelas
Duration:	96 hours
Test:	LC50
Result:	16,4 mg/L

Product/substance	hydrogen peroxide
Species:	Fish, Leuciscus idus
Duration:	72 hours
Test:	LC50
Result:	35 mg/L

Product/substance	hydrogen peroxide
Species:	Fish, Oncorhynchus mykiss
Duration:	7 days
Test:	LC50
Result:	38,5 mg/L

Product/substance	hydrogen peroxide
Species:	Daphnia pulex
Duration:	48 hours
Test:	EC50
Result:	2,4 mg/L

Product/substance	hydrogen peroxide
Species:	Daphnia magna
Duration:	24 hours
Test:	EC50
Result:	7,7 mg/L

Product/substance	hydrogen peroxide
Species:	Skeletonema costatum
Duration:	72 hours
Test:	EC50
Result:	1,38 mg/L

Product/substance	hydrogen peroxide
Test method:	OECD 209
Species:	Bacteria
Compartment:	Activated Sludge Plant
Duration:	30 minutes
Test:	EC50
Result:	466 mg/L

According to GHS Rev. 8, 2019

Product/substance	hydrogen peroxide
Test method:	OECD 209
Species:	Bacteria
Compartment:	Activated Sludge Plant
Duration:	3 hours
Test:	EC50
Result:	> 1.000 mg/L
Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Species:	Fish
Duration:	96 hours
Test:	LC50
Result:	>0.1-1 mg/L
Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Species:	Crustacean
Duration:	48 hours
Test:	EC50
Result:	>0.1-1 mg/L
Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Species:	Algae
Duration:	72 hours
Test:	EC50
Result:	>0.1-1 mg/L

Based on available data, the classification criteria are not met.

12.2. Persistence and degradability

Product/substance	Alcohol, C13, bran., EO, sulfate Na~
Result:	> 60 %
Conclusion:	Readily biodegradable
Test:	OECD 301 B

Product/substance	hydrogen peroxide
Conclusion:	Readily biodegradable

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Result:	90%
Conclusion:	Readily biodegradable
Test:	OECD 302

12.3. Bioaccumulative potential

Product/substance	hydrogen peroxide
LogKow:	-1,57
Conclusion:	-

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
BCF:	2
LogKow:	1.45
Conclusion:	Potential for bioaccumulation is low

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

12.6. Other adverse effects

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

Dispose of contents/container to an approved waste disposal plant.

Specific labelling

Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: TRANSPORT INFORMATION

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Packing group

** Environmental hazards

Additional information

Not dangerous goods according to ADR, IATA and IMDG.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

No data available.

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Restrictions for application:

Restricted to professional users.

Demands for specific education:

No specific requirements.

Additional information:

Not applicable.

Sources:

Globally Harmonized System of Classification and Labelling of Chemicals (GHS Rev. 8, 2019)

15.2. Chemical safety assessment

No

SECTION 16: OTHER INFORMATION

Full text of H-phrases as mentioned in section 3

H271, May cause fire or explosion; strong oxidiser.

H302, Harmful if swallowed.

H314, Causes severe skin burns and eye damage.

H315, Causes skin irritation.

H318, Causes serious eye damage.

H319, Causes serious eye irritation.
H332, Harmful if inhaled.
H336, May cause drowsiness or dizziness.
H412, Harmful to aquatic life with long lasting effects.

The full text of identified uses as mentioned in section 1

None known.

Abbreviations and acronyms

ACGIH = American Conference of Governmental Industrial Hygienists
ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway
ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
CAS = Chemical Abstracts Service
CERCLA = Comprehensive Environmental Response Compensation and Liability Act
DOT = Department of Transportation
EINECS = European Inventory of Existing Commercial chemical Substances
EPCRA = Emergency Planning and Community Right-To-Know Act
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
HCIS = Hazardous Chemical Information System
HNOC = Hazards Not Otherwise Classified
IARC = International Agency for Research on Cancer
IATA = International Air Transport Association
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
NFPA = National Fire Protection Association
NIOSH = National Institute for Occupational Safety and Health
OECD = Organisation for Economic Co-operation and Development
OSHA = Occupational Safety and Health Administration
PBT = Persistent, Bioaccumulative and Toxic
RCRA = Resource Conservation and Recovery Act
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
RRN = REACH Registration Number
SARA = Superfund Amendments and Reauthorization Act
SCL = A specific concentration limit.
STEL = Short-term exposure limits
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
STOT-SE = Specific Target Organ Toxicity - Single Exposure
TSCA = The Toxic Substances Control Act
TWA = Time weighted average
UN = United Nations
UVBC = Unknown or variable composition, complex reaction products or of biological materials
VOC = Volatile Organic Compound
vPvB = Very Persistent and Very Bioaccumulative

Additional information

Not applicable.

The safety data sheet is validated by

Quality & Compliance

Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

Country-language: IN-en

ÖRYGGISBLAÐ

i.1 all-purpose cleaner FlexDose

1. LIÐUR: AUÐKENNING EFNISINS EÐA BLÖNDUNNAR OG FÉLAGSINS EÐA FYRIRTÆKISINS

1.1. Vörukenni

▼ *Viðskiptaheiti:*

i.1 all-purpose cleaner FlexDose

1.2. Viðeigandi og tilgreind notkun efnis eða blöndu og notkun sem ráðið er frá

Viðeigandi og tilgreind notkun á efninu eða blöndunni:

Þvotta- og hreinsiefni (þar á meðal leysiefni)
Eingöngu ætlað fagmönnum.

Notkun sem ráðið er frá:

Enginn kunnuglegur.

1.3. Upplýsingar um birgi öryggisblaðsins

Fyrirtæki og heimilisfang:

Hygeniq B.V.

Postbus 618

7500 AP Enschede

The Netherlands

+31 53 4282860

+31 53 5393865

www.hygeniq.com

Netfang:

info@hygeniq.com

Dagsetning öryggisblaðs:

27.6.2025

Útgáfa öryggisblaðs:

2.0

Dagsetning fyrri útgáfu:

2.6.2025 (1.0)

1.4. Neyðarsímanúmer

Neyðarlínan: Sími 112.

Eitrunarmiðstöð Landsspítalans. Sími: 543 2222.

Sjá liður 4: Ráðstafanir í skyndihjálpi.

2. LIÐUR: HÆTTUGREINING

2.1. Flokkun efnisins eða blöndunnar

Óflokkað samkvæmt reglugerð (EB) nr. 1272/2008 (CLP).

2.2. Merkingaratriði

Hættumerki:

Á ekki við.

Viðvörðunarorð:

Á ekki við.

Hættusetningar:

Á ekki við.

Varnaðarsetningar:

Almennt:

-

Fyrirbygging:

-

Viðbrögð:

-

Geymsla:

-

Förgun:

-

Tilgreining efna sem valda alvarlegum heilsuvandamálum:

Inniheldur engin efni sem nauðsynlegt er að tilkynna

Viðbótarmerking:

EUH210, Öryggisblað er fáanlegt sé um það beðið.

Innihaldsmerking í samræmi við reglugerð (EB) nr. 648/2004 (á við um umbúðir þvottaefna sem seld eru almenningi):

>5% - <15%

· Ójónuð, yfirborðsvirk efni

< 5%

· Mínushlaðin, yfirborðsvirk efni

· Bleikiefni, að stofni til úr súrefni

· Ilmefni

· Rotvarnarefni (BENZISOTHIAZOLINONE)

2.3. Aðrar hættur

Viðbótarviðvaranir:

Þessi blanda/vara inniheldur ekki nein efni sem ætlað er að standast kröfur sem flokkar þau sem PBT (þrávirk, lífræn eiturefni sem safnast fyrir í lífverum) og/eða vPvB.

Þessi vara inniheldur engin efni sem teljast til innkirtlatruflana í samræmi við viðmiðanirnar sem settar eru fram í framseldri reglugerð framkvæmdastjórnarinnar (ESB) 2017/2100 eða reglugerð framkvæmdastjórnarinnar (ESB) 2023/707.

3. LIÐUR: SAMSETNING INNIHALDSEFNA/UPPLÝSINGAR UM INNIHALDSEFNI

3.1. Efni

Á ekki við. Þessi vara er blanda.

3.2. Blöndur

Vara/innihaldsefnis	Auðkenni	% w/w	Flokkun	Tákn
Alcohol, C13, bran., EO, sulfate Na~	CAS-nr.: 150413-26-6 EB-nr.: 688-316-0 REACH: Vísitala nr. :	1-3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 3, H412	
hydrogen peroxide	CAS-nr.: 7722-84-1 EB-nr.: 231-765-0 REACH: 01-2119485845-22-XXXX Vísitala nr. : 008-003-00-9	1-3%	Ox. Liq. 1, H271 Acute Tox. 4, H302 Skin Corr. 1A, H314 (SCL: 70,00 %) Skin Corr. 1B, H314 (SCL: 50,00 %) Skin Irrit. 2, H315 (SCL: 35,00 %) Eye Dam. 1, H318 (SCL: 8,00 %)	

			Eye Irrit. 2, H319 (SCL: 5,00 %) Acute Tox. 4, H332 STOT SE 3, H336 (SCL: 35,00 %)	
citroenzuurmonohydraat	CAS-nr.: 5949-29-1 EB-nr.: 611-842-9 REACH: 01-2119457026-42-XXXX Vísitala nr. :	<0.1%	Eye Irrit. 2, H319	
Disodium tin hexahydroxide	CAS-nr.: 12027-70-2 EB-nr.: 234-724-5 REACH: 01-2120770924-45-XXXX Vísitala nr. :	<0.05%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	[1]

Allar hættu-/áhættusetningar er að finna í liður 16. Notkunartakmörk eru tekin fram í liður 8 ef þau eru tiltæk.

Aðrar upplýsingar

[1] Evrópsk viðmiðunarmörk váhrifa.

4. LIÐUR: RÁÐSTAFANIR Í SKYNDIHLJÁL

4.1. Lýsing á ráðstöfunum í skyndihjál

Almennar upplýsingar:

Ef slys kemur upp: Hafið samband við lækni eða slysadeild - takið merkið sem er á vörunni eða þetta öryggisblað. Hafið samband við lækni ef vafi er á heilsufari viðkomandi eða ef einkennin stöðvast ekki. Gefið aldrei einstaklingi sem misst hefur meðvitund vatn eða annað álíka.

Innöndun:

Öndunarerfiðleikar eða erting í öndunarfarum: Komið viðkomandi á svæði þar sem hann/hún getur fengið ferskt loft og verið áfram með viðkomandi.

Snerting við húð:

Við ertingu: Þvoið efnið af. Við langvarandi ertingu: Leitið til læknis

Snerting við augu:

BERIST EFNIÐ Í AUGU: Skolið augu með vatni (20-30 °C) í a.m.k. 5 mínútur. Fjarlægið augnlinsur. Hringið í lækni.

Inntaka:

Gefið viðkomandi nóg að drekka og verið áfram með honum/henni. Ef viðkomandi líður illa skal hringja tafarlaust í lækni og taka þetta öryggisblað með. Látið viðkomandi ekki kasta upp nema lækningin ráðleggi það. Látið höfuðið snúa niður á við til að uppgangurinn fari ekki aftur upp í munn og háls.

Brunar:

Á ekki við.

4.2. Helstu skaðleg einkenni og áhrif, bæði bráð og tafir

Enginn kunnuglegur.

4.3. Upplýsingar um tafarlausa læknisumönnun og sérstaka meðferð sem þörf er á

Meðhöndlið eftir einkennum.

Upplýsingar fyrir lækna

Takið þetta öryggisblað með eða merkið sem er á vörunni

5. LIÐUR: RÁÐSTAFANIR VEGNA SLÖKKVIÐGERÐA

5.1. Slökkvibúnaður

Á ekki við.

5.2. Sérstakar hættur af völdum efnisins eða blöndunnar

Við eldsvoða mun koma þykkur reykur. Váhrif frálífunarefna geta haft skaðleg áhrif á heilsuna. Lokuð ílát sem eru í snertingu við eld skal kæla með vatni. Látið vatn sem notað er til að slökkva eld ekki renna til skolplagna og annarra vatnsfalla.

Ef varan hefur komist í snertingu við háan hita, s.s. eldsvoða, myndast hættuleg frálífunarefni. Um er að ræða: Kolsýringur (CO / CO₂)

5.3. Ráðgjöf fyrir slökkviliðsmenn

Engar sérstakar kröfur.

6. LIÐUR: RÁÐSTAFANIR EF EFNI FER ÓVART TIL SPILLIS EÐA ER LOSAÐ FYRIR SLYSNI

6.1. Öryggisráðstafanir fyrir fólk, hlífðarbúnaður og neyðarráðstafanir

Tryggið næga loftræstingu, sérstaklega á lokuðum svæðum.

Menguð svæði geta verið hál.

6.2. Varúðarráðstafanir vegna umhverfisins

Forðist að farga í nánd við stöðuvötn, ár, skolplagnir o.s.frv.

Haldið óviðkomandi aðilum frá lekanum

6.3. Aðferðir og efni til afmörkunar og hreinsunar

Taka af og safna saman leka með óbrennanlegu, ísogandi efni t.d. sandi, jörð, vermíkulít eða kísilgúr og setja í ílát til förgunar í samræmi við staðbundnar reglur.

Svo lengi sem það er hægt skal nota hefðbundin hreinsiefni við þvott. Forðast skal leysiefni.

6.4. Tilvísun í aðra liði

Sjá liður 13 um "Förgun" til að fá upplýsingar um meðhöndlun úrgangs.

Sjá liður 8 um "Váhrifavarnir/persónuhlífar" til að fá upplýsingar um varnaraðgerðir.

7. LIÐUR: MEÐHÖNDLUN OG GEYMSLA

7.1. Varúðarráðstafanir um örugga meðhöndlun

Reykingar, neysla matar eða drykkjar og geymsla tóbaks, matar eða drykkjar er óheimil í vinnustofum.

Sjá liður 8 um "Váhrifavarnir/persónuhlífar" til að fá upplýsingar um persónuvernd.

7.2. Örugg geymsluskilyrði, þ.m.t. vegna mögulegs ósamrýmanleika

Ílátum sem hafa verið opnuð verður að loka vel aftur og þau skal geyma upprétt til að koma í veg fyrir leka.

Ráðlagt geymsluefni:

Geymið eingöngu í upprunalegum umbúðum.

Geymsluskilyrði:

Þurr, svalur og vel loftræstur staður

Ósamrýmanleg efni:

Sterkar sýrur, sterkir basar, sterk eldmyndandi efni og sterk frálífunarefni.

7.3. Sértæk, endanleg notkun

Þessa vöru má einungis nota í þeim tilgangi sem tekinn er fram í liður 1.2.

8. LIÐUR: VÁHRIFAVARNIR/PERSÓNUHLÍFAR

8.1. Viðmiðunarmörk fyrir váhrif

hydrogen peroxide

Mengunarmörk (8 tíma) (mg/m³): 1,4

Mengunarmörk (8 tíma) (ppm): 1

Reglugerð um mengunarmörk og aðgerðir til að draga úr mengun á vinnustöðum (390/2009)

Reglugerð um breytingu á reglugerð um mengunarmörk og aðgerðir til að draga úr mengun á vinnustöðum, nr. 390/2009 (631/2021).

DNEL

1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one

Tímalengd:	Váhrifaleið:	DNEL:
Langtíma - Kerfisbundin áhrif - Almennigur	Innöndun	1.2 mg/m ³
Langtíma - Kerfisbundin áhrif - Verkamenn	Innöndun	6.81 mg/m ³
Langtíma - Kerfisbundin áhrif - Almennigur	Snerting við húð	0.345 mg/kg
Langtíma - Kerfisbundin áhrif - Verkamenn	Snerting við húð	966 µg/kg bw/day

Disodium tin hexahydroxide

Tímalengd:	Váhrifaleið:	DNEL:
Langtíma - Kerfisbundin áhrif - Almennigur	Innöndun	1.78 mg/m ³
Langtíma - Kerfisbundin áhrif - Verkamenn	Innöndun	11.9 mg/m ³
Langtíma - Kerfisbundin áhrif - Almennigur	Inntaka	1.21 mg/kg bw/day
Langtíma - Kerfisbundin áhrif - Almennigur	Snerting við húð	1.21 mg/kg bw/day
Langtíma - Kerfisbundin áhrif - Verkamenn	Snerting við húð	3.37 mg/kg bw/day

hydrogen peroxide

Tímalengd:	Váhrifaleið:	DNEL:
Langtíma - Staðbundin áhrif - Almennigur	Innöndun	0,21 mg/m ³
Langtíma - Staðbundin áhrif - Almennigur	Innöndun	210 µg/m ³
Langtíma - Staðbundin áhrif - Verkamenn	Innöndun	1.4 mg/m ³
Skammtíma - Staðbundin áhrif - Almennigur	Innöndun	1.93 mg/m ³
Skammtíma - Staðbundin áhrif - Verkamenn	Innöndun	3 mg/m ³

PNEC

1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one

Váhrifaleið:	Tímalengd notkunar:	PNEC:
Botnfall í ferskvatni		49.9 µg/kg
Botnfall í sjó		4.99 µg/kg
Ferskvatn		4.03 µg/L
Jarðvegur		3 mg/kg
Ósamfelld slepping (ferskvatn)		1.1 µg/L
Ósamfelld slepping (sjór)		110 ng/L
Sjór		403 ng/L
Skólpvinnslustöð		1.03 mg/L

Disodium tin hexahydroxide

Váhrifaleið:	Tímalengd notkunar:	PNEC:
Botnfall í ferskvatni		1.395 mg/kg
Botnfall í sjó		139.46 µg/kg
Ferskvatn		33.1 µg/L
Ósamfelld slepping (ferskvatn)		331 µg/L
Ósamfelld slepping (sjór)		33.1 µg/L
Sjór		3.31 µg/L
Skólpvinnslustöð		10 mg/L

hydrogen peroxide

Váhrifaleið:	Tímalengd notkunar:	PNEC:

Botnfall í ferskvatni		0,047 mg/kg
Botnfall í ferskvatni		47 µg/kg
Botnfall í sjó		0,047 mg/L
Botnfall í sjó		47 µg/kg
Ferskvatn		0,0126 mg/L
Ferskvatn		12.6 µg/L
Jarðvegur		0,023 mg/kg
Jarðvegur		2.3 µg/kg
Ósamfelld slepping (ferskvatn)		13.8 µg/L
Sjór		0,047 mg/L
Sjór		12.6 µg/L
Skólpvinnslustöð		4.66 mg/L
Skólpvinnslustöð		4.66 mg/L

8.2. Takmörkun váhrifa

Athuga skal reglulega samræmi við takmarkanir um snertingu við efnið.

Almennar ráðleggingar:

Reykingar, neysla matar eða drykkjar og geymsla tóbaks, matar eða drykkjar er óheimil í vinnustofum.

Upplýsingar um váhrif:

Ekki eru til neinar sviðsmyndir af váhrifum af þessu efni.

Váhrifamörk:

Notendur efnisins eru verndaðir af atvinnulöggjöf um hámarksstyrk efnisins. Sjá takmörk með tilliti til hollustumála starfsmanna hér að ofan.

Viðeigandi tæknilegar aðgerðir:

Myndun gufu verður vera haldið í lágmarki og fyrir neðan núverandi gildi takmarkanna (sjá að ofan). Mælt er með uppsetningu á staðbundnu útblásturskerfi ef vanalegt loftflæði í vinnuherberginu er ekki nægt. Tryggja skal að neyðarskolun augna og neyðarsturtur séu vandlega merktar.

Viðhafið hefðbundnar varúðarráðstafanir við notkun vörunnar. Forðist innöndun gufa.

Aðgerðir í hollustumálum:

Þegar hlé er tekið eftir að efnið hefur verið notað og þegar notkun þess er lokið skal þvo alla líkamshluta sem komist hafa í snertingu við efnið. Gætið sérstaklega að höndum, framhandleggjum og andliti.

Aðgerðir til að forðast að efnið komist í umhverfið:

Engar sérstakar kröfur.

Einstaklingsvarnir, s.s. Hlífðarbúnaður

Almennt:

Notið einungis hlífðarbúnað með CE merkingu.

Öndunarbúnaður:

Gerð	Flokkur	Litur	Evrópustaðal	
Ekkert sem taka þarf sérstaklega fram við hefðbundna tilætlaða notkun.				

Húðhlífur:

Ráðlagt	Gerð/Flokkur	Evrópustaðal	
Ekkert sem taka þarf sérstaklega fram við hefðbundna tilætlaða notkun	-	-	

Handhlífur:

Vinnuaðstaða	Ráðlagt	Þykkt (mm)	Gegnumbrots-tími (mín.)	Evrópustaðal	
	Ekkert sem taka þarf sérstaklega fram við hefðbundna tilætlaða notkun	-	-	-	
Við langvinn váhrif eða mikinn styrk	Bómull / Náttúrulegt gúmmí (latex)	-	> 120	EN374-2, EN16523-1, EN388	

Augnhlífir:

Vinnuaðstaða	Gerð	Evrópustaðal	
	Ekkert sem taka þarf sérstaklega fram við hefðbundna tilætlaða notkun.	-	
Við langvinn váhrif eða mikinn styrk	Notið öryggisglæraugu með hliðarhlíf.	EN166	

9. LIÐUR: EÐLIS- OG EFNAFRÆÐILEGIR EIGINLEIKAR

9.1. Upplýsingar um eðlis- og efnafræðilega grunneiginleika

Form (fasi):

Vökvi

Litur:

Litlaust

Lykt / Lykt þröskuld (ppm):

Af ilmvatni

pH:

ca. 4.8

Eðlismassi (g/cm³):

1,02 (20 °C)

Kinematic seigja:

Engin gögn tiltæk.

Agnæinkenni:

Á ekki við um vökva.

Fasabreytingar

Bræðslumark/Frystmark (°C):

Engin gögn tiltæk.

Mýktarmark/-svið (°C):

Á ekki við um vökva.

Suðumark (°C):

Engin gögn tiltæk.

Gufuþrýstingur:

Engin gögn tiltæk.

Hlutfallsleg gufupéttleiki:

Engin gögn tiltæk.

Niðurbrotshitastig (°C):

Engin gögn tiltæk.

Gögn um eld- og sprengihættu

Kveikjumark (°C):
Engin gögn tiltæk.

Kveiking (°C):
Engin gögn tiltæk.

Sjálfsíkveikjuhitastig (°C):
Engin gögn tiltæk.

Sprengimörk (% v/v):
Engin gögn tiltæk.

Uppleysanleiki

Uppleysanleiki í vatni:
Fullkomlega leysanlegt

n-oktanól/vatnsstuðull (LogKow):
Engin gögn tiltæk.

Uppleysanleiki í fitu (g/L):
Engin gögn tiltæk.

9.2. Aðrar upplýsingar

Aðrar eðlisfræðilegar og efnafræðilegar breytur:
Engin gögn tiltæk.

Oxunareiginleikar:
Engin gögn tiltæk.

10. LIÐUR: STÖÐUGLEIKI OG HVARFGIRNI

10.1. Hvarfgirni

Engin gögn tiltæk.

10.2. Efnafræðilegur stöðugleiki

Varan er stöðug við þær aðstæður sem lýst í liður 7 um "Meðhöndlun og geymsla".

10.3. Möguleiki á hættulegu efnahvarfi

Enginn kunnuglegur.

10.4. Skilyrði sem ber að varast

Enginn kunnuglegur.

10.5. Ósamrýmanleg efni

Sterkar sýrur, sterkir basar, sterk eldmyndandi efni og sterk frálífunarefni.

10.6. Hættuleg niðurbrotsefni

Hættuleg niðurbrotsefni ættu ekki að myndast við eðlileg geymslu- og notkunarskilyrði.

11. LIÐUR: EITUREFNAFRÆÐILEGAR UPPLÝSINGAR

11.1. Upplýsingar um eiturefnafræðileg áhrif

Bráð eiturrhif

Vara/innihaldsefnis	hydrogen peroxide
Tegund:	Rotta
Váhrifaleið:	Inntaka
Próf:	LD50
Niðurstaða:	1.193 - 1.270 mg/L

Vara/innihaldsefnis	hydrogen peroxide
Tegund:	Kanína
Váhrifaleið:	Snerting við húð
Próf:	LD50
Niðurstaða:	>2.000 (35% oplossing) mg/kg

Vara/innihaldsefnis	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Tegund:	Rotta
Váhrifaleið:	Inntaka
Próf:	LD50
Niðurstaða:	500 mg/kg

Miðað við fánleg gögn eru flokkunarskilyrði ekki uppfyllt.

Húðæting/húðerting

Vara/innihaldsefnis	hydrogen peroxide
Niðurstaða:	Vart varð við aukaverkanir (Ertandi)

Vara/innihaldsefnis	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Prófunaraðferð:	OECD 404
Niðurstaða:	Vart varð við aukaverkanir (Ertandi)

Miðað við fánleg gögn eru flokkunarskilyrði ekki uppfyllt.

Alvarlegur augnskaði/augnerting

Vara/innihaldsefnis	hydrogen peroxide
Niðurstaða:	Vart varð við aukaverkanir (Veldur alvarlegum augnskaða)

Vara/innihaldsefnis	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Prófunaraðferð:	OECD 405
Niðurstaða:	Vart varð við aukaverkanir (Veldur alvarlegum augnskaða)

Miðað við fánleg gögn eru flokkunarskilyrði ekki uppfyllt.

Næming öndunarfæra

Vara/innihaldsefnis	hydrogen peroxide
Niðurstaða:	Ekki vart við neinar aukaverkanir (ekki næmandi)

Miðað við fánleg gögn eru flokkunarskilyrði ekki uppfyllt.

Húðnæming

Vara/innihaldsefnis	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Prófunaraðferð:	OECD 429
Tegund:	Mús
Niðurstaða:	Vart varð við aukaverkanir (næmandi)

Vara/innihaldsefnis	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Prófunaraðferð:	OECD 406
Tegund:	Hamstur
Niðurstaða:	Vart varð við aukaverkanir (næmandi)

Miðað við fánleg gögn eru flokkunarskilyrði ekki uppfyllt.

Stökkbreytandi áhrif á kímfrumur

Miðað við fánleg gögn eru flokkunarskilyrði ekki uppfyllt.

Krabbameinsvaldandi áhrif

Vara/innihaldsefnis	hydrogen peroxide
Niðurstaða:	Ekki vart við neinar aukaverkanir

Miðað við fánleg gögn eru flokkunarskilyrði ekki uppfyllt.

Eiturhrif á æxlun

Vara/innihaldsefnis	hydrogen peroxide
Niðurstaða:	Ekki vart við neinar aukaverkanir

Miðað við fánleg gögn eru flokkunarskilyrði ekki uppfyllt.

Sértæk eiturhrif á marklíffæri – váhrif í eitt skipti

Miðað við fánleg gögn eru flokkunarskilyrði ekki uppfyllt.

Sértæk eiturhrif á marklíffæri – endurtekin váhrif

Miðað við fánleg gögn eru flokkunarskilyrði ekki uppfyllt.

Ásvelgingarhætta

Vara/innihaldsefnis hydrogen peroxide
Miðað við fánleg gögn eru flokkunarskilyrði ekki uppfyllt.

11.2. Upplýsingar um aðrar hættur

Langvarandi áhrif

Enginn kunnuglegur.

Innkirtlatruflandi eiginleikar

Þessi blanda/vara inniheldur engin efni sem talin eru hafa hormónatruflandi eiginleika í tengslum við heilsu.

Aðrar upplýsingar

hydrogen peroxide : IARC skilgreinir efnið í flokk 3.

12. LIÐUR: VISTFRÆÐILEGAR UPPLÝSINGAR

12.1. Visteiturhrif

Vara/innihaldsefnis hydrogen peroxide
Tegund: Fiskur, Pimephales promelas
Tímalengd: 96 klst.
Próf: LC50
Niðurstaða: 16,4 mg/L

Vara/innihaldsefnis hydrogen peroxide
Tegund: Fiskur, Leuciscus idus
Tímalengd: 72 klst.
Próf: LC50
Niðurstaða: 35 mg/L

Vara/innihaldsefnis hydrogen peroxide
Tegund: Fiskur, Oncorhynchus mykiss
Tímalengd: 7 dagar
Próf: LC50
Niðurstaða: 38,5 mg/L

Vara/innihaldsefnis hydrogen peroxide
Tegund: Daphnia pulex
Tímalengd: 48 klst.
Próf: EC50
Niðurstaða: 2,4 mg/L

Vara/innihaldsefnis hydrogen peroxide
Tegund: Daphnia magna
Tímalengd: 24 klst.
Próf: EC50
Niðurstaða: 7,7 mg/L

Vara/innihaldsefnis hydrogen peroxide
Tegund: Skeletonema costatum
Tímalengd: 72 klst.
Próf: EC50
Niðurstaða: 1,38 mg/L

Vara/innihaldsefnis hydrogen peroxide
Prófunaraðferð: OECD 209
Tegund: Bakteríur
Umhverfi: Virk seyruvinnslustöð
Tímalengd: 30 minutes
Próf: EC50
Niðurstaða: 466 mg/L

Vara/innihaldsefnis hydrogen peroxide

Í samræmi við reglugerð (EB) nr. 2020/878

Prófunaraðferð:	OECD 209
Tegund:	Bakteríur
Umhverfi:	Virk seyruvinnslustöð
Tímalengd:	3 klst.
Próf:	EC50
Niðurstaða:	> 1.000 mg/L

Vara/innihaldsefnis	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Tegund:	Fiskur
Tímalengd:	96 klst.
Próf:	LC50
Niðurstaða:	>0.1-1 mg/L

Vara/innihaldsefnis	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Tegund:	Krabbadýr
Tímalengd:	48 klst.
Próf:	EC50
Niðurstaða:	>0.1-1 mg/L

Vara/innihaldsefnis	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Tegund:	Þörungur
Tímalengd:	72 klst.
Próf:	EC50
Niðurstaða:	>0.1-1 mg/L

Miðað við fánleg gögn eru flokkunarskilyrði ekki uppfyllt.

12.2. Þrávirkni og niðurbrotanleiki

Vara/innihaldsefnis	Alcohol, C13, bran., EO, sulfate Na~
Niðurstaða:	> 60 %
Niðurstaða:	Auðlífbrjótanlegt
Próf:	OECD 301 B

Vara/innihaldsefnis	hydrogen peroxide
Niðurstaða:	Auðlífbrjótanlegt

Vara/innihaldsefnis	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Niðurstaða:	90%
Niðurstaða:	Auðlífbrjótanlegt
Próf:	OECD 302

Yfirborðsvirku efnin í þessari vörur standast skilyrði um lífrænt niðurbrot eins og þau eru sett fram í reglugerð EB 648/2004. Niðurstöður sem styðja þessa fullyrðingu eru aðgengilegar fyrir hlutaðeigandi yfirvöld aðildarlandanna óski þau þess, eða ef framleiðandi hreinsiefni óskar þess.

12.3. Uppsöfnun í lífverum

Vara/innihaldsefnis	hydrogen peroxide
LogKow:	-1,57
Niðurstaða:	-

Vara/innihaldsefnis	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
BCF:	2
LogKow:	1.45
Niðurstaða:	Möguleikar á uppsöfnun í lífverum eru litlir

12.4. Hreyfanleiki í jarðvegi

Engin gögn tiltæk.

12.5. Niðurstöður úr mati á PBT- og vPvB-eiginleikum.

Þessi blanda/vara inniheldur ekki nein efni sem ætlað er að standast kröfur sem flokkar þau sem PBT (þrávirk, lífræn eiturefni sem safnast fyrir í lífverum) og/eða vPvB.

12.6. Innkirtlatruflandi eiginleikar

Þessi blanda/vara inniheldur engin efni sem talin eru hafa innkirtlatruflandi eiginleika í tengslum við umhverfið.

12.7. Önnur skaðleg áhrif

Enginn kunnuglegur.

13. LIÐUR: FÖRGUN

13.1. Aðferðir við meðhöndlun úrgangs

Um vöruna gilda reglugerðir varðandi hættulegan úrgang. (*)

HP 4 - ertandi (erting í húð og augnskemmdir)

Reglugerð framkvæmdastjórnarinnar (ESB) nr. 1357/2014 frá 18. desember 2014 um úrgang.

EWC-kóði:

20 01 30

önnur en tilgreind eru í 20 01 29 hreinsiefni

Samsettar umbúðir

Umbúðir sem innihalda leifar af efninu skal farga á sama hátt og vörunni á að farga.

14. LIÐUR: UPPLÝSINGAR UM FLUTNINGA

	14.1 UN	14.2 Nafn/lýsing	14.3 Flokkur	14.4 PG*	14.5. Env**	Aðrar upplýsingar:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Pökkunarflokkur

** Umhverfishættur

Viðbótarupplýsingar

Ekki skráð sem hættulegt efni í reglugerðum ADR, IATA og IMDG (alþjóðlegur kóði um siglingu með hættulegan varning).

14.6. Sérstakar varúðarráðstafanir fyrir notanda

Á ekki við.

14.7. Flutningar búlkaframs skv. II. viðauka við MARPOL-samninginn og IBC-kóðanum.

Engin gögn tiltæk.

15. LIÐUR: UPPLÝSINGAR VARÐANDI REGLUVERK

15.1. Sértæk ákvæði/löggjöf fyrir efnið eða blönduna vegna öryggis, heilbrigðis og umhverfis

Takmarkanir á notkun:

Eingöngu ætlað fagmönnum.

Beiðnir um sérstaka þjálfun:

Engar sérstakar kröfur.

SEVESO:

Á ekki við.

hydrogen peroxide (Viðauki I.)

Innihaldsmerking í samræmi við reglugerð (EB) nr. 648/2004:

>5% - <15%

· Ójónuð, yfirborðsvirk efni

< 5%

· Mínushlaðin, yfirborðsvirk efni

· Bleikiefni, að stofni til úr súrefni

· Ilmefni

· Rotvarnarefni (BENZISOTHIAZOLINONE)

Viðbótarupplýsingar:

Yfirborðsvirku efnið í þessari vörur standast skilyrði um lífrænt niðurbrot eins og þau eru sett fram í reglugerð EB 648/2004. Niðurstöður sem styðja þessa fullyrðingu eru aðgengilegar fyrir hlutaðeigandi yfirvöld aðildarlandanna óski þau þess, eða ef framleiðandi hreinsiefni óskar þess.

Heimildir:

Reglugerð Evrópuþingsins og Ráðsins (EB) nr. 648/2004 frá 31. mars 2004 um votta- og hreinsiefni.
Reglugerð framkvæmdastjórnarinnar (ESB) nr. 1357/2014 frá 18. desember 2014 um úrgang.
Council Regulation (EC) No 2019/1148 on explosives precursors.
Reglugerð (EB) nr. 1272/2008 (CLP) um flokkun, merkingu og umbúðir efna og blanda (með áorðnum breytingum).
Reglugerð framkvæmdastjórnarinnar (ESB) nr. 1907/2006 (REACH).

15.2. Efnaöryggismat

Nei

16. LIÐUR: AÐRAR UPPLÝSINGAR

Allar hættu-/áhættusetningar er að finna í liður 3

H271, Getur valdið bruna eða sprengingu, mjög eldmyndandi (oxandi).
H302, Hættulegt við inntöku.
H314, Veldur alvarlegum bruna á húð og augnskaða.
H315, Veldur húðertingu.
H318, Veldur alvarlegum augnskaða.
H319, Veldur alvarlegri augnertingu.
H332, Hættulegt við innöndun.
H335, Getur valdið ertingu í öndunarferum.
H336, Getur valdið sljóleika eða svima.
H412, Skaðlegt lífi í vatni, hefur langvinn áhrif.

Skammstafanir og upphafsstafir

ADR = Evrópusamningnum um millilandaflutninga á hættulegum farmi á vegum
ATE = Matsgildi bráðra eiturrhifa
CAS = Efnafræðileg ágreipsþjónustan
CE = Conformité Européenne
CLP = Reglugerð um flokkun, merkingu og pökkun efna og blanda [Reglugerð (EB) nr. 1272/2008]
CLP-H setning = Hættusetning sem á við um flokkun, merkingu og umbúðir efna og efnablanda (CLPreglugerð)
DNEL = Afleidd áhrifaleysismörk
EC50 = Styrkur í tengslum við 50% svörun
EuPCS = Evrópsk vöruflokkunarkerfi
EWC = Evrópsk skrá yfir úrgang
GWP = Hnattræn hlýnunarmöguleiki
IATA = Alþjóðasamtök flugflutninga
IMGA = Alþjóðlegur hættulegur varningur til sjós
IMO = Alþjóðasiglingamálastofnunin
LC50 = Miðgildisbanastyrkur
LD50 = 50% drápsskammtur
OECD = Efnahags- og framfarastofnun Evrópu
PBT = Efni sem eru þrávirk, safnast upp í lífverum og eru eitruð
PNEC = styrkur þar sem engin áhrif eru fyrirjáanleg
RRN = REACH-skráningarnúmer
RID = Reglugerðin varðandi alþjóðlegan flutning hættulegs vöru með járnbrautum
RRN = REACH skráningarnúmer
SCL = Um gilda sérstök mörk um styrk.
UVCB = Óþekkt eða breytileg samsetning, flókin hvarfefni eða líffræðilegra efna
vPvB = Efni sem eru mjög þrávirk og safnast upp í lífverum í miklum mæli

Viðbótarupplýsingar

Á ekki við.

Öryggisblaðið er vottað af

Quality & Compliance

Annað

Breytingar (í samræmi við síðustu meginbreytingu (fyrsti tölustafurinn í SDS-útgáfunni)) eru merktar með þríhyrningi. Upplýsingarnar sem er að finna á þessu öryggisblaði eiga einungis við þessa tilteknu vöru (tekið fram í liður 1) og á ekki endilega við notkun annarra efna/vara.

Ráðlagt er að láta núverandi notanda vörunnar fá þetta öryggisblað. Upplýsingarnar sem er að finna á þessu öryggisblaði er ekki hægt að nota sem vörulýsingu.

Land-tungumál: IS-is

SCHEDA DI DATI DI SICUREZZA

i.1 all-purpose cleaner FlexDose

SEZIONE 1: IDENTIFICAZIONE DELLA SOSTANZA/MISCELA E DELLA SOCIETÀ/IMPRESA

1.1. Identificatore del prodotto

▼ *Nome commerciale:*

i.1 all-purpose cleaner FlexDose

1.2. Usi identificati pertinenti della sostanza o della miscela e usi sconsigliati

Usi pertinenti identificati della sostanza o miscela:

Detergenti e detergenti (anche a base di solventi)
Uso ristretto agli utilizzatori professionali.

Usi sconsigliati :

Non noto.

1.3. Informazioni sul fornitore della scheda di dati di sicurezza

Nome e indirizzo azienda:

Hygeniq B.V.

Postbus 618
7500 AP Enschede
The Netherlands
+31 53 4282860
+31 53 5393865
www.hygeniq.com

Indirizzo email:

info@hygeniq.com

Revisione:

27/06/2025

Versione SDS:

2.0

Data dell'edizione precedente:

02/06/2025 (1.0)

1.4. Numero telefonico di emergenza

Centri AntiVeleni (CAV) attivi 24 ore al giorno:

Bergamo: Az. Osp. Papa Giovanni XXII. Piazza OMS, 1, 24127. Telefono: 800.88.33.00
Firenze: Az. Osp. "Careggi" U.O. Tossicologia Medica. Largo Brambilla, 3, 50134. Telefono: 055.794.7819
Foggia: Az. Osp. Univ. Foggia. V.le Luigi Pinto, 1, 71122. Telefono: 800.183.459
Milano: Osp. Niguarda Ca' Granda. Piazza Ospedale Maggiore, 3, 20162. Telefono: 02.66.1010.29
Napoli: Az. Osp. "A. Cardarelli". Via A. Cardarelli, 9, 80131. Telefono: 081.545.3333
Pavia: Centro Nazionale di Informazione Tossicologica. Via Salvatore Maugeri, 10, 27100. Telefono: 0382.24.444
Roma: "Osp. Pediatrico Bambino Gesù" Dip. Emergenza e Accettazione DEA. Piazza Sant'Onofrio, 4, 00165. Telefono: 06.6859.3726
Roma: Policlinico "A. Gemelli". Largo Agostino Gemelli, 8, 168. Telefono: 06-3054343
Roma: Policlinico "Umberto I". V.le del Policlinico, 155, 161. Telefono: 06.4997.8000
Verona: Az. Osp. Integrata Verona. Piazzale Aristide Stefani, 1, 37126. Telefono: 800.011.858

Vedere la sezione 4 sulle misure di primo soccorso.

SEZIONE 2: IDENTIFICAZIONE DEI PERICOLI

2.1. Classificazione della sostanza o della miscela

Non classificato secondo il Regolamento CE n. 1272/2008 (CLP).

2.2. Elementi dell'etichetta

Pittogrammi di pericolo:

Non applicabile.

Avvertenza:

Non applicabile.

Indicazioni di pericolo:

Non applicabile.

Consigli di prudenza:

Generale:

-

Prevenzione:

-

Reazione:

-

Conservazione:

-

Smaltimento:

-

Contenuto:

Non contiene sostanze Soggette all'obbligo di notifica

Altre etichette:

EUH210, Scheda dati di sicurezza disponibile su richiesta.

Etichettatura dei contenuti conforme al Regolamento sui detersivi 648/2004 (applicabile agli imballaggi dei detersivi venduti al pubblico):

>5% - <15%

· Tensioattivi Non ionici

< 5%

· Tensioattivi anionici

· Sbiancanti a base di ossigeno

· Profumi

· Conservanti (BENZISOTHIAZOLINONE)

2.3. Altri pericoli

Altro:

Questa miscela/prodotto non contiene sostanze che soddisfano i criteri di classificazione PBT e/o vPvB.

Questo prodotto non contiene sostanze considerate interferenti endocrini conformemente ai criteri stabiliti nel regolamento delegato (UE) 2017/2100 della Commissione o nel regolamento (UE) 2023/707 della Commissione.

SEZIONE 3: COMPOSIZIONE/INFORMAZIONI SUGLI INGREDIENTI

3.1. Sostanze

Non applicabile. Questo prodotto è una miscela.

3.2. Miscele

Prodotto/ingrediente	Identificatori	% w/w	Classificazione	Not.
Alcohol, C13, bran., EO,	n. CAS: 150413-26-6	1-3%	Skin Irrit. 2, H315	

sulfate Na~	n. CE: 688-316-0 REACH: n. indice:		Eye Irrit. 2, H319 Aquatic Chronic 3, H412	
perossido di idrogeno soluzione 35%; acqua ossigenata 35%	n. CAS: 7722-84-1 n. CE: 231-765-0 REACH: 01-2119485845-22-XXXX n. indice: 008-003-00-9	1-3%	Ox. Liq. 1, H271 Acute Tox. 4, H302 Skin Corr. 1A, H314 (SCL: 70,00 %) Skin Corr. 1B, H314 (SCL: 50,00 %) Skin Irrit. 2, H315 (SCL: 35,00 %) Eye Dam. 1, H318 (SCL: 8,00 %) Eye Irrit. 2, H319 (SCL: 5,00 %) Acute Tox. 4, H332 STOT SE 3, H336 (SCL: 35,00 %)	
citroenzuurmonohydraat	n. CAS: 5949-29-1 n. CE: 611-842-9 REACH: 01-2119457026-42-XXXX n. indice:	<0.1%	Eye Irrit. 2, H319	
Disodium tin hexahydroxide	n. CAS: 12027-70-2 n. CE: 234-724-5 REACH: 01-2120770924-45-XXXX n. indice:	<0.05%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	[1]

Il testo completo delle frasi H è riportato alla sezione 16. I valori limite per l'igiene del lavoro sono riportati alla sezione 8, se disponibili.

Altre informazioni

[1] Limite di esposizione professionale valido a livello europeo.

SEZIONE 4: MISURE DI PRIMO SOCCORSO

4.1. Descrizione delle misure di primo soccorso

Generalità:

In caso di incidenti: consultare il medico oppure un ospedale. Portare con sé l'etichetta oppure questa scheda di sicurezza. Il medico potrà rivolgersi alla clinica di medicina ambientale e del lavoro.

In caso di sintomi importanti o in caso di dubbio sulle condizioni di salute, consultare un medico. Non somministrare mai a una persona incosciente acqua o liquidi.

Inalazione:

Nel caso di difficoltà respiratorie o irritazione dell'apparato respiratorio: Portare l'infortunato all'aria fresca e tenerlo sotto controllo.

Contatto con la pelle:

In caso di irritazione: lavare la parte irritata per togliere il prodotto. Se l'irritazione persiste consultare un medico.

▼ Contatto con gli occhi:

In caso di contatto con gli occhi: Risciacquare abbondantemente con acqua (20 - 30 °C) per almeno 5 minuti. Rimuovere eventuali lenti a contatto. Consultare un medico.

Ingestione:

Se la persona è cosciente, risciacquare la bocca con acqua e rimanere con lei. In caso di malessere contattare immediatamente un medico e consegnargli la presente scheda di sicurezza oppure l'etichetta del prodotto. Non provocare il vomito, a meno che non venga raccomandato dal medico. Abbassare la testa per evitare la risalita di particelle di vomito nella bocca e nella gola.

Combustione:

Non applicabile.

4.2. Principali sintomi ed effetti, sia acuti che ritardati

Non noto.

4.3. Indicazione dell'eventuale necessità di consultare immediatamente un medico e di trattamenti speciali

Trattare sintomaticamente.

Nota per il medico

Portare con sé la presente scheda di sicurezza oppure l'etichetta del materiale.

SEZIONE 5: MISURE DI LOTTA ANTINCENDIO

5.1. Mezzi di estinzione

Non applicabile.

5.2. Pericoli speciali derivanti dalla sostanza o dalla miscela

In caso d'incendio si sviluppa un fumo denso. L'esposizione ai prodotti di degradazione può rappresentare un pericolo per la salute. I contenitori chiusi esposti al fuoco possono essere spenti con acqua. Non versare l'acqua proveniente dagli idranti negli scarichi e nelle fognie.

Se il prodotto viene esposto a temperature elevate, ad es. in caso d'incendio, può dare origine a prodotti di degradazione pericolosi. Essi sono:

Ossidi di carbonio (CO / CO₂)

5.3. Raccomandazioni per gli addetti all'estinzione degli incendi

Nessun requisito particolare.

SEZIONE 6: MISURE IN CASO DI RILASCIO ACCIDENTALE

6.1. Precauzioni personali, dispositivi di protezione e procedure in caso di emergenza

Le aree contaminate possono essere scivolose.

6.2. Precauzioni ambientali

Non scaricare il prodotto in laghi, fiumi, scarichi ecc.

Tenere le persone non autorizzate lontane dalla fuoriuscita

6.3. Metodi e materiali per il contenimento e per la bonifica

Contenere e raccogliere i versamenti con materiale non combustibile, assorbente, ad es. sabbia, terra diatomacea e riporre nel contenitore per lo smaltimento ai sensi dei regolamenti locali.

La pulizia viene eseguita per quanto possibile con detergenti. Evitare l'uso di solventi.

6.4. Riferimento ad altre sezioni

Vedere la sezione 13 "Considerazioni sullo smaltimento" sulla gestione dei rifiuti.

Vedere la sezione 8 "Controlli dell'esposizione/protezione individuale" per l'attrezzatura di protezione.

SEZIONE 7: MANIPOLAZIONE E IMMAGAZZINAMENTO

7.1. ▼ Precauzioni per la manipolazione sicura

Non fumare, mangiare né bere nei locali.

Vedere la sezione 8 "Controllo dell'esposizione/protezione individuale" per l'attrezzatura di protezione.

7.2. Condizioni per lo stoccaggio sicuro, comprese eventuali incompatibilità

I contenitori aperti devono essere accuratamente risigillati e mantenuti dritti per evitare fuoriuscite accidentali del prodotto.

Compatibilità degli imballaggi:

Conservare soltanto nell'imballaggio originale.

Condizioni di conservazione:

Asciutto, fresco e ben ventilato

Materiali incompatibili:

Acidi forti, basi forti, ossidanti forti e agenti riducenti forti.

7.3. Usi finali particolari

Questo prodotto deve essere utilizzato solo per gli scopi descritti nella sezione 1.2.

SEZIONE 8: CONTROLLI DELL'ESPOSIZIONE/DELLA PROTEZIONE INDIVIDUALE

8.1. Parametri di controllo

Il prodotto non contiene alcuna sostanza elencata nella lista italiana di sostanze con un limite di esposizione sul posto di lavoro.

DNEL

1,2-benzisotiazol-3(2H)-one; 1,2-benzisotiazolin-3-one

Durata:	Via di esposizione:	DNEL:
Lungo termine - effetti sistemici - lavoratori	Cutanea	966 µg/kg/giorno
Lungo termine - effetti sistemici - popolazione generale	Cutanea	0.345 mg/kg
Lungo termine - effetti sistemici - lavoratori	Inalazione	6.81 mg/m ³
Lungo termine - effetti sistemici - popolazione generale	Inalazione	1.2 mg/m ³

Disodium tin hexahydroxide

Durata:	Via di esposizione:	DNEL:
Lungo termine - effetti sistemici - lavoratori	Cutanea	3.37 mg/kg/giorno
Lungo termine - effetti sistemici - popolazione generale	Cutanea	1.21 mg/kg/giorno
Lungo termine - effetti sistemici - lavoratori	Inalazione	11.9 mg/m ³
Lungo termine - effetti sistemici - popolazione generale	Inalazione	1.78 mg/m ³
Lungo termine - effetti sistemici - popolazione generale	Orale	1.21 mg/kg/giorno

perossido di idrogeno soluzione 35%; acqua ossigenata 35%

Durata:	Via di esposizione:	DNEL:
Breve termine - effetti locali - lavoratori	Inalazione	3 mg/m ³
Breve termine - effetti locali - popolazione generale	Inalazione	1.93 mg/m ³
Lungo termine - effetti locali - lavoratori	Inalazione	1.4 mg/m ³
Lungo termine - effetti locali - popolazione generale	Inalazione	0.21 mg/m ³
Lungo termine - effetti locali - popolazione generale	Inalazione	210 µg/m ³

PNEC

1,2-benzisotiazol-3(2H)-one; 1,2-benzisotiazolin-3-one

Via di esposizione:	Durata dell'esposizione:	PNEC:
Acqua dolce		4.03 µg/L
Acqua marina		403 ng/L
Impianto di trattamento delle acque reflue		1.03 mg/L
Rilascio intermittente (acqua dolce)		1.1 µg/L
Rilascio intermittente (acqua marina)		110 ng/L
Sedimenti di acqua dolce		49.9 µg/kg
Sedimenti di acqua marina		4.99 µg/kg
Terreno		3 mg/kg

Disodium tin hexahydroxide

Via di esposizione:	Durata dell'esposizione:	PNEC:
Acqua dolce		33.1 µg/L
Acqua marina		3.31 µg/L

Impianto di trattamento delle acque reflue		10 mg/L
Rilascio intermittente (acqua dolce)		331 µg/L
Rilascio intermittente (acqua marina)		33.1 µg/L
Sedimenti di acqua dolce		1.395 mg/kg
Sedimenti di acqua marina		139.46 µg/kg

perossido di idrogeno soluzione 35%; acqua ossigenata 35%

Via di esposizione:	Durata dell'esposizione:	PNEC:
Acqua dolce		0,0126 mg/L
Acqua dolce		12.6 µg/L
Acqua marina		0,047 mg/L
Acqua marina		12.6 µg/L
Impianto di trattamento delle acque reflue		4.66 mg/L
Impianto di trattamento delle acque reflue		4.66 mg/L
Rilascio intermittente (acqua dolce)		13.8 µg/L
Sedimenti di acqua dolce		0,047 mg/kg
Sedimenti di acqua dolce		47 µg/kg
Sedimenti di acqua marina		0,047 mg/L
Sedimenti di acqua marina		47 µg/kg
Terreno		0,023 mg/kg
Terreno		2.3 µg/kg

8.2. Controlli dell'esposizione

Applicare un controllo generale per evitare un'esposizione non necessaria.

Precauzioni generali:

Non fumare, mangiare né bere nei locali.

Scenari di esposizione:

Non ci sono scenari di esposizione implementati per questo prodotto.

Limiti di esposizione:

Non sono riportati limiti di esposizione per le sostanze contenute nel prodotto.

Misure tecniche:

Applicare precauzioni standard durante l'uso del prodotto. Evitare l'inalazione di vapori.

Misure igieniche:

Tra una pausa di utilizzo e l'altra del prodotto e al termine del lavoro, lavare accuratamente le parti del corpo che sono venute in contatto con la presente sostanza. Prestare particolare attenzione alle mani, agli avambracci e al viso.

Misure per la limitazione dell'esposizione ambientale:

Nessun requisito particolare.

Misure di protezione individuale, quali dispositivi di protezione individuale

Generalità:

Usare solo equipaggiamento protettivo con il marchio CE.

Vie aeree:

Tipo	Classe	Colore	Norme	
Nessuna condizione particolare per il normale uso previsto.				

Cute e corpo:

Raccomandato	Tipo/Categoria	Norme	
Nessuna condizione particolare per il normale uso previsto	-	-	

Mani:

Situazione di lavoro	Materiale	Spessore minimo (mm)	Tempo di permeazione (min.)	Norme	
	Nessuna condizione particolare per il normale uso previsto	-	-	-	
Nel caso di esposizione prolungata o concentrazioni elevate	Cotone / Gomma (Lattice)	-	> 120	EN374-2, EN16523-1, EN388	

Occhi:

Situazione di lavoro	Tipo	Norme	
	Nessuna condizione particolare per il normale uso previsto.	-	
Nel caso di esposizione prolungata o concentrazioni elevate	Indossare occhiali di sicurezza con protezioni laterali.	EN166	

SEZIONE 9: PROPRIETÀ FISICHE E CHIMICHE

9.1. Informazioni sulle proprietà fisiche e chimiche fondamentali

Stato fisico:

Liquido

Colore:

Incolore

Odore / Soglia olfattiva (ppm):

Di profumo

pH:

ca. 4.8

Densità (g/cm³):

1,02 (20 °C)

Viscosità cinematica::

Dati non disponibili.

Caratteristiche delle particelle:

Non si applica ai liquidi.

Modifica di stato e vapore

punto di fusione/punto di congelamento (°C):

Dati non disponibili.

Punto/intervallo di rammollimento (°C):

Non si applica ai liquidi.

Punto di ebollizione (°C):

Dati non disponibili.

Pressione del vapore:

Dati non disponibili.

Densità di vapore relativa:

Dati non disponibili.

Temperatura di decomposizione (°C):

Dati non disponibili.

Dati relativi al pericolo di incendio e di esplosione

Punto di fiamma (°C):

Dati non disponibili.

Infiammabilità (°C):

Dati non disponibili.

Temperatura di autoaccensione (°C):

Dati non disponibili.

Limite di esplosione (% v/v):

Dati non disponibili.

Solubilità

Solubilità in acqua:

Completamente solubile

Coefficiente n-ottanolo/acqua (LogKow):

Dati non disponibili.

Solubilità in grassi (g/L):

Dati non disponibili.

9.2. Altre informazioni

Altri parametri fisici e chimici:

Dati non disponibili.

Proprietà ossidanti:

Dati non disponibili.

SEZIONE 10: STABILITÀ E REATTIVITÀ

10.1. Reattività

Dati non disponibili.

10.2. Stabilità chimica

Il prodotto è stabile nelle condizioni riportate nella sezione 7 "Manipolazione e immagazzinamento".

10.3. Possibilità di reazioni pericolose

Non noto.

10.4. Condizioni da evitare

Non noto.

10.5. Materiali incompatibili

Acidi forti, basi forti, ossidanti forti e agenti riducenti forti.

10.6. Prodotti di decomposizione pericolosi

In normali condizioni di stoccaggio e utilizzo, non devono essere prodotti prodotti di decomposizione pericolosi.

SEZIONE 11: INFORMAZIONI TOSSICOLOGICHE

11.1. Informazioni sulle classi di pericolo definite nel regolamento (CE) n. 1272/2008

Tossicità acuta

Prodotto/ingrediente	perossido di idrogeno soluzione 35%; acqua ossigenata 35%
Specie:	Ratto
Via di esposizione:	Orale
Test:	DL50

Risultato: 1.193 - 1.270 mg/L

Prodotto/ingrediente perossido di idrogeno soluzione 35%; acqua ossigenata 35%
Specie: Coniglio
Via di esposizione: Cutanea
Test: DL50
Risultato: >2.000 (35% oplossing) mg/kg

Prodotto/ingrediente 1,2-benzisotiazol-3(2H)-one; 1,2-benzisotiazolin-3-one
Specie: Ratto
Via di esposizione: Orale
Test: DL50
Risultato: 500 mg/kg

Sulla base dei dati disponibili i criteri di classificazione non sono soddisfatti.

Corrosione/irritazione cutanea

Prodotto/ingrediente perossido di idrogeno soluzione 35%; acqua ossigenata 35%
Risultato: Effetti nocivi osservati (Irritante)

Prodotto/ingrediente 1,2-benzisotiazol-3(2H)-one; 1,2-benzisotiazolin-3-one
Metodo di prova: OCSE 404
Risultato: Effetti nocivi osservati (Irritante)

Sulla base dei dati disponibili i criteri di classificazione non sono soddisfatti.

Lesioni oculari gravi/irritazioni oculari gravi

Prodotto/ingrediente perossido di idrogeno soluzione 35%; acqua ossigenata 35%
Risultato: Effetti nocivi osservati (Provoca gravi lesioni oculari)

Prodotto/ingrediente 1,2-benzisotiazol-3(2H)-one; 1,2-benzisotiazolin-3-one
Metodo di prova: OCSE 405
Risultato: Effetti nocivi osservati (Provoca gravi lesioni oculari)

Sulla base dei dati disponibili i criteri di classificazione non sono soddisfatti.

Sensibilizzazione respiratoria

Prodotto/ingrediente perossido di idrogeno soluzione 35%; acqua ossigenata 35%
Risultato: Nessun effetto nocivo osservato (non sensibilizzante)

Sulla base dei dati disponibili i criteri di classificazione non sono soddisfatti.

Sensibilizzazione cutanea

Prodotto/ingrediente 1,2-benzisotiazol-3(2H)-one; 1,2-benzisotiazolin-3-one
Metodo di prova: OCSE 429
Specie: Topo
Risultato: Effetti nocivi osservati (sensibilizzante)

Prodotto/ingrediente 1,2-benzisotiazol-3(2H)-one; 1,2-benzisotiazolin-3-one
Metodo di prova: OCSE 406
Specie: Porcellino d'india
Risultato: Effetti nocivi osservati (sensibilizzante)

Sulla base dei dati disponibili i criteri di classificazione non sono soddisfatti.

Mutagenicità delle cellule germinali

Sulla base dei dati disponibili i criteri di classificazione non sono soddisfatti.

Cancerogenicità

Prodotto/ingrediente perossido di idrogeno soluzione 35%; acqua ossigenata 35%
Conclusione: Nessun effetto nocivo osservato

Sulla base dei dati disponibili i criteri di classificazione non sono soddisfatti.

Tossicità per la riproduzione

Prodotto/ingrediente perossido di idrogeno soluzione 35%; acqua ossigenata 35%
Conclusione: Nessun effetto nocivo osservato

Sulla base dei dati disponibili i criteri di classificazione non sono soddisfatti.

Tossicità specifica per organi bersaglio (STOT) — esposizione singola

Sulla base dei dati disponibili i criteri di classificazione non sono soddisfatti.

Tossicità specifica per organi bersaglio (STOT) — esposizione ripetuta

Sulla base dei dati disponibili i criteri di classificazione non sono soddisfatti.

Pericolo in caso di aspirazione

Prodotto/ingrediente perossido di idrogeno soluzione 35%; acqua ossigenata 35%

Sulla base dei dati disponibili i criteri di classificazione non sono soddisfatti.

11.2. Informazioni su altri pericoli

Effetti cronici

Non noto.

Proprietà di interferenza con il sistema endocrino

In base ai dati disponibili, il prodotto non contiene sostanze elencate nelle principali liste europee di potenziali o sospetti interferenti endocrini con effetti sulla salute umana oggetto di valutazione.

Altre informazioni

perossido di idrogeno soluzione 35%; acqua ossigenata 35%: la sostanza è stata classificata nel gruppo 3 da IARC.

SEZIONE 12: INFORMAZIONI ECOLOGICHE

12.1. Tossicità

Prodotto/ingrediente	perossido di idrogeno soluzione 35%; acqua ossigenata 35%
Specie:	Pesce, Pimephales promelas
Durata:	96 ore
Test:	LC50
Risultato:	16,4 mg/L

Prodotto/ingrediente	perossido di idrogeno soluzione 35%; acqua ossigenata 35%
Specie:	Pesce, Leuciscus idus
Durata:	72 ore
Test:	LC50
Risultato:	35 mg/L

Prodotto/ingrediente	perossido di idrogeno soluzione 35%; acqua ossigenata 35%
Specie:	Pesce, Oncorhynchus mykiss
Durata:	7 giorni
Test:	LC50
Risultato:	38,5 mg/L

Prodotto/ingrediente	perossido di idrogeno soluzione 35%; acqua ossigenata 35%
Specie:	Daphnia pulex
Durata:	48 ore
Test:	EC50
Risultato:	2,4 mg/L

Prodotto/ingrediente	perossido di idrogeno soluzione 35%; acqua ossigenata 35%
Specie:	Daphnia magna
Durata:	24 ore
Test:	EC50
Risultato:	7,7 mg/L

Prodotto/ingrediente	perossido di idrogeno soluzione 35%; acqua ossigenata 35%
Specie:	Skeletonema costatum
Durata:	72 ore
Test:	EC50
Risultato:	1,38 mg/L

Prodotto/ingrediente	perossido di idrogeno soluzione 35%; acqua ossigenata 35%
Metodo di prova:	OCSE 209
Specie:	Batteri
Comparto ambientale:	Impianto per i fanghi attivi
Durata:	30 minutes
Test:	EC50
Risultato:	466 mg/L

Prodotto/ingrediente	perossido di idrogeno soluzione 35%; acqua ossigenata 35%
Metodo di prova:	OCSE 209
Specie:	Batteri
Comparto ambientale:	Impianto per i fanghi attivi
Durata:	3 ore
Test:	EC50
Risultato:	> 1.000 mg/L

Prodotto/ingrediente	1,2-benzisotiazol-3(2H)-one; 1,2-benzisotiazolin-3-one
Specie:	Pesce
Durata:	96 ore
Test:	LC50
Risultato:	>0.1-1 mg/L

Prodotto/ingrediente	1,2-benzisotiazol-3(2H)-one; 1,2-benzisotiazolin-3-one
Specie:	Crostacei
Durata:	48 ore
Test:	EC50
Risultato:	>0.1-1 mg/L

Prodotto/ingrediente	1,2-benzisotiazol-3(2H)-one; 1,2-benzisotiazolin-3-one
Specie:	Alghe
Durata:	72 ore
Test:	EC50
Risultato:	>0.1-1 mg/L

Sulla base dei dati disponibili i criteri di classificazione non sono soddisfatti.

12.2. Persistenza e degradabilità

Prodotto/ingrediente	Alcohol, C13, bran., EO, sulfate Na~
Risultato:	> 60 %
Conclusione:	Pronta biodegradabilità
Test:	OCSE 301 B

Prodotto/ingrediente	perossido di idrogeno soluzione 35%; acqua ossigenata 35%
Conclusione:	Pronta biodegradabilità

Prodotto/ingrediente	1,2-benzisotiazol-3(2H)-one; 1,2-benzisotiazolin-3-one
Risultato:	90%
Conclusione:	Pronta biodegradabilità
Test:	OECD 302

Il(i) tensioattivo(i) contenuto(i) in questo formulato è (sono) conforme(i) ai criteri di biodegradabilità stabiliti dal regolamento (CE) n. 648/2004 relativo ai detergenti. Tutti i dati di supporto sono tenuti a disposizione delle autorità competenti degli Stati Membri e saranno forniti, su loro esplicita richiesta o su richiesta di un produttore del formulato, alle suddette autorità.

12.3. Potenziale di bioaccumulo

Prodotto/ingrediente	perossido di idrogeno soluzione 35%; acqua ossigenata 35%
LogKow:	-1,57
Conclusione:	-

Prodotto/ingrediente	1,2-benzisotiazol-3(2H)-one; 1,2-benzisotiazolin-3-one
BCF:	2

LogKow: 1.45
Conclusione: Il potenziale di bioaccumulo è basso

12.4. Mobilità nel suolo

Dati non disponibili.

12.5. Risultati della valutazione PBT e vPvB

Questa miscela/prodotto non contiene sostanze che soddisfano i criteri di classificazione PBT e/o vPvB.

12.6. Proprietà di interferenza con il sistema endocrino

Questa sostanza/miscela non contiene componenti considerati aventi proprietà di interferenza endocrina in relazione all'ambiente.

12.7. Altri effetti avversi

Non noto.

SEZIONE 13: CONSIDERAZIONI SULLO SMALTIMENTO

13.1. Metodi di trattamento dei rifiuti

Il materiale non utilizzato può essere smaltito in accordo alle norme vigenti relativamente ai rifiuti speciali assimilabili agli urbani. (*)

HP 4 - Irritante (Irritazione cutanea e lesioni oculari)

Regolamento (UE) n. 1357/2014 della Commissione del 18 dicembre 2014 relativo ai rifiuti.

Codice CER:

20 01 30 Detergenti diversi da quelli di cui alla voce 20 01 29

Imballaggio contaminato

Gli imballaggi contenenti piccoli resti del prodotto devono essere smaltiti allo stesso modo del prodotto.

SEZIONE 14: INFORMAZIONI SUL TRASPORTO

	14.1 ONU	14.2 Designazione ufficiale ONU di trasporto	14.3 Classi di pericolo connesso al trasporto	14.4 PG*	14.5. Env**	Altre informazioni:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Gruppo d'imballaggio

** Pericoli per l'ambiente

Altro

Prodotto non pericoloso in base ai criteri della normativa sul trasporto via terra, IATA e via mare.

14.6. Precauzioni speciali per gli utilizzatori

Non applicabile.

14.7. Trasporto marittimo alla rinfusa conformemente agli atti dell'IMO

Dati non disponibili.

SEZIONE 15: INFORMAZIONI SULLA REGOLAMENTAZIONE

15.1. Disposizioni legislative e regolamentari su salute, sicurezza e ambiente specifiche per la sostanza o la miscela

Limitazioni d'uso:

Uso ristretto agli utilizzatori professionali.

Esigenza di istruzioni particolari:

Nessun requisito particolare.

SEVESO - Categorie / Sostanze pericolose:

Non applicabile.

Regolamento relativo di precursori di esplosivi:

perossido di idrogeno soluzione 35%; acqua ossigenata 35% (Allegato I)

Etichettatura dei contenuti conforme al Regolamento sui detergenti 648/2004:

>5% - <15%

· Tensioattivi Non ionici

< 5%

· Tensioattivi anionici

· Sbiancanti a base di ossigeno

· Profumi

· Conservanti (BENZISOTHIAZOLINONE)

Altro:

Il(i) tensioattivo(i) contenuto(i) in questo formulato è (sono) conforme(i) ai criteri di biodegradabilità stabiliti dal regolamento (CE) n. 648/2004 relativo ai detergenti. Tutti i dati di supporto sono tenuti a disposizione delle autorità competenti degli Stati Membri e saranno forniti, su loro esplicita richiesta o su richiesta di un produttore del formulato, alle suddette autorità.

Fonti:

Regolamento (CE) n. 648/2004 del Parlamento europeo e del Consiglio, del 31 marzo 2004, relativo ai detergenti.

Regolamento (UE) n. 1357/2014 della Commissione del 18 dicembre 2014 relativo ai rifiuti.

Regolamento (UE) 2019/1148 relativo di precursori di esplosivi.

Regolamento (CE) n. 1272/2008 del Parlamento europeo e del Consiglio del 16 dicembre 2008 relativo alla classificazione, all'etichettatura e all'imballaggio delle sostanze e delle miscele (CLP).

Regolamento (CE) n. 1907/2006 del Parlamento europeo e del Consiglio, del 18 dicembre 2006, concernente la registrazione, la valutazione, l'autorizzazione e la restrizione delle sostanze chimiche (REACH).

15.2. Valutazione della sicurezza chimica

No

SEZIONE 16: ALTRE INFORMAZIONI

Il testo completo delle frasi H è riportato nella sezione 3

H271, Può provocare un incendio o un'esplosione; molto comburente.

H302, Nocivo se ingerito.

H314, Provoca gravi ustioni cutanee e gravi lesioni oculari.

H315, Provoca irritazione cutanea.

H318, Provoca gravi lesioni oculari.

H319, Provoca grave irritazione oculare.

H332, Nocivo se inalato.

H335, Può irritare le vie respiratorie.

H336, Può provocare sonnolenza o vertigini.

H412, Nocivo per gli organismi acquatici con effetti di lunga durata.

Abbreviazioni e acronimi

ADN = Norme Europee relative al Trasporto Internazionale di Merci Pericolose per Vie Navigabili Interne

ADR = Accordo Europeo relativo al Trasporto Internazionale di Merci Pericolose su Strada

ATE = Stima della Tossicità Acuta

BCF = Fattore di Bioconcentrazione

CAS = Chemical Abstracts Service

CE = Conformité Européenne

CER = Catalogo Europeo dei Rifiuti

CLP = Classificazione, Etichettatura e Imballaggio [Regolamento (CE) N. 1272/2008]

CSA = Valutazione sulla Sicurezza Chimica

CSR = Relazione sulla Sicurezza Chimica

DMEL = Livello derivato con effetti minimi

DNEL = Livello derivato senza effetto

EINECS = Inventario Europeo delle Sostanze chimiche Esistenti a carattere Commerciale

ES = Scenario di Esposizione Indicazione
EUH = disposizioni di rischio specifiche al regolamento CLP
EuPCS = Sistema europeo di categorizzazione dei prodotti
GHS = Sistema Mondiale Armonizzato di Classificazione ed Etichettatura delle Sostanze Chimiche
GWP = Potenziale di riscaldamento globale
IATA = Associazione Internazionale per il Trasporto Aereo
IBC = Contenitori Bulk
IMDG = Trasporto Marittimo Internazionale di Merci Pericolose
Log Kow = log del coefficiente di ripartizione ottanolo/acqua
MARPOL = Convenzione Internazionale del 1973 per la Prevenzione dell'Inquinamento causato dalle Navi e il relativo protocollo del 1978
OCSE = Organizzazione per la Cooperazione e lo Sviluppo Economico
ONU = Organizzazione delle Nazioni Unite
PBT = Persistente, Bioaccumulante, Tossico
PNEC = Concentrazione Prevedibile Priva di Effetti
RID = I Regolamenti concernenti il Trasporto Internazionale di Merci Pericolose per Ferrovia
RRN = Numero REACH di Registrazione
rc = gli altri rifiuti soggetti a controllo
rcm = gli altri rifiuti soggetti a controllo con obbligo di modulo di accompagnamento
rs = rifiuti speciali
SCL = Limite di concentrazione specifico
SVHC = Sostanze Molto Pericolose
STOT = Tossicità Specifica per Organi Bersaglio - Esposizione Ripetuta
STOT = Tossicità Specifica per Organi Bersaglio - Esposizione Singola
TWA = Media ponderata nel tempo
UVCB = Indica sostanze di composizione sconosciuta o variabile, prodotti di una reazione complessa o materiali biologici.
VOC = Composti Organici Volatili
vPvB = Molto Persistente e Molto Bioaccumulabile

Altro

Non applicabile.

Convalidato da

Quality & Compliance

Altro

La presenza di un triangolo indica una modifica rispetto alla versione precedente (primo numero nella versione SDS, vedere sezione 1).

Le indicazioni riportate nella presente scheda di dati di sicurezza si applicano esclusivamente al prodotto indicato nella sezione 1 e non si applicano necessariamente in caso di utilizzo con altri prodotti.

Si consiglia di consegnare la presente scheda di dati di sicurezza all'utente del prodotto. Le informazioni riportate non possono essere utilizzate come specifiche prodotto.

Nazione-lingua: IT-it

安全データシート

i.1 all-purpose cleaner FlexDose

項目 1: 物質/製剤および会社/企業の特定

1.1. 製品識別子

▼ 製品名:

i.1 all-purpose cleaner FlexDose

1.2. 推奨用途及び使用上の制限

物質または混合物で関連の特定使用:
洗剤および洗浄剤（溶剤系を含む）
産業用専用。

対提言使用:
不明。

1.3. 安全データシートの供給業者の詳細

会社と住所:

Hygeniq B.V.
Postbus 618
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SDS 日付:
2025/06/27

SDS バージョン:
2.0

前作成日:
2025/06/02 (1.0)

1.4. 緊急連絡用電話番号（受付時間）

緊急時には119（24時間サービス）に電話すること
公益財団法人 日本中毒情報センター：+81-72-727-2499
項目4を参照：応急措置

項目2: 危険有害性の要約

2.1. 物質または混合物の分類

GHS による分類なし

2.2. ラベル要素

危険有害性の絵文字:
該当なし。

注意喚起語:

該当なし.

危険有害性情報:

該当なし.

注意書き:

概要:

-

安全対策:

-

応急措置:

-

保管:

-

廃棄:

-

危険有害性成分:

報告に必要な物質が含まれていません

追加ラベル付け:

該当なし.

項目3: 組成及び成分情報

3.1. 成分

該当なし. この製品は混合物です。

3.2. 混合物

製品 / 成分	識別子	% w/w	分類	注記
Alcohol, C13, bran., EO, sulfate Na~	CAS番号 : 150413-26-6 EC番号 : 688-316-0	1-3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 3, H412	
hydrogen peroxide	CAS番号 : 7722-84-1 EC番号 : 231-765-0	1-3%	Ox. Liq. 1, H271 Acute Tox. 4, H302 Skin Corr. 1A, H314 (SCL: 70.00 %) Skin Corr. 1B, H314 (SCL: 50.00 %) Skin Irrit. 2, H315 (SCL: 35.00 %) Eye Dam. 1, H318 (SCL: 8.00 %) Eye Irrit. 2, H319 (SCL: 5.00 %) Acute Tox. 4, H332 STOT SE 3, H336 (SCL: 35.00 %)	
citroenzuurmonohydraat	CAS番号 : 5949-29-1 EC番号 : 611-842-9	<0.1%	Eye Irrit. 2, H319	

セクション16のHフレーズの全文を参照のこと。職業ばく露限界は利用可能な場合は、セクション8に記載されている。

その他の情報

-

項目4: 応急措置

4.1. 応急処置の解説

一般情報:

事故の場合：医師または緊急部門に連絡すること - ラベルまたはこの安全データシートを持参する。

被害者の状態に疑問がある場合、または症状が継続する場合は、医師に連絡すること。絶対に意識不明の人に水やその他の飲み物を与えないこと。

吸入した場合:

不快感がある場合：被害者を新鮮な空気を吸える場所に移動する。

皮膚に付着した場合:

刺激が発生した場合：水ですすぐ。刺激が続く場合は、医師と相談すること。

眼に入った場合:

ぬるま湯で優しく洗い流してください。簡単にコンタクトレンズを外せる場合は外してください。すすぎを続けます。目の炎症や不快感が続く場合: 医師の診察を受けてください。

飲み込んだ場合:

水で口を十分に洗い、多量の水を飲むこと。不快感が続く場合：この安全データシートを持参して、医師と相談すること。

やけど:

該当なし。

4.2. 重大な症状と作用の大部分には、急性および遅延性の両方がある 不明。

4.3. 何らかの即時の手当および特別な治療が必要とされることの表示 対症療法を行う。

医師に対する特別な注意事項

この安全データシートを持参のこと。

項目5: 火災時の措置

5.1. 消火剤

該当なし。

5.2. 物質または混合物から生じる特別な危険有害性

火は濃い煙をもたらす。燃焼製品にさらされると、健康に害を及ぼす可能性がある。火にさらされた密閉容器は、水で冷却すべきである。絶対に、消火水が下水や近くの地表水に入らないようにする。

例えば火災など製品が高温にさらされた場合、危険な分解化合物が生成される。これらは次がある：

酸化炭素 (CO / CO₂)

5.3. 消防士に対する助言

特定の要件なし。

項目6: 漏出時の措置

6.1. 人体に対する注意事項、保護具及び緊急時措置

汚染区域は滑りやすい場合がある。

6.2. 環境に対する注意事項

湖、小川、下水道などへの排出を避けること。

権限のない人を流出から遠ざける

6.3. 封じ込め及び浄化の方法及び機材

不燃性、吸収性物質で流出物を入れて収集します。砂、土、バーミキュライトまたは珪藻土を廃棄し、地元の規制に従って廃棄できるように容器に入れます。

洗浄は可能な限り、通常の洗浄剤で行う。溶剤の使用は避けること。

6.4. 他のセクションを参照

廃棄物取り扱いの追加情報に関してはセクション13を参照。

適切な個人保護装置に関する情報についてはセクション8を参照。

項目7: 取扱い及び保管上の注意

7.1. 安全に取扱うための注意事項

作業場での喫煙、飲酒、食べ物の摂取は禁止する。
作業者保護に関する情報については、「ばく露制御/個人保護」のセクションを参照のこと。

7.2. あらゆる配合禁忌を含む、安全な保管条件

推奨保管材料:

他の容器に移し替えないこと。

保管条件:

乾燥、涼しい、十分な換気

混触危険物質:

強酸、強塩基、強酸化剤、及び強い還元剤。

7.3. 特定の最終用途

この製品はセクション1.2で引用した応用のみに使用しなければならない。

項目8: ばく露防止及び保護措置

8.1. 許容濃度

職業ばく露限界のある物質の全国リストに記載されている物質はない。

8.2. 暴露の管理

不必要な被ばくを防ぐため、全般的な管理を行います。

一般的な推奨事項:

作業場での喫煙、飲酒、食べ物の摂取は禁止する。

ばく露シナリオ:

"この製品にはばく露シナリオは実装されていない。

暴露限界値:

この製品の物質に対する職業ばく露限界は定義されていない。

適切な技術的管理:

本製品の使用中には、標準的予防措置が適用されます。蒸気の吸入を避けます。

衛生対策:

使用後に手を洗うこと。

環境暴露管理:

特定の要件なし。

個人の保護措置

一般的:

CEマークが付いた保護具のみを使用すること。

呼吸用保護具:

推奨フィルタの種類	クラス	クラス	標準	
目的のとおりに使用する場合は、特別な条件はない				

身体保護具:

推奨	タイプ / カテゴリ	標準	
目的のとおりに使用する場合は、特別な条件はない	-	-	

手の保護具:

工事状況	材料	手袋の厚さ (mm)	破過時間 (分)	標準	
	目的のとおりを使用 する場合は、特別な 条件はない	-	-	-	
長期被爆または高濃度の 場合	綿/ニトリル ゴム、	-	> 120	EN374-2, EN16523- 1, EN388	

保護眼鏡/保護面:

工事状況	推奨	標準	
	目的のとおりに使用する場合は、特別な 条件はない	-	
長期被爆または高濃度の 場合	サイドシールド付き安全メガネ	EN166	

項目9: 物理的及び化学的性質

9.1. 基本的な物理学および化学的特性に関する情報

物理的状:

液体

色:

無色

臭い:

香水の

臭気しきい値 (ppm) :

利用可能なデータなし.

pH:

ca. 4.8

比重 (g/cm³):

1.02 (20 °C)

粘度:

利用可能なデータなし.

粒子特性:

液体には適用されません。

フェーズの変更

融点・凝固点 (°C):

利用可能なデータなし.

軟化点/範囲 (°C):

液体には適用されません。

沸点/沸騰範囲 (°C):

利用可能なデータなし.

蒸気圧:

利用可能なデータなし.

蒸気密度:

利用可能なデータなし.

分解温度 (°C):

利用可能なデータなし.

蒸発速度:

火災および爆発の危険性に関するデータ

引火点 (°C):

利用可能なデータなし.

引火性 (°C):

利用可能なデータなし.

自然発火温度 (°C):

利用可能なデータなし.

爆発 (燃焼) 限界の上限および下限 (% v/v):

利用可能なデータなし.

溶解度

水中の溶解度:

完全に溶ける

分配係数 (LogKow):

利用可能なデータなし.

脂肪の溶解度 (g/L) :

利用可能なデータなし.

9.2. その他の情報

揮発性有機化合物(VOC):

その他の物理的および化学的パラメータ:

利用可能なデータなし.

酸化特性:

利用可能なデータなし.

項目10: 安定性及び反応性

10.1. 反応性

利用可能なデータなし.

10.2. 化学的安定性

製品は「取り扱いと保管」のセクションに記載されている条件下で安定している。

10.3. 危険有害反応可能性

不明。

10.4. 避けるべき条件

不明。

10.5. 混触危険物質

強酸、強塩基、強酸化剤、及び強い還元剤。

10.6. 危険有害な分解生成物

通常の保管および使用条件下では、有害な分解生成物は発生しません。

項目11: 有害性情報

11.1. 毒物学的作用に関する情報

急性毒性

製品 / 成分

hydrogen peroxide

種類:

ラット

暴露経路:

経口

テスト:

LD50

結果: 1.193 - 1.270 mg/L

製品 / 成分 hydrogen peroxide
種類: ウサギ
暴露経路: 皮膚
テスト: LD50
結果: >2.000 (35% oplossing) mg/kg

製品 / 成分 1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
種類: ラット
暴露経路: 経口
テスト: LD50
結果: 500 mg/kg

使用可能なデータを基にすると、分類基準が満たされていません。

刺激性/腐食性

製品 / 成分 hydrogen peroxide
結果: 副作用が認められる (刺激する)

製品 / 成分 1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
試験方法: OECD 404
結果: 副作用が認められる (刺激する)

使用可能なデータを基にすると、分類基準が満たされていません。

重篤な眼の損傷/刺激

製品 / 成分 hydrogen peroxide
結果: 副作用が認められる (重篤な眼の損傷)

製品 / 成分 1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
試験方法: OECD 405
結果: 副作用が認められる (重篤な眼の損傷)

使用可能なデータを基にすると、分類基準が満たされていません。

呼吸器ま感作

製品 / 成分 hydrogen peroxide
結果: 副作用は認められない (感作しない)

使用可能なデータを基にすると、分類基準が満たされていません。

皮膚感作

製品 / 成分 1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
試験方法: OECD 429
種類: ネズミ
結果: 副作用が認められる (敏感化)

製品 / 成分 1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
試験方法: OECD 406
種類: テンジクネズミ
結果: 副作用が認められる (敏感化)

使用可能なデータを基にすると、分類基準が満たされていません。

変異原性

使用可能なデータを基にすると、分類基準が満たされていません。

発がん性

製品 / 成分 hydrogen peroxide
結論: 副作用は認められない

使用可能なデータを基にすると、分類基準が満たされていません。
hydrogen peroxide : 物質はIARCでグループ3に分類されている。

催奇形性 / 発育への影響

製品 / 成分 hydrogen peroxide
結論: 副作用は認められない

使用可能なデータを基にすると、分類基準が満たされていません。

特定標的臓器 / 全身毒性 (単回暴露)

使用可能なデータを基にすると、分類基準が満たされていません。

特定標的臓器 / 全身毒性 (反復暴露)

使用可能なデータを基にすると、分類基準が満たされていません。

呼吸に対する危険有害性

製品 / 成分 hydrogen peroxide
使用可能なデータを基にすると、分類基準が満たされていません。

健康への慢性効果の可能性

不明。

項目12: 環境影響情報

12.1. 毒性

製品 / 成分 hydrogen peroxide
種類: 魚類, Pimephales promelas
存続期間: 96 時間
テスト: LC50
結果: 16,4 mg/L

製品 / 成分 hydrogen peroxide
種類: 魚類, Leuciscus idus
存続期間: 72 時間
テスト: LC50
結果: 35 mg/L

製品 / 成分 hydrogen peroxide
種類: 魚類, Oncorhynchus mykiss
存続期間: 7 日
テスト: LC50
結果: 38,5 mg/L

製品 / 成分 hydrogen peroxide
種類: Daphnia pulex
存続期間: 48 時間
テスト: EC50
結果: 2,4 mg/L

製品 / 成分 hydrogen peroxide
種類: Daphnia magna
存続期間: 24 時間
テスト: EC50
結果: 7,7 mg/L

製品 / 成分 hydrogen peroxide
種類: Skeletonema costatum
存続期間: 72 時間
テスト: EC50
結果: 1,38 mg/L

製品 / 成分 hydrogen peroxide
試験方法: OECD 209

JIS Z 7253:2019 による

種類: バクテリア
環境: 活性スラッジプラント
存続期間: 30 minutes
テスト: EC50
結果: 466 mg/L

製品 / 成分: hydrogen peroxide
試験方法: OECD 209
種類: バクテリア
環境: 活性スラッジプラント
存続期間: 3 時間
テスト: EC50
結果: > 1.000 mg/L

製品 / 成分: 1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
種類: 魚類
存続期間: 96 時間
テスト: LC50
結果: >0.1-1 mg/L

製品 / 成分: 1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
種類: 甲殻綱
存続期間: 48 時間
テスト: EC50
結果: >0.1-1 mg/L

製品 / 成分: 1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
種類: 藻類
存続期間: 72 時間
テスト: EC50
結果: >0.1-1 mg/L

使用可能なデータを基にすると、分類基準が満たされていません。

12.2. 残留性・分解性

製品 / 成分: Alcohol, C13, bran., EO, sulfate Na~
結果: > 60 %
結論: 生分解しやすい
テスト: OECD 301 B

製品 / 成分: hydrogen peroxide
結論: 生分解しやすい

製品 / 成分: 1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
結果: 90%
結論: 生分解しやすい
テスト: OECD 302

12.3. 生体蓄積性

製品 / 成分: hydrogen peroxide
LogKow: -1,57
結論: -

製品 / 成分: 1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
BCF: 2
LogKow: 1.45
結論: 生体濃縮する可能性は低い

12.4. 土壌中の移動性

利用可能なデータなし.

12.5. 12.5.PBTおよびvPvB評価の結果

この混合物/製品には、PBTまたはvPvB、もしくはその両者として分類される基準を満たすと考慮される物質は含まれていない。

12.6. その他の悪影響

不明。

項目13: 廃棄上の注意

廃棄物処理方法

内容物/容器をに廃棄すること。

特定のラベル

汚染された包装

製品の残渣を含む包装は製品と同様に処分する必要がある。

項目14: 輸送上の注意

	14.1 国連番号	14.2 輸送固有名	14.3 範疇	14.4 PG*	14.5 Env**	その他の情報:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* 容器等級

** 環境有害性

追加情報

ADR、IATAおよびIMDGによると危険物ではない。

14.6. 使用者のための特別な予防措置

該当なし。

14.7. MARPOL条約の附属書IIおよびIBCコードによるばら積み運搬

利用可能なデータなし。

項目15: 適用法令

15.1. 物質または混合物ごとに個別に関連する、安全、健康および環境に関する規則/法律

応用の制限:

産業用専用。

特定教育に対する要求:

特定の要件なし。

その他の情報:

該当なし。

既存および新規化学物質 (ENCs):

どの化学成分も表示されていない。

毒物及び劇物取締法:

hydrogen peroxide

化管法 (PRTR):

どの化学成分も表示されていない。

有機溶剤中毒予防規則:

どの化学成分も表示されていない。

ソース:

GHS に基づく化学品の分類方法. JIS Z 7252 (2019)

GHS に基づく化学品の危険有害性情報の伝達方法ーラベル, 作業場内の表示及び安全データシート (SDS). JIS Z 7253 (2019)

項目16: その他の情報

セクション3に記載のHフレーズ全文

H271, 火災または爆発のおそれ; 強酸化性物質。

H302, 飲み込むと有害。

H314, 重篤な皮膚の薬傷・眼の損傷

H315, 皮膚刺激。

H318, 重篤な眼の損傷。

H319, 強い眼刺激。

H332, 吸入すると有害。

H336, 眠気やめまいのおそれ。

H412, 長期的影響により水生生物に有害。

セクション1に記載の識別された使用の全文
不明。

略語と頭字語

ACGIH = アメリカ産業衛生専門家会議

ADN = ヨーロッパ内陸水路危険物運送規定

ADR = ヨーロッパ道路危険物運送条約

ATE = 急性毒性見積

BCF = 生物濃縮係数

CAS = ケミカル・アブストラクト・サービス

EINECS = 欧州既存商業化学物質リスト

GHS = 化学品の分類および表示に関する世界調和システム

IARC = 国際がん研究機関

IATA = 国際航空運送協会

IMDG = 国際海上危険物規程

LogPow = オクタノール／水分配係数の対数

MARPOL = 1978年の議定書によって修正された1973年船舶による汚染防止のための国際条約

NIOSH = 国立労働安全衛生研究所

OECD = 経済協力開発機構

OSHA = 労働安全衛生局

RID = 鉄道による危険物の国際輸送に関する規制

RRN = REACH登録番号

SCL = には特定の濃度限界値 (SCL) がある。

STEL = 短期ばく露限界

STOT-RE = 特定標的臓器毒性 (反復ばく露)

STOT-SE = 特定標的臓器毒性 (単回ばく露)

TWA = 時間加重平均

UN = 国際連合

VOC = 揮発性有機化合物

追加情報

職業ばく露限界のある物質の全国リストに記載されている物質はない。

本製品には安全データシートは義務付けられていません。この安全データシートは関連情報を通知するため任意で作成されたものです。

安全データシートは次により確認される

Quality & Compliance

その他

変更 (最後の本質的な変更 (SDS バージョンの最初の文字、セクション1を参照) に対して) は、青い三角形で表示されて

いる。

この安全データシート情報はこの特定製品（セクション1に記載）にのみ適用され、他の化学薬品/製品で使用する場合は必ずしも正しいものではない。

この安全データシートを、製品の実際の利用者に渡すことを推奨する。この安全データシート情報は製品仕様としては使用できない。

国-言語: JP-ja

안전 데이터 시트

i.1 all-purpose cleaner FlexDose

1: 물질/제품과 회사 정보

1.1. 제품 식별명

▼ 제품명:
i.1 all-purpose cleaner FlexDose

1.2. 제품의 권고 용도와 사용상의 제한

▼ 물질 또는 혼합물의 적절한 식별 용도:
세제 및 세정제(솔벤트 기반 세제 포함)
전문 사용자 전용.

권고되는 사용 대상:
알려진 바 없습니다.

1.3. 물질안전보건자료의 공급자에 대한 자세한 사항

회사 세부정보:
Hygeniq B.V.
Postbus 618
7500 AP Enschede
The Netherlands
+31 53 4282860
+31 53 5393865
www.hygeniq.com

이메일:
info@hygeniq.com

SDS 날짜:
2025. 6. 27.

SDS 버전:
2.0

이전 호 발행일:
2025. 6. 2. (1.0)

1.4. 긴급전화번호

응급의료센터: 1339(24시간 서비스)
섹션 4: 응급조치

2: 유해성·위험성

2.1. 물질 또는 혼합물의 분류

화학 물질 및 물질 안전 보건 자료의 분류 라벨링 표준(MoEL No. 2016-19)에 따라 분류되지 않음.

2.2. 표지 요소

유해 그림문자:
해당사항 없음.

신호어:
해당사항 없음.

유해·위험 문구:

예방조치 문구:

일반:

-

예방:

-

대응:

-

저장:

-

폐기:

-

내용량, 성분 및 함유량:

신고가 필요한 물질을 포함하지 않음

추가 라벨링:

해당사항 없음.

3: 구성성분의 명칭 및 함유량

3.1. 물질

해당사항 없음. 이 제품은 혼합물입니다.

3.2. 혼합물

제품/성분	식별자	% w/w	분류	참고
물	CAS번호: 7732-18-5 EC: 231-791-2	80-95%		
Glycerides, coco mono- and di-, ethoxylated	CAS번호: 68201-46-7 EC: 614-376-4	3-5%		
alcohol ethoxylate	CAS번호: EC:	3-5%		
2-(2-ethoxyethoxy)ethanol	CAS번호: 111-90-0 EC: 203-919-7	1-3%		
Alcohol, C13, bran., EO, sulfate Na~	CAS번호: 150413-26-6 EC: 688-316-0	1-3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 3, H412	
hydrogen peroxide	CAS번호: 7722-84-1 EC: 231-765-0	1-3%	Ox. Liq. 1, H271 Acute Tox. 4, H302 Skin Corr. 1, H314 Skin Irrit. 2, H315 (SCL: 35.00 %) Eye Dam. 1, H318 (SCL: 8.00 %) Eye Irrit. 2, H319 (SCL: 5.00 %) Acute Tox. 4, H332 STOT SE 3, H336 (SCL: 35.00 %)	
D-Glucopyranose, oligomers, decyloctyl glycoside	CAS번호: 68515-73-1 EC:	<1%	Eye Dam. 1, H318 (SCL: 10.00 %) Eye Irrit. 2, H319 (SCL: 10.00 %)	
Fatty acids, C16-18 and C18-	CAS번호: 67762-38-3	<1%		

화학물질의 분류, 표시 및 물질안전보건자료에 관한 기준, 제10조 따름

unsatd., Me esters	EC: 267-015-4			
Xanthan gum	CAS번호: 11138-66-2 EC: 234-394-2	<0.25%		

섹션 16에 언급된 H-문구 전문을 참조하십시오. 작업장 노출 한도 자료가 있을 경우 섹션 8에 나옵니다.

그 밖의 참고사항

-

4: 응급조치 요령

4.1. 응급조치에 관한 기술

일반:

사고의 경우: 의사 또는 사상자 부서에 문의하고 (119) 라벨이나 이 물질 안전 보건자료를 지참하십시오.

부상 당한 사람의 상태가 의심되거나 증상이 지속되면 의사에게 문의하십시오. 의식이 없는 사람에게 물이나 다른 음료를 주지 마십시오.

흡입했을 때:

불편한 경우: 사람을 신선한 공기가 있는 곳으로 데려가십시오.

피부에 접촉했을 때:

자극 시: 물로 행굽니다. 자극이 계속되면 의학적 도움을 받으십시오.

눈에 들어갔을 때:

미지근한 물로 부드럽게 행구십시오. 가능하다면 콘택트렌즈를 제거하십시오. 계속해서 행구십시오. 눈에 지속적인 자극이나 불편함이 있는 경우: 의사의 진료를 받으십시오.

먹었을 때:

입을 행구고 씻고 다량의 물을 섭취하십시오. 계속 불편한 경우: 의료 지원을 요청하고 이 물질 안전 보건자료를 가져 가십시오.

화상:

해당사항 없음.

4.2. 가장 중요한 급성 및 지연 증상과 영향

알려진 바 없습니다.

4.3. 즉시 필요한 의학적 주의사항 및 특별한 처치 지침

증상에 따라 치료하십시오.

기타 의사의 주의사항

이 물질 안전 보건자료를 지참하십시오.

5: 폭발·화재시 대처방법

5.1. 소화제

해당사항 없음.

5.2. 물질 또는 혼합물로 부터 발생하는 특별한 위험

화재 시 짙은 연기가 발생합니다. 연소 제품에 노출되면 건강에 해를 줄 수 있습니다. 화재에 노출된 밀폐 용기는 물로 식혀야 합니다. 소화수가 하수 시스템 및 인근 지표수에 유입되지 않도록 하십시오.

제품이 예를 들어 화재와 같은 고온에 노출되면 위험한 분해 화합물이 생성됩니다. 예:

탄소 산화물 (CO / CO2)

5.3. 화재 진압에 대한 조언

특정한 요구 사항 없음.

6: 누출 사고 시 대처방법

- 6.1. 인체를 보호하기 위해 필요한 조치 사항 및 보호구**
특히 밀폐된 공간에서는 환기가 적절히 되도록 하십시오.
오염된 부분은 미끄러울 수 있습니다.
- 6.2. 환경을 보호하기 위해 필요한 조치사항**
호수, 개울, 하수구 등으로 배출하지 마십시오.
허가받지 않은 사람이 누출물로부터 멀리 떨어지게 하십시오.
- 6.3. 정화 또는 제거 방법**
유출물을 모래나 흙, 질석, 구조토와 같은 불연성, 흡수성 물질에 모아 담아 현지 규정에 따라 폐기 가능한 용기에 담으십시오.
가능한 일반적인 세척제로 세척합니다. 용제 사용을 피하십시오.
- 6.4. 기타 항목에대한 참조**
폐기물 처리와 관련하여 13 '폐기시 주의사항' 섹션을 참조하십시오.
보호 조치는 8 '노출방지 및 개인보호구' 섹션을 참조하십시오.

7: 취급 및 저장방법

- 7.1. 안전취급요령**
작업 구역에서는 흡연, 음주 및 음식 섭취가 금지됩니다.
개인 보호에 대한 정보는 '노출방지 및 개인보호구' 섹션을 참조하십시오.
- 7.2. 안전한 저장 방법(피해야 할 조건을 포함함)**
권장되는 보관재료:
원래의 용기에만 보관하십시오.
보관 조건:
건조하고 시원하며 통풍이 잘 됨
피해야 할 물질:
강산, 강염기, 강력한산화제 및 강력한 환원제
- 7.3. 구체적인 사용 용도**
이 제품은 섹션 1.2에 인용된 애플리케이션에만 사용해야 합니다.

8: 노출방지 및 개인보호구

- 8.1. 제어 변수**
hydrogen peroxide
장시간 노출 한계(8시간) (ppm): 1

화학물질 및 물리적 인자의 노출기준
고용노동부 (한국, 8/2016).
- 8.2. 노출 관리**
주어진 작업장 노출 한도 값을 준수하는지 정기적으로 통제해야 합니다.
일반 권장 사항:
작업 구역에서는 흡연, 음주 및 음식 섭취가 금지됩니다.
노출 시나리오:
이 제품에 대해 구현된 노출 시나리오가 없습니다.
노출 허용치:
전문 사용자는 작업장 노출에 대해 법적으로 설정된 최대 농도의 적용을 받습니다. 위의 산업 위생 한계 값을 참조하십시오.
적절한 공학적 관리:

수증기 발생은 최소 수준 및 현 한도값 이하로 유지하여야 한다(위 내용 참조). 작업 공간에 정상적인 공기의 흐름이 부족한 경우, 로컬 배기 시스템 설치를 권장한다. 비상 눈세척 및 샤워를 명확하게 표시하도록 한다.
제품 사용시 표준 예방 조치에 따른다. 수증기 흡입을 피한다.

위생상 주의사항:
사용 후 손을 씻으십시오.

환경 노출 관리:
특정한 요구 사항 없음.

개인 보호 조치

일반:
KC 마크 보호 장비만 사용하십시오.

호흡기 보호:

유형	등급	색상	표준	
의도한 대로 사용하면 특별하지 않습니다				

신체 보호:

추천	타입/범주	표준	
의도한 대로 사용하면 특별하지 않습니다	-	-	

손 보호:

작업 상황	물질	장갑 두께 (mm)	돌파 시간 (분)	표준	
	의도한 대로 사용하면 특별하지 않습니다	-	-	-	
긴 시간 노출 또는 높은 농도인 경우	면/니트릴 고무	-	> 120	EN374-2, EN16523-1, EN388	

눈/안면 보호구:

작업 상황	유형	표준	
	의도한 대로 사용하면 특별하지 않습니다	-	
긴 시간 노출 또는 높은 농도인 경우	측면 실드가 있는 안전 안경	EN166	

9: 물리화학적 특성

9.1. 물리화학적 특성에 관한 정보

물리적 상태:
액체

색:
무색

냄새:
향수의

냄새 역치 (ppm):
자료 없음.

pH:
ca. 4.8

비중 (g/cm³):

1.02 (20 °C)

점도:

자료 없음.

입자 특성:

액체에 사용하지 마십시오.

위상 변화

녹는점/어는점 (°C):

자료 없음.

액체에 사용하지 마십시오.

초기 끓는점과 끓는점 범위 (°C):

자료 없음.

증기압:

자료 없음.

증기밀도:

자료 없음.

분해 온도 (°C):

자료 없음.

화재 및 폭발 위험에 관한 데이터

인화점 (°C):

자료 없음.

인화성 (°C):

자료 없음.

자연발화 온도 (°C):

자료 없음.

인화 또는 폭발 범위의 상한/하한 (% v/v):

자료 없음.

용해도

물 용해도:

완전히 용해 가능

분배계수 (LogKow):

자료 없음.

지방 용해도(g/L):

자료 없음.

9.2. 그 밖의 참고사항

기타 물리적 및 화학적 매개변수:

자료 없음.

산화성:

자료 없음.

10: 안정성 및 반응성

10.1. 반응성

자료 없음.

10.2. 화학적 안정성

이 제품은 '취급 및 저장방법' 섹션에 명시된 조건에서 안정적입니다.

10.3. 유해 반응의 가능성

알려진 바 없습니다.

10.4. 피해야 할 조건
알려진 바 없습니다.

10.5. 피해야 할 물질
강산, 강염기, 강력한산화제 및 강력한 환원제

10.6. 분해시 생성되는 유해물질
정상적인 보관 및 사용 조건에서 위험한 분해 산물이 생성되어서는 안 됩니다.

11: 독성에 관한 정보

11.1. 독성 영향에 관한 정보

급성 독성

제품/성분	hydrogen peroxide
생물종:	쥐
노출 경로:	경구
시험:	LD50
결과:	1.193 - 1.270 mg/L

제품/성분	hydrogen peroxide
생물종:	토끼
노출 경로:	피부
시험:	LD50
결과:	>2.000 (35% oplossing) mg/kg

제품/성분	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
생물종:	쥐
노출 경로:	경구
시험:	LD50
결과:	500 mg/kg

사용 가능한 데이터를 기준으로 할 때 분류 기준이 충족되지 않습니다.

자극성/부식성

제품/성분	hydrogen peroxide
결과:	관찰된 부작용 (자극적)

제품/성분	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
실험 방법:	OECD 404
결과:	관찰된 부작용 (자극적)

사용 가능한 데이터를 기준으로 할 때 분류 기준이 충족되지 않습니다.

심한 눈 손상/자극

제품/성분	hydrogen peroxide
결과:	관찰된 부작용 (눈에 심한 손상을 일으킴)

제품/성분	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
실험 방법:	OECD 405
결과:	관찰된 부작용 (눈에 심한 손상을 일으킴)

사용 가능한 데이터를 기준으로 할 때 분류 기준이 충족되지 않습니다.

호흡기 과민성

제품/성분	hydrogen peroxide
결과:	관찰된 부작용 없음 (민감하지 않음)

사용 가능한 데이터를 기준으로 할 때 분류 기준이 충족되지 않습니다.

피부 과민성

제품/성분	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
실험 방법:	OECD 429

화학물질의 분류, 표시 및 물질안전보건자료에 관한 기준, 제10조 따름

생물종: 쥐
결과: 관찰된 부작용 (민감성)

제품/성분: 1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
실험 방법: OECD 406
생물종: 기니 피그
결과: 관찰된 부작용 (민감성)

사용 가능한 데이터를 기준으로 할 때 분류 기준이 충족되지 않습니다.

생식 세포 변이원성

사용 가능한 데이터를 기준으로 할 때 분류 기준이 충족되지 않습니다.

발암성

제품/성분: hydrogen peroxide
결론: 관찰된 부작용 없음

사용 가능한 데이터를 기준으로 할 때 분류 기준이 충족되지 않습니다.
hydrogen peroxide : 물질은 IARC에 의해 그룹 3로 분류되었습니다.

생식 독성

제품/성분: hydrogen peroxide
결론: 관찰된 부작용 없음

사용 가능한 데이터를 기준으로 할 때 분류 기준이 충족되지 않습니다.

특정 표적장기 독성 (1회 노출)

사용 가능한 데이터를 기준으로 할 때 분류 기준이 충족되지 않습니다.

특정 표적장기 독성 (반복 노출)

사용 가능한 데이터를 기준으로 할 때 분류 기준이 충족되지 않습니다.

흡인 유해성

제품/성분: hydrogen peroxide
사용 가능한 데이터를 기준으로 할 때 분류 기준이 충족되지 않습니다.

만성 징후와 증상

알려진 바 없습니다.

12: 환경에 미치는 영향

12.1. 독성

제품/성분: hydrogen peroxide
생물종: 물고기, Pimephales promelas
기간: 96 시간
시험: LC50
결과: 16,4 mg/L

제품/성분: hydrogen peroxide
생물종: 물고기, Leuciscus idus
기간: 72 시간
시험: LC50
결과: 35 mg/L

제품/성분: hydrogen peroxide
생물종: 물고기, Oncorhynchus mykiss
기간: 7 일
시험: LC50
결과: 38,5 mg/L

제품/성분: hydrogen peroxide
생물종: Daphnia pulex
기간: 48 시간

화학물질의 분류, 표시 및 물질안전보건자료에 관한 기준, 제10조 따름

시험: EC50
결과: 2,4 mg/L

제품/성분: hydrogen peroxide
생물종: Daphnia magna
기간: 24 시간
시험: EC50
결과: 7,7 mg/L

제품/성분: hydrogen peroxide
생물종: Skeletonema costatum
기간: 72 시간
시험: EC50
결과: 1,38 mg/L

제품/성분: hydrogen peroxide
시험 방법: OECD 209
생물종: 박테리아
환경: 활성 슬러지 플랜트
기간: 30 minutes
시험: EC50
결과: 466 mg/L

제품/성분: hydrogen peroxide
시험 방법: OECD 209
생물종: 박테리아
환경: 활성 슬러지 플랜트
기간: 3 시간
시험: EC50
결과: > 1.000 mg/L

제품/성분: 1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
생물종: 물고기
기간: 96 시간
시험: LC50
결과: >0.1-1 mg/L

제품/성분: 1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
생물종: 갑각류
기간: 48 시간
시험: EC50
결과: >0.1-1 mg/L

제품/성분: 1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
생물종: 조류(藻類)
기간: 72 시간
시험: EC50
결과: >0.1-1 mg/L

사용 가능한 데이터를 기준으로 할 때 분류 기준이 충족되지 않습니다.

12.2. 잔류성 및 분해성

제품/성분: Alcohol, C13, bran., EO, sulfate Na~
결과: > 60 %
결론: 쉽게 생분해 가능
시험: OECD 301 B

제품/성분: hydrogen peroxide
결론: 쉽게 생분해 가능

제품/성분	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
결과:	90%
결론:	쉽게 생분해 가능
시험:	OECD 302

12.3. 생물 농축성

제품/성분	hydrogen peroxide
LogKow:	-1,57
결론:	-

제품/성분	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
BCF:	2
LogKow:	1.45
결론:	생물축적 가능성이 낮음

12.4. 토양 이동성

자료 없음.

12.5. PBT(잔류성, 생물농축성, 독성) 및 vPvB(고잔류성, 고생물농축성) 평가 결과

이 혼합물/제품에는 PBT 및/또는 vPvB로 분류되는 기준을 충족하는 것으로 여겨지는 물질이 포함되어 있지 않습니다.

12.6. 기타 유해 영향

알려진 바 없습니다.

13: 폐기시 주의사항

폐기물 처리 방법

제품에는 위험 폐기물에 대한 규정이 적용되지 않습니다.

특정 라벨링

포장

제품의 잔류물이 포함된 포장은 제품과 유사하게 폐기해야 합니다.

14: 운송에 필요한 정보

	14.1 UN번호	14.2 적정 선적명	14.3 범주	14.4 PG*	14.5 Env**	그 밖의 참고 사항:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* 포장 그룹

** 환경 유해성

추가 정보

ADR, IATA 및 IMDG에 따른 위험물이 아닙니다.

14.6. 사용자가 운송 또는 운송 수단에 관련해 알 필요가 있거나 필요한 특별한 안전 대책 해당사항 없음.

14.7. MARPOL 부록 II 및 IBC 코드에 따른 벌크 운송 자료 없음.

15: 법적 규제현황

15.1. 물질 또는 혼합물에 관련된 안전, 보건 및 환경 규정/법률

▼적용에 대한 제한:

전문 사용자 전용.

특정 교육에 대한 요구:

특정한 요구 사항 없음.

추가 정보:

해당사항 없음.

중점관리물질:

구성 성분이 나와있지 않습니다

KECI:

Alcohol, C13, bran., EO, sulfate Na~ 가 나열되어 있습니다.

hydrogen peroxide 가 나열되어 있습니다.

1,2-benzisothiazol-3(2H)-one, 1,2-benzisothiazolin-3-one 가 나열되어 있습니다.

출처:

중점관리물질: 환경부 고시 제2022-79호

화학물질의 분류·표시 및 물질안전보건자료에 관한 기준 (고용노동부고시 제2023-9호)

15.2. 화학 물질 안전성 평가

아니오

16: 그 밖의 참고사항

섹션 3에 언급된 H-문구 전문

H271, 화재 또는 폭발을 일으킬 수 있음: 강산화제.

H302, 삼키면 유해함.

H314, 피부에 심한 화상과 눈 손상을 일으킴.

H315, 피부에 자극을 일으킴.

H318, 눈에 심한 손상을 일으킴.

H319, 눈에 심한 자극을 일으킴.

H332, 흡입하면 유해함.

H336, 졸음 또는 현기증을 일으킬 수 있음.

H412, 장기적인 영향에 의해 수생생물에게 유해함.

섹션 1에 언급된 식별된 사용의 전문

알려진 바 없습니다.

약어 및 두문자어

ADN = 내륙 수로에 의한 위험물 국제 운송에 관한 유럽 규정

ADR = 위험물 국제 도로 운송에 관한 유럽 협약

ATE = 급성 독성 추정

BCF = 생물농축 계수

CAS = 화학논문 초록 서비스

EINECS = 유럽 기존 상용 화학 물질 목록

GHS = 화학물질 분류 표시 국제조화시스템

IARC = 국제암연구기관

IATA = 국제항공운송 협회

IMDG = 국제해상위험물

KECI = 한국 기준 화학 물질 목록

LogPow = 옥탄올/물 분배 계수의 로그

MARPOL = 1978년 의정서에 의해 수정된 1973년 해양오염방지협약 ("Marpol" = 해양 오염)

MoE = 환경부공고

OECD = 경제협력개발기구

PBT = 잔류성, 생물농축성, 독성

RID = 위험물 국제 철도 운송에 관한 규정

RRN = REACH 등록 번호

SCL = 에는 특정 농도 한계(SCL)가 있습니다.

STEL = 단기 노출 한도

화학물질의 분류, 표시 및 물질안전보건자료에 관한 기준, 제10조 따름

STOT-RE = 특정 대상 장기 독성-반복 노출

STOT-SE = 특정 대상 장기 독성-단일 노출

TWA = 시간 가중 평균

UN = 국제연합

VOC = 휘발성 유기 화합물

vPvB = 고잔류성, 고생물농축성

추가 정보

해당사항 없음.

물질 안전 보건자료가 다음에 의해 확인됨

Quality & Compliance

그 밖의 참고사항

변경(마지막 필수 변경에 비례(SDS 버전의 첫 번째 암호, 섹션 1 참조))은 파란색 삼각형으로 표시됩니다.

이 물질 안전 보건자료의 정보는 이 특정 제품(섹션 1 참조)에만 적용되며 다른 화학물질/제품과 함께 사용하면 정확하지 않을 수 있습니다

이 물질 안전 보건자료는 실제 제품 사용자에게 전달하시길 권장합니다. 이 물질 안전 보건자료의 정보는 제품 사양으로 사용될 수 없습니다.

국가 언어 : KR-ko

SAFETY DATA SHEET

i.1 all-purpose cleaner FlexDose

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

SDS created for KUWAIT according to GHS

1.1. Product identifier

▼ *Trade name:*

i.1 all-purpose cleaner FlexDose

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses of the substance or mixture:

Washing and cleaning products (including solvent based products)

Restricted to professional users.

Uses advised against :

None known.

1.3. Details of the supplier of the safety data sheet

Company and address:

Hygeniq B.V.

Postbus 618

7500 AP Enschede

The Netherlands

+31 53 4282860

+31 53 5393865

www.hygeniq.com

E-mail:

info@hygeniq.com

SDS date:

27/06/2025

SDS Version:

2.0

Date of previous version:

02/06/2025 (1.0)

1.4. Emergency telephone number

Contact the local emergency services.

See section 4 "First aid measures".

SECTION 2: HAZARDS IDENTIFICATION

Classified according to GHS.

2.1. Classification of the substance or mixture

Skin Irrit. 3; H316, Causes mild skin irritation

2.2. Label elements

Hazard pictogram(s):

Not applicable.

Signal word:

Warning

Hazard statement(s):

Causes mild skin irritation (H316)

Precautionary statement(s):

General:

-

Prevention:

-

Response:

If skin irritation occurs: Get medical advice/attention. (P332+P313)

Storage:

-

Disposal:

-

Hazardous substances:

Does not contain any substances required to report

Additional labelling:

Not applicable.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable. This product is a mixture.

3.2. Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
Alcohol, C13, bran., EO, sulfate Na~	CAS No.: 150413-26-6 EC No.: 688-316-0	1-3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 3, H412	
hydrogen peroxide	CAS No.: 7722-84-1 EC No.: 231-765-0	1-3%	Ox. Liq. 1, H271 Acute Tox. 4, H302 Skin Corr. 1A, H314 (SCL: 70.00 %) Skin Corr. 1B, H314 (SCL: 50.00 %) Skin Irrit. 2, H315 (SCL: 35.00 %) Eye Dam. 1, H318 (SCL: 8.00 %) Eye Irrit. 2, H319 (SCL: 5.00 %) Acute Tox. 4, H332 STOT SE 3, H336 (SCL: 35.00 %)	
citroenzuurmonohydraat	CAS No.: 5949-29-1 EC No.: 611-842-9	<0.1%	Eye Irrit. 2, H319	

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information

-

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General information:

In the case of accident: Contact a doctor or casualty department – bring the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

Inhalation:

Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

Skin contact:

Remove contaminated clothing and shoes immediately. Ensure to wash exposed skin thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or thinners.

Eye contact:

If in eyes: Flush eyes with water or saline water (20-30 °C) for at least 5 minutes. Remove contact lenses. Seek medical assistance and continue flushing during transport.

Ingestion:

If the person is conscious, rinse the mouth with water and stay with the person. Never give the person anything to drink.

In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the person lean forward with head down to avoid inhalation of or choking on vomited material.

Burns:

Not applicable.

4.2. Most important symptoms and effects, both acute and delayed

None known.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

Information to medics

Bring this safety data sheet or the label from this product.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Not applicable.

5.2. Special hazards arising from the substance or mixture

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

Carbon oxides (CO / CO₂)

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact the national poisons emergency services in order to obtain further advice.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Contaminated areas may be slippery.

6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.

Keep unauthorized persons away from the spill

6.3. Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.
Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections

See section 13 "Disposal considerations" on handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Smoking, drinking and consumption of food is not allowed in the work area.

See section 8 "Exposure controls/personal protection" for information on personal protection.

7.2. Conditions for safe storage, including any incompatibilities

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Recommended storage material:

Keep only in original packaging.

Storage conditions:

Dry, cool and well ventilated

Incompatible materials:

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

No substances are listed with an occupational exposure limit.

8.2. Exposure controls

Apply general control to prevent unnecessary exposure

General recommendations:

Smoking, drinking and consumption of food is not allowed in the work area.

Exposure scenarios:

There are no exposure scenarios implemented for this product.

Exposure limits:

Occupational exposure limits have not been defined for the substances in this product.

Appropriate technical measures:

Apply standard precautions during use of the product. Avoid inhalation of vapours.

Hygiene measures:

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Pay special attention to hands, forearms and face.

Measures to avoid environmental exposure:

No specific requirements.

Individual protection measures, such as personal protective equipment

Generally:

Use only CE marked protective equipment.

Respiratory Equipment:

Type	Class	Colour	Standards	
No special when used as intended.				

Skin protection:

Recommended	Type/Category	Standards	
No special when used as intended.	-	-	

Hand protection:

Work situation	Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
	No special when used as intended	-	-	-	
In the event of prolonged exposure or high concentrations	Cotton/Latex	-	> 120	EN374-2, EN16523-1, EN388	

Eye protection:

Work situation	Type	Standards	
	No special when used as intended.	-	
In the event of prolonged exposure or high concentrations	Safety glasses with side shields.	EN166	

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Form:

Liquid

Colour:

Colourless

Odour:

Of perfume

Odour threshold (ppm):

No data available.

pH:

ca. 4.8

Density (g/cm³):

1.02 (20 °C)

Kinematic viscosity:

No data available.

Particle characteristics:

Does not apply to liquids.

Phase changes

Melting point/Freezing point (°C):

No data available.

Softening point/range (°C):

Does not apply to liquids.

Boiling point (°C):

No data available.

Vapour pressure:

No data available.

Relative vapour density:

No data available.

Decomposition temperature (°C):

No data available.

Evaporation rate (n-butylacetate = 100):

Data on fire and explosion hazards

Flash point (°C):

No data available.

Flammability (°C):

No data available.

Auto-ignition temperature (°C):

No data available.

Explosion limits (% v/v):

No data available.

Solubility

Solubility in water:

Completely soluble

n-octanol/water coefficient (LogKow):

No data available.

Solubility in fat (g/L):

No data available.

9.2. Other information

No data available.

Other physical and chemical parameters:

No data available.

Oxidizing properties:

No data available.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

10.2. Chemical stability

The product is stable under the conditions, noted in section 7 "Handling and storage".

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity

Product/substance	hydrogen peroxide
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	1.193 - 1.270 mg/L

According to GHS Rev. 8, 2019

Product/substance	hydrogen peroxide
Species:	Rabbit
Route of exposure:	Dermal
Test:	LD50
Result:	>2.000 (35% oplossing) mg/kg

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	500 mg/kg

Based on available data, the classification criteria are not met.

Skin corrosion/irritation

Product/substance	hydrogen peroxide
Result:	Adverse effect observed (Irritating)

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Test method:	OECD 404
Result:	Adverse effect observed (Irritating)

Based on available data, the classification criteria are not met.

Serious eye damage/irritation

Product/substance	hydrogen peroxide
Result:	Adverse effect observed (Causes serious eye damage)

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Test method:	OECD 405
Result:	Adverse effect observed (Causes serious eye damage)

Based on available data, the classification criteria are not met.

Respiratory sensitisation

Product/substance	hydrogen peroxide
Result:	No adverse effect observed (not sensitising)

Based on available data, the classification criteria are not met.

Skin sensitisation

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Test method:	OECD 429
Species:	Mouse
Result:	Adverse effect observed (sensitising)

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Test method:	OECD 406
Species:	Guinea pig
Result:	Adverse effect observed (sensitising)

Based on available data, the classification criteria are not met.

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Product/substance	hydrogen peroxide
Conclusion:	No adverse effect observed

Based on available data, the classification criteria are not met.

hydrogen peroxide has been classified by IARC as a group 3 carcinogen.

Reproductive toxicity

Product/substance	hydrogen peroxide
Conclusion:	No adverse effect observed

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Product/substance hydrogen peroxide

Based on available data, the classification criteria are not met.

Long term effects

None known.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Product/substance	hydrogen peroxide
Species:	Fish, Pimephales promelas
Duration:	96 hours
Test:	LC50
Result:	16,4 mg/L

Product/substance	hydrogen peroxide
Species:	Fish, Leuciscus idus
Duration:	72 hours
Test:	LC50
Result:	35 mg/L

Product/substance	hydrogen peroxide
Species:	Fish, Oncorhynchus mykiss
Duration:	7 days
Test:	LC50
Result:	38,5 mg/L

Product/substance	hydrogen peroxide
Species:	Daphnia pulex
Duration:	48 hours
Test:	EC50
Result:	2,4 mg/L

Product/substance	hydrogen peroxide
Species:	Daphnia magna
Duration:	24 hours
Test:	EC50
Result:	7,7 mg/L

Product/substance	hydrogen peroxide
Species:	Skeletonema costatum
Duration:	72 hours
Test:	EC50
Result:	1,38 mg/L

Product/substance	hydrogen peroxide
Test method:	OECD 209
Species:	Bacteria
Compartment:	Activated Sludge Plant
Duration:	30 minutes
Test:	EC50
Result:	466 mg/L

According to GHS Rev. 8, 2019

Product/substance	hydrogen peroxide
Test method:	OECD 209
Species:	Bacteria
Compartment:	Activated Sludge Plant
Duration:	3 hours
Test:	EC50
Result:	> 1.000 mg/L
Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Species:	Fish
Duration:	96 hours
Test:	LC50
Result:	>0.1-1 mg/L
Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Species:	Crustacean
Duration:	48 hours
Test:	EC50
Result:	>0.1-1 mg/L
Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Species:	Algae
Duration:	72 hours
Test:	EC50
Result:	>0.1-1 mg/L

Based on available data, the classification criteria are not met.

12.2. Persistence and degradability

Product/substance	Alcohol, C13, bran., EO, sulfate Na~
Result:	> 60 %
Conclusion:	Readily biodegradable
Test:	OECD 301 B

Product/substance	hydrogen peroxide
Conclusion:	Readily biodegradable

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Result:	90%
Conclusion:	Readily biodegradable
Test:	OECD 302

12.3. Bioaccumulative potential

Product/substance	hydrogen peroxide
LogKow:	-1,57
Conclusion:	-

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
BCF:	2
LogKow:	1.45
Conclusion:	Potential for bioaccumulation is low

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

12.6. Other adverse effects

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

Dispose of contents/container to an approved waste disposal plant.

Specific labelling

Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: TRANSPORT INFORMATION

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Packing group

** Environmental hazards

Additional information

Not dangerous goods according to ADR, IATA and IMDG.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

No data available.

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Restrictions for application:

Restricted to professional users.

Demands for specific education:

No specific requirements.

Additional information:

Not applicable.

Sources:

Globally Harmonized System of Classification and Labelling of Chemicals (GHS Rev. 8, 2019)

15.2. Chemical safety assessment

No

SECTION 16: OTHER INFORMATION

Full text of H-phrases as mentioned in section 3

H271, May cause fire or explosion; strong oxidiser.

H302, Harmful if swallowed.

H314, Causes severe skin burns and eye damage.

H315, Causes skin irritation.

H318, Causes serious eye damage.

H319, Causes serious eye irritation.
H332, Harmful if inhaled.
H336, May cause drowsiness or dizziness.
H412, Harmful to aquatic life with long lasting effects.

The full text of identified uses as mentioned in section 1

None known.

Abbreviations and acronyms

ACGIH = American Conference of Governmental Industrial Hygienists
ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway
ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
CAS = Chemical Abstracts Service
CERCLA = Comprehensive Environmental Response Compensation and Liability Act
DOT = Department of Transportation
EINECS = European Inventory of Existing Commercial chemical Substances
EPCRA = Emergency Planning and Community Right-To-Know Act
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
HCIS = Hazardous Chemical Information System
HNOC = Hazards Not Otherwise Classified
IARC = International Agency for Research on Cancer
IATA = International Air Transport Association
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
NFPA = National Fire Protection Association
NIOSH = National Institute for Occupational Safety and Health
OECD = Organisation for Economic Co-operation and Development
OSHA = Occupational Safety and Health Administration
PBT = Persistent, Bioaccumulative and Toxic
RCRA = Resource Conservation and Recovery Act
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
RRN = REACH Registration Number
SARA = Superfund Amendments and Reauthorization Act
SCL = A specific concentration limit.
STEL = Short-term exposure limits
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
STOT-SE = Specific Target Organ Toxicity - Single Exposure
TSCA = The Toxic Substances Control Act
TWA = Time weighted average
UN = United Nations
UVBC = Unknown or variable composition, complex reaction products or of biological materials
VOC = Volatile Organic Compound
vPvB = Very Persistent and Very Bioaccumulative

Additional information

Not applicable.

The safety data sheet is validated by

Quality & Compliance

Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

Country-language: KW-en

SAFETY DATA SHEET

i.1 all-purpose cleaner FlexDose

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

SDS created for the REPUBLIC OF NORTH MACEDONIA according to GHS

1.1. Product identifier

▼ *Trade name:*

i.1 all-purpose cleaner FlexDose

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses of the substance or mixture:

Washing and cleaning products (including solvent based products)

Restricted to professional users.

Uses advised against :

None known.

1.3. Details of the supplier of the safety data sheet

Company and address:

Hygeniq B.V.

Postbus 618

7500 AP Enschede

The Netherlands

+31 53 4282860

+31 53 5393865

www.hygeniq.com

E-mail:

info@hygeniq.com

SDS date:

27/06/2025

SDS Version:

2.0

Date of previous version:

02/06/2025 (1.0)

1.4. Emergency telephone number

Contact the local emergency services.

See section 4 "First aid measures".

SECTION 2: HAZARDS IDENTIFICATION

Classified according to GHS.

2.1. Classification of the substance or mixture

Skin Irrit. 3; H316, Causes mild skin irritation

2.2. Label elements

Hazard pictogram(s):

Not applicable.

Signal word:

Warning

Hazard statement(s):

Causes mild skin irritation (H316)

Precautionary statement(s):

General:

-

Prevention:

-

Response:

If skin irritation occurs: Get medical advice/attention. (P332+P313)

Storage:

-

Disposal:

-

Hazardous substances:

Does not contain any substances required to report

Additional labelling:

Not applicable.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable. This product is a mixture.

3.2. Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
Alcohol, C13, bran., EO, sulfate Na~	CAS No.: 150413-26-6 EC No.: 688-316-0	1-3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 3, H412	
hydrogen peroxide	CAS No.: 7722-84-1 EC No.: 231-765-0	1-3%	Ox. Liq. 1, H271 Acute Tox. 4, H302 Skin Corr. 1A, H314 (SCL: 70.00 %) Skin Corr. 1B, H314 (SCL: 50.00 %) Skin Irrit. 2, H315 (SCL: 35.00 %) Eye Dam. 1, H318 (SCL: 8.00 %) Eye Irrit. 2, H319 (SCL: 5.00 %) Acute Tox. 4, H332 STOT SE 3, H336 (SCL: 35.00 %)	
citroenzuurmonohydraat	CAS No.: 5949-29-1 EC No.: 611-842-9	<0.1%	Eye Irrit. 2, H319	

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information

-

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General information:

In the case of accident: Contact a doctor or casualty department – bring the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

Inhalation:

Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

Skin contact:

Remove contaminated clothing and shoes immediately. Ensure to wash exposed skin thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or thinners.

Eye contact:

If in eyes: Flush eyes with water or saline water (20-30 °C) for at least 5 minutes. Remove contact lenses. Seek medical assistance and continue flushing during transport.

Ingestion:

If the person is conscious, rinse the mouth with water and stay with the person. Never give the person anything to drink.

In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the person lean forward with head down to avoid inhalation of or choking on vomited material.

Burns:

Not applicable.

4.2. Most important symptoms and effects, both acute and delayed

None known.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

Information to medics

Bring this safety data sheet or the label from this product.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Not applicable.

5.2. Special hazards arising from the substance or mixture

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

Carbon oxides (CO / CO₂)

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact the national poisons emergency services in order to obtain further advice.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Contaminated areas may be slippery.

6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.

Keep unauthorized persons away from the spill

6.3. Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.
Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections

See section 13 "Disposal considerations" on handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Smoking, drinking and consumption of food is not allowed in the work area.

See section 8 "Exposure controls/personal protection" for information on personal protection.

7.2. Conditions for safe storage, including any incompatibilities

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Recommended storage material:

Keep only in original packaging.

Storage conditions:

Dry, cool and well ventilated

Incompatible materials:

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

No substances are listed with an occupational exposure limit.

8.2. Exposure controls

Apply general control to prevent unnecessary exposure

General recommendations:

Smoking, drinking and consumption of food is not allowed in the work area.

Exposure scenarios:

There are no exposure scenarios implemented for this product.

Exposure limits:

Occupational exposure limits have not been defined for the substances in this product.

Appropriate technical measures:

Apply standard precautions during use of the product. Avoid inhalation of vapours.

Hygiene measures:

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Pay special attention to hands, forearms and face.

Measures to avoid environmental exposure:

No specific requirements.

Individual protection measures, such as personal protective equipment

Generally:

Use only CE marked protective equipment.

Respiratory Equipment:

Type	Class	Colour	Standards	
No special when used as intended.				

Skin protection:

Recommended	Type/Category	Standards	
No special when used as intended.	-	-	

Hand protection:

Work situation	Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
	No special when used as intended	-	-	-	
In the event of prolonged exposure or high concentrations	Cotton/Latex	-	> 120	EN374-2, EN16523-1, EN388	

Eye protection:

Work situation	Type	Standards	
	No special when used as intended.	-	
In the event of prolonged exposure or high concentrations	Safety glasses with side shields.	EN166	

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Form:

Liquid

Colour:

Colourless

Odour:

Of perfume

Odour threshold (ppm):

No data available.

pH:

ca. 4.8

Density (g/cm³):

1.02 (20 °C)

Kinematic viscosity:

No data available.

Particle characteristics:

Does not apply to liquids.

Phase changes

Melting point/Freezing point (°C):

No data available.

Softening point/range (°C):

Does not apply to liquids.

Boiling point (°C):

No data available.

Vapour pressure:

No data available.

Relative vapour density:

No data available.

Decomposition temperature (°C):

No data available.

Evaporation rate (n-butylacetate = 100):

Data on fire and explosion hazards

Flash point (°C):

No data available.

Flammability (°C):

No data available.

Auto-ignition temperature (°C):

No data available.

Explosion limits (% v/v):

No data available.

Solubility

Solubility in water:

Completely soluble

n-octanol/water coefficient (LogKow):

No data available.

Solubility in fat (g/L):

No data available.

9.2. Other information

No data available.

Other physical and chemical parameters:

No data available.

Oxidizing properties:

No data available.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

10.2. Chemical stability

The product is stable under the conditions, noted in section 7 "Handling and storage".

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity

Product/substance	hydrogen peroxide
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	1.193 - 1.270 mg/L

According to GHS Rev. 8, 2019

Product/substance	hydrogen peroxide
Species:	Rabbit
Route of exposure:	Dermal
Test:	LD50
Result:	>2.000 (35% oplossing) mg/kg

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	500 mg/kg

Based on available data, the classification criteria are not met.

Skin corrosion/irritation

Product/substance	hydrogen peroxide
Result:	Adverse effect observed (Irritating)

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Test method:	OECD 404
Result:	Adverse effect observed (Irritating)

Based on available data, the classification criteria are not met.

Serious eye damage/irritation

Product/substance	hydrogen peroxide
Result:	Adverse effect observed (Causes serious eye damage)

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Test method:	OECD 405
Result:	Adverse effect observed (Causes serious eye damage)

Based on available data, the classification criteria are not met.

Respiratory sensitisation

Product/substance	hydrogen peroxide
Result:	No adverse effect observed (not sensitising)

Based on available data, the classification criteria are not met.

Skin sensitisation

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Test method:	OECD 429
Species:	Mouse
Result:	Adverse effect observed (sensitising)

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Test method:	OECD 406
Species:	Guinea pig
Result:	Adverse effect observed (sensitising)

Based on available data, the classification criteria are not met.

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Product/substance	hydrogen peroxide
Conclusion:	No adverse effect observed

Based on available data, the classification criteria are not met.

hydrogen peroxide has been classified by IARC as a group 3 carcinogen.

Reproductive toxicity

Product/substance	hydrogen peroxide
Conclusion:	No adverse effect observed

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Product/substance hydrogen peroxide

Based on available data, the classification criteria are not met.

Long term effects

None known.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Product/substance	hydrogen peroxide
Species:	Fish, Pimephales promelas
Duration:	96 hours
Test:	LC50
Result:	16,4 mg/L

Product/substance	hydrogen peroxide
Species:	Fish, Leuciscus idus
Duration:	72 hours
Test:	LC50
Result:	35 mg/L

Product/substance	hydrogen peroxide
Species:	Fish, Oncorhynchus mykiss
Duration:	7 days
Test:	LC50
Result:	38,5 mg/L

Product/substance	hydrogen peroxide
Species:	Daphnia pulex
Duration:	48 hours
Test:	EC50
Result:	2,4 mg/L

Product/substance	hydrogen peroxide
Species:	Daphnia magna
Duration:	24 hours
Test:	EC50
Result:	7,7 mg/L

Product/substance	hydrogen peroxide
Species:	Skeletonema costatum
Duration:	72 hours
Test:	EC50
Result:	1,38 mg/L

Product/substance	hydrogen peroxide
Test method:	OECD 209
Species:	Bacteria
Compartment:	Activated Sludge Plant
Duration:	30 minutes
Test:	EC50
Result:	466 mg/L

According to GHS Rev. 8, 2019

Product/substance	hydrogen peroxide
Test method:	OECD 209
Species:	Bacteria
Compartment:	Activated Sludge Plant
Duration:	3 hours
Test:	EC50
Result:	> 1.000 mg/L
Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Species:	Fish
Duration:	96 hours
Test:	LC50
Result:	>0.1-1 mg/L
Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Species:	Crustacean
Duration:	48 hours
Test:	EC50
Result:	>0.1-1 mg/L
Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Species:	Algae
Duration:	72 hours
Test:	EC50
Result:	>0.1-1 mg/L

Based on available data, the classification criteria are not met.

12.2. Persistence and degradability

Product/substance	Alcohol, C13, bran., EO, sulfate Na~
Result:	> 60 %
Conclusion:	Readily biodegradable
Test:	OECD 301 B

Product/substance	hydrogen peroxide
Conclusion:	Readily biodegradable

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Result:	90%
Conclusion:	Readily biodegradable
Test:	OECD 302

12.3. Bioaccumulative potential

Product/substance	hydrogen peroxide
LogKow:	-1,57
Conclusion:	-

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
BCF:	2
LogKow:	1.45
Conclusion:	Potential for bioaccumulation is low

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

12.6. Other adverse effects

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

Dispose of contents/container to an approved waste disposal plant.

Specific labelling

Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: TRANSPORT INFORMATION

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Packing group

** Environmental hazards

Additional information

Not dangerous goods according to ADR, IATA and IMDG.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

No data available.

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Restrictions for application:

Restricted to professional users.

Demands for specific education:

No specific requirements.

Additional information:

Not applicable.

Sources:

Globally Harmonized System of Classification and Labelling of Chemicals (GHS Rev. 8, 2019)

15.2. Chemical safety assessment

No

SECTION 16: OTHER INFORMATION

Full text of H-phrases as mentioned in section 3

H271, May cause fire or explosion; strong oxidiser.

H302, Harmful if swallowed.

H314, Causes severe skin burns and eye damage.

H315, Causes skin irritation.

H318, Causes serious eye damage.

H319, Causes serious eye irritation.
H332, Harmful if inhaled.
H336, May cause drowsiness or dizziness.
H412, Harmful to aquatic life with long lasting effects.

The full text of identified uses as mentioned in section 1

None known.

Abbreviations and acronyms

ACGIH = American Conference of Governmental Industrial Hygienists
ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway
ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
CAS = Chemical Abstracts Service
CERCLA = Comprehensive Environmental Response Compensation and Liability Act
DOT = Department of Transportation
EINECS = European Inventory of Existing Commercial chemical Substances
EPCRA = Emergency Planning and Community Right-To-Know Act
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
HCIS = Hazardous Chemical Information System
HNOC = Hazards Not Otherwise Classified
IARC = International Agency for Research on Cancer
IATA = International Air Transport Association
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
NFPA = National Fire Protection Association
NIOSH = National Institute for Occupational Safety and Health
OECD = Organisation for Economic Co-operation and Development
OSHA = Occupational Safety and Health Administration
PBT = Persistent, Bioaccumulative and Toxic
RCRA = Resource Conservation and Recovery Act
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
RRN = REACH Registration Number
SARA = Superfund Amendments and Reauthorization Act
SCL = A specific concentration limit.
STEL = Short-term exposure limits
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
STOT-SE = Specific Target Organ Toxicity - Single Exposure
TSCA = The Toxic Substances Control Act
TWA = Time weighted average
UN = United Nations
UVBC = Unknown or variable composition, complex reaction products or of biological materials
VOC = Volatile Organic Compound
vPvB = Very Persistent and Very Bioaccumulative

Additional information

Not applicable.

The safety data sheet is validated by

Quality & Compliance

Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

Country-language: MK-en

SAFETY DATA SHEET

i.1 all-purpose cleaner FlexDose

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

▼ *Trade name:*

i.1 all-purpose cleaner FlexDose

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses of the substance or mixture:

Washing and cleaning products (including solvent based products)
Restricted to professional users.

Uses advised against :

None known.

1.3. Details of the supplier of the safety data sheet

Company and address:

Hygeniq B.V.
Postbus 618
7500 AP Enschede
The Netherlands
+31 53 4282860
+31 53 5393865
www.hygeniq.com

E-mail:

info@hygeniq.com

Revision:

27/06/2025

SDS Version:

2.0

Date of previous version:

02/06/2025 (1.0)

1.4. Emergency telephone number

Emergency: 112 (24h service)
Hospital Malta Mater Dei, Medicines & Poisons information office: +356 2545 6508
See also section 4 "First aid measures".

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Not classified according to Regulation (EC) No. 1272/2008 (CLP).

2.2. Label elements

Hazard pictogram(s):

Not applicable.

Signal word:

Not applicable.

Hazard statement(s):

Not applicable.

Precautionary statement(s):

General:

-

Prevention:

-

Response:

-

Storage:

-

Disposal:

-

Hazardous substances:

Does not contain any substances required to report

Additional labelling:

EUH210, Safety data sheet available on request.

Labelling of contents according to Detergents Regulation (EC) No 648/2004 (applicable to packaging of detergents sold to the general public):

>5% - <15%

· Non-ionic surfactants

< 5%

· Anionic surfactants

· Oxygen-based bleaching Agents

· Perfumes

· Preservation agent (BENZISOTHIAZOLINONE)

2.3. Other hazards

Additional warnings:

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2023/707.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable. This product is a mixture.

3.2. Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
Alcohol, C13, bran., EO, sulfate Na~	CAS No.: 150413-26-6 EC No.: 688-316-0 REACH: Index No.:	1-3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 3, H412	
hydrogen peroxide	CAS No.: 7722-84-1 EC No.: 231-765-0 REACH: 01-2119485845-22-XXXX Index No.: 008-003-00-9	1-3%	Ox. Liq. 1, H271 Acute Tox. 4, H302 Skin Corr. 1A, H314 (SCL: 70.00 %) Skin Corr. 1B, H314 (SCL: 50.00 %) Skin Irrit. 2, H315 (SCL: 35.00 %) Eye Dam. 1, H318 (SCL: 8.00 %) Eye Irrit. 2, H319 (SCL: 5.00 %)	

			Acute Tox. 4, H332 STOT SE 3, H336 (SCL: 35.00 %)	
citroenzuurmonohydraat	CAS No.: 5949-29-1 EC No.: 611-842-9 REACH: 01-2119457026-42-XXXX Index No.:	<0.1%	Eye Irrit. 2, H319	
Disodium tin hexahydroxide	CAS No.: 12027-70-2 EC No.: 234-724-5 REACH: 01-2120770924-45-XXXX Index No.:	<0.05%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	[1]

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information

[1] European occupational exposure limit.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General information:

In the case of accident: Contact a doctor or casualty department – bring the label or this safety data sheet. The doctor can contact Hospital Malta Mater Dei, Medicines & Poisons information office: +356 2545 6508
Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

Inhalation:

Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

Skin contact:

Upon irritation: rinse with water. In the event of continued irritation, seek medical assistance.

Eye contact:

If in eyes: Flush eyes with water or saline water (20-30 °C) for at least 5 minutes. Remove contact lenses. Seek medical assistance and continue flushing during transport.

Ingestion:

If the person is conscious, rinse the mouth with water and stay with the person. Never give the person anything to drink.
In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the person lean forward with head down to avoid inhalation of or choking on vomited material.

Burns:

Not applicable.

4.2. Most important symptoms and effects, both acute and delayed

None known.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

Information to medics

Bring this safety data sheet or the label from this product.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Not applicable.

5.2. Special hazards arising from the substance or mixture

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

Carbon oxides (CO / CO₂)

5.3. Advice for firefighters

No specific requirements.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation, especially in confined areas.

Contaminated areas may be slippery.

6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.

Keep unauthorized persons away from the spill

6.3. Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections

See section 13 "Disposal considerations" on handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Smoking, drinking and consumption of food is not allowed in the work area.

See section 8 "Exposure controls/personal protection" for information on personal protection.

7.2. Conditions for safe storage, including any incompatibilities

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Recommended storage material:

Keep only in original packaging.

Storage conditions:

Dry, cool and well ventilated

Incompatible materials:

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Disodium tin hexahydroxide

Long term exposure limit (8 hours) (mg/m³): 2 (as Sn)

Protection Of The Health And Safety Of Workers From The Risks Related To Chemical Agents At Work Regulations, 5th September 2003 (Subsidiary Legislation 424.24)

DNEL

1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	0.345 mg/kg
Long term – Systemic effects - Workers	Dermal	966 µg/kg bw/day
Long term – Systemic effects - General population	Inhalation	1.2 mg/m ³
Long term – Systemic effects - Workers	Inhalation	6.81 mg/m ³

Disodium tin hexahydroxide

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	1.21 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	3.37 mg/kg bw/day
Long term – Systemic effects - General population	Inhalation	1.78 mg/m ³
Long term – Systemic effects - Workers	Inhalation	11.9 mg/m ³
Long term – Systemic effects - General population	Oral	1.21 mg/kg bw/day

hydrogen peroxide

Duration:	Route of exposure:	DNEL:
Long term – Local effects - General population	Inhalation	0,21 mg/m ³
Long term – Local effects - General population	Inhalation	210 µg/m ³
Long term – Local effects - Workers	Inhalation	1.4 mg/m ³
Short term – Local effects - General population	Inhalation	1.93 mg/m ³
Short term – Local effects - Workers	Inhalation	3 mg/m ³

PNEC

1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		4.03 µg/L
Freshwater sediment		49.9 µg/kg
Intermittent release (freshwater)		1.1 µg/L
Intermittent release (marine water)		110 ng/L
Marine water		403 ng/L
Marine water sediment		4.99 µg/kg
Sewage treatment plant		1.03 mg/L
Soil		3 mg/kg

Disodium tin hexahydroxide

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		33.1 µg/L
Freshwater sediment		1.395 mg/kg
Intermittent release (freshwater)		331 µg/L
Intermittent release (marine water)		33.1 µg/L
Marine water		3.31 µg/L
Marine water sediment		139.46 µg/kg
Sewage treatment plant		10 mg/L

hydrogen peroxide

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		0,0126 mg/L
Freshwater		12.6 µg/L
Freshwater sediment		0,047 mg/kg
Freshwater sediment		47 µg/kg
Intermittent release (freshwater)		13.8 µg/L
Marine water		0,047 mg/L
Marine water		12.6 µg/L
Marine water sediment		0,047 mg/L
Marine water sediment		47 µg/kg
Sewage treatment plant		4.66 mg/L
Sewage treatment plant		4.66 mg/L
Soil		0,023 mg/kg
Soil		2.3 µg/kg

8.2. Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

General recommendations:

Smoking, drinking and consumption of food is not allowed in the work area.

Exposure scenarios:

There are no exposure scenarios implemented for this product.

Exposure limits:

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

Appropriate technical measures:

The formation of vapours must be kept at a minimum and below current limit values (see above). Installation of a local exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure eyewash and emergency showers are clearly marked.

Apply standard precautions during use of the product. Avoid inhalation of vapours.

Hygiene measures:

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Pay special attention to hands, forearms and face.

Measures to avoid environmental exposure:

No specific requirements.

Individual protection measures, such as personal protective equipment

Generally:

Use only CE marked protective equipment.

Respiratory Equipment:

Type	Class	Colour	Standards	
No special when used as intended.				

Skin protection:

Recommended	Type/Category	Standards	
No special when used as intended.	-	-	

Hand protection:

Work situation	Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
	No special when used as intended	-	-	-	
In the event of prolonged exposure or high concentrations	Cotton/Latex	-	> 120	EN374-2, EN16523-1, EN388	

Eye protection:

Work situation	Type	Standards	
	No special when used as intended.	-	
In the event of prolonged exposure or high concentrations	Safety glasses with side shields.	EN166	

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state:

Liquid

Colour:

Colourless

Odour / Odour threshold:

Of perfume

pH:

ca. 4.8

Density (g/cm³):

1.02 (20 °C)

Kinematic viscosity:

No data available.

Particle characteristics:

Does not apply to liquids.

Phase changes

Melting point/Freezing point (°C):

No data available.

Softening point/range (°C):

Does not apply to liquids.

Boiling point (°C):

No data available.

Vapour pressure:

No data available.

Relative vapour density:

No data available.

Decomposition temperature (°C):

No data available.

Data on fire and explosion hazards

Flash point (°C):

No data available.

Flammability (°C):

No data available.

Auto-ignition temperature (°C):

No data available.

Lower and upper explosion limit (% v/v):

No data available.

Solubility

Solubility in water:

Completely soluble

n-octanol/water coefficient (LogKow):

No data available.

Solubility in fat (g/L):

No data available.

9.2. Other information

Other physical and chemical parameters:

No data available.

Oxidizing properties:

No data available.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

10.2. Chemical stability

The product is stable under the conditions, noted in section 7 "Handling and storage".

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Product/substance	hydrogen peroxide
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	1.193 - 1.270 mg/L

Product/substance	hydrogen peroxide
Species:	Rabbit
Route of exposure:	Dermal
Test:	LD50
Result:	>2.000 (35% oplossing) mg/kg

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Species:	Rat

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Route of exposure: Oral
Test: LD50
Result: 500 mg/kg

Based on available data, the classification criteria are not met.

Skin corrosion/irritation

Product/substance: hydrogen peroxide
Result: Adverse effect observed (Irritating)

Product/substance: 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Test method: OECD 404
Result: Adverse effect observed (Irritating)

Based on available data, the classification criteria are not met.

Serious eye damage/irritation

Product/substance: hydrogen peroxide
Result: Adverse effect observed (Causes serious eye damage)

Product/substance: 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Test method: OECD 405
Result: Adverse effect observed (Causes serious eye damage)

Based on available data, the classification criteria are not met.

Respiratory sensitisation

Product/substance: hydrogen peroxide
Result: No adverse effect observed (not sensitising)

Based on available data, the classification criteria are not met.

Skin sensitisation

Product/substance: 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Test method: OECD 429
Species: Mouse
Result: Adverse effect observed (sensitising)

Product/substance: 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Test method: OECD 406
Species: Guinea pig
Result: Adverse effect observed (sensitising)

Based on available data, the classification criteria are not met.

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Product/substance: hydrogen peroxide
Conclusion: No adverse effect observed

Based on available data, the classification criteria are not met.

Reproductive toxicity

Product/substance: hydrogen peroxide
Conclusion: No adverse effect observed

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Product/substance: hydrogen peroxide
Based on available data, the classification criteria are not met.

11.2. Information on other hazards

Long term effects

None known.

Endocrine disrupting properties

This mixture/product does not contain any substances known to have hormone-disrupting properties in relation to health.

Other information

hydrogen peroxide has been classified by IARC as a group 3 carcinogen.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Product/substance	hydrogen peroxide
Species:	Fish, Pimephales promelas
Duration:	96 hours
Test:	LC50
Result:	16,4 mg/L

Product/substance	hydrogen peroxide
Species:	Fish, Leuciscus idus
Duration:	72 hours
Test:	LC50
Result:	35 mg/L

Product/substance	hydrogen peroxide
Species:	Fish, Oncorhynchus mykiss
Duration:	7 days
Test:	LC50
Result:	38,5 mg/L

Product/substance	hydrogen peroxide
Species:	Daphnia pulex
Duration:	48 hours
Test:	EC50
Result:	2,4 mg/L

Product/substance	hydrogen peroxide
Species:	Daphnia magna
Duration:	24 hours
Test:	EC50
Result:	7,7 mg/L

Product/substance	hydrogen peroxide
Species:	Skeletonema costatum
Duration:	72 hours
Test:	EC50
Result:	1,38 mg/L

Product/substance	hydrogen peroxide
Test method:	OECD 209
Species:	Bacteria
Compartment:	Activated Sludge Plant
Duration:	30 minutes
Test:	EC50
Result:	466 mg/L

Product/substance	hydrogen peroxide
Test method:	OECD 209

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Species:	Bacteria
Compartment:	Activated Sludge Plant
Duration:	3 hours
Test:	EC50
Result:	> 1.000 mg/L

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Species:	Fish
Duration:	96 hours
Test:	LC50
Result:	>0.1-1 mg/L

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Species:	Crustacean
Duration:	48 hours
Test:	EC50
Result:	>0.1-1 mg/L

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Species:	Algae
Duration:	72 hours
Test:	EC50
Result:	>0.1-1 mg/L

Based on available data, the classification criteria are not met.

12.2. Persistence and degradability

Product/substance	Alcohol, C13, bran., EO, sulfate Na~
Result:	> 60 %
Conclusion:	Readily biodegradable
Test:	OECD 301 B

Product/substance	hydrogen peroxide
Conclusion:	Readily biodegradable

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Result:	90%
Conclusion:	Readily biodegradable
Test:	OECD 302

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

12.3. Bioaccumulative potential

Product/substance	hydrogen peroxide
LogKow:	-1,57
Conclusion:	-

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
BCF:	2
LogKow:	1.45
Conclusion:	Potential for bioaccumulation is low

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

12.6. Endocrine disrupting properties

This mixture/product does not contain any substances considered to have endocrine-disrupting properties in relation

to the environment.

12.7. Other adverse effects

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Product is covered by the regulations on hazardous waste. (*)

HP 4 - Irritant (skin irritation and eye damage)

Commission Regulation (EU) No 1357/2014 of 18 December 2014 on waste.

EWC code:

20 01 30

Detergents other than those mentioned in 20 01 29

Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: TRANSPORT INFORMATION

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Packing group

** Environmental hazards

Additional information

Not dangerous goods according to ADR, IATA and IMDG.

14.6. Special precautions for user

Not applicable.

14.7. Maritime transport in bulk according to IMO instruments

No data available.

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Restrictions for application:

Restricted to professional users.

Demands for specific education:

No specific requirements.

SEVESO - Categories / dangerous substances:

Not applicable.

Regulation on explosives precursors:

hydrogen peroxide (Annex I)

Labelling of contents according to Detergents Regulation (EC) No 648/2004:

>5% - <15%

· Non-ionic surfactants

< 5%

· Anionic surfactants

· Oxygen-based bleaching Agents

- Perfumes
- Preservation agent (BENZISOTHIAZOLINONE)

Additional information:

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

Sources:

Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents.
Commission Regulation (EU) No 1357/2014 of 18 December 2014 on waste.
Council Regulation (EC) No 2019/1148 on explosives precursors.
Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (CLP).
Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

15.2. Chemical safety assessment

No

SECTION 16: OTHER INFORMATION

Full text of H-phrases as mentioned in section 3

H271, May cause fire or explosion; strong oxidiser.
H302, Harmful if swallowed.
H314, Causes severe skin burns and eye damage.
H315, Causes skin irritation.
H318, Causes serious eye damage.
H319, Causes serious eye irritation.
H332, Harmful if inhaled.
H335, May cause respiratory irritation.
H336, May cause drowsiness or dizziness.
H412, Harmful to aquatic life with long lasting effects.

Abbreviations and acronyms

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway
ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
CAS = Chemical Abstracts Service
CE = Conformité Européenne (European conformity)
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
CSA = Chemical Safety Assessment
CSR = Chemical Safety Report
DMEL = Derived Minimal Effect Level
DNEL = Derived No Effect Level
EINECS = European Inventory of Existing Commercial chemical Substances
ES = Exposure Scenario
EUH statement = CLP-specific Hazard statement
EuPCS = European Product Categorisation System
EWC = European Waste Catalogue
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
GWP = Global warming potential
IARC = International Agency for Research on Cancer (IARC)
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)

OECD = Organisation for Economic Co-operation and Development
PBT = Persistent, Bioaccumulative and Toxic
PNEC = Predicted No Effect Concentration
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
RRN = REACH Registration Number
SCL = A specific concentration limit
SVHC = Substances of Very High Concern
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
STOT-SE = Specific Target Organ Toxicity - Single Exposure
TWA = Time weighted average
UN = United Nations
UVBC = Unknown or variable composition, complex reaction products or of biological materials
VOC = Volatile Organic Compound
vPvB = Very Persistent and Very Bioaccumulative

Additional information

Not applicable.

The safety data sheet is validated by

Quality & Compliance

Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

Country-language: MT-en

HELAIAN DATA KESELAMATAN

i.1 all-purpose cleaner FlexDose

BAHAGIAN 1: PENGENALAN BAHAN KIMIA DAN PEMBEKAL

1.1. Pengecam produk

▼ *Nama dagang:*

i.1 all-purpose cleaner FlexDose

1.2. Kegunaan yang disarankan bagi bahan dan sekatan penggunaan

Penggunaan bahan atau campuran yang dikenal pasti:

Detergen dan agen pembersih (termasuk yang berasaskan pelarut)
Terhad kepada pengguna profesional.

Penggunaan yang tidak disarankan:

Tidak diketahui.

1.3. Butiran pembekal helaian data keselamatan

Butiran syarikat:

Hygeniq B.V.

Lenteweg 15
7532 RV Enschede
Nederland
0534282860

E-mel:

info@hygeniq.com

Tarikh SDS:

27/06/2025

Versi SDS:

2.0

Tarikh Keluaran Terdahulu:

2/06/2025 (1.0)

1.4. Nombor telefon kecemasan

Pusat Racun Kebangsaan (Pulau Pinang): Tel: 04 657 0099 (Isnin-Jumaat 08:10pg - 5:10pg), Tel: 012 430 9499 (Isnin-Jumaat 5:10ptg-10:00mlm ; Hujung minggu & cuti umum 8.10pg - 5.10ptg)

Lihat seksyen 4: Langkah pertolongan cemas

BAHAGIAN 2: PENGENALAN BAHAYA

2.1. Klasifikasi bahan atau campuran

Tidak dikelaskan mengikut Tataamalan Industri pada Pengelasan Bahan Kimia dan Komunikasi Hazard (ICOP).

2.2. Unsur label

Piktogram bahaya:

Tidak berkenaan.

Kata isyarat:

Tidak berkenaan.

Pernyataan bahaya:

Berdasarkan Peraturan Keselamatan dan Kesihatan Pekerjaan (Klasifikasi, Pelabelan dan Lembaran Data Keselamatan Bahan Kimia Berbahaya) 2013

Tidak berkenaan.

Pernyataan berjaga-jaga:

Am:

-

Pencegahan:

-

Tindakbalas:

-

Penyimpanan:

-

Pelupusan:

-

Ramuan berbahaya:

Tidak mengandungi bahan yang diperlukan untuk dilaporkan

Pelabelan tambahan:

Tidak berkenaan.

BAHAGIAN 3: KOMPOSISI DAN MAKLUMAT MENGENAI RAMUAN BAHAN KIMIA BERBAHAYA

3.1. Bahan

Tidak berkenaan. Produk ini ialah sejenis campuran.

3.2. Campuran

Produk/bahan	Pengenal pasti	% w/w	Klasifikasi	Nota
Alcohol, C13, bran., EO, sulfate Na~	CAS: 150413-26-6 EC: 688-316-0	1-3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 3, H412	
hydrogen peroxide	CAS: 7722-84-1 EC: 231-765-0	1-3%	Ox. Liq. 1, H271 Acute Tox. 4, H302 Skin Corr. 1A, H314 (SCL: 70.00 %) Skin Corr. 1B, H314 (SCL: 50.00 %) Skin Irrit. 2, H315 (SCL: 35.00 %) Eye Dam. 1, H318 (SCL: 8.00 %) Eye Irrit. 2, H319 (SCL: 5.00 %) Acute Tox. 4, H332 STOT SE 3, H336 (SCL: 35.00 %)	
citroenzuurmonohydraat	CAS: 5949-29-1 EC: 611-842-9	<0.1%	Eye Irrit. 2, H319	

Lihat teks penuh frasa H dalam seksyen 16. Had pendedahan pekerjaan disenaraikan dalam seksyen 8, jika ini tersedia.

Maklumat lain

-

BAHAGIAN 4: LANGKAH-LANGKAH PERTOLONGAN CEMAS

4.1. Deskripsi langkah pertolongan cemas

Am:

Jika berlaku kemalangan: Hubungi doktor atau jabatan kecemasan - bawa label atau helaian data keselamatan ini. Hubungi doktor jika ragu-ragu mengenai keadaan orang yang cedera atau jika simptom tersebut berterusan. Jangan berikan air atau minuman lain kepada orang yang tidak sedarkan diri.

Penyedutan:

Sekiranya rasa tidak selesa: alihkan orang itu ke kawasan berudara segar.

Terkena kulit:

Apabila kerengsaan: bilas dengan air. Sekiranya kerengsaan berterusan, dapatkan bantuan perubatan.

Terkena mata:

Bilas perlahan-lahan dengan air suam. Tanggalkan sebarang kanta sentuh jika ini mudah dilakukan. Teruskan membilas. Sekiranya kerengsaan mata atau ketidakselesaan berterusan: Dapatkan bantuan perubatan.

Tertelan:

Bilas dan cuci mulut dengan teliti dan gunakan kuantiti air yang banyak. Sekiranya ketidakselesaan berterusan: dapatkan bantuan perubatan dan bawa data keselamatan ini.

Terbakar:

Tidak berkenaan.

4.2. Simptom dan kesan yang paling penting, kedua-dua akut dan tertunda

Tidak diketahui.

4.3. Indikasi bagi sebarang rawatan segera dan rawatan khas yang diperlukan

Rawat ia mengikut simptom.

Nota kepada doktor

Bawa helaian data keselamatan ini atau label

BAHAGIAN 5: LANGKAH-LANGKAH PEMADAMAN KEBAKARAN

5.1. Media pemadam kebakaran

Tidak berkenaan.

5.2. Bahaya khusus yang timbul daripada bahan atau campuran

Kebakaran akan mengakibatkan asap tebal. Pendedahan kepada produk pembakaran boleh membahayakan kesihatan anda. Bekas tertutup, yang terdedah kepada kebakaran, hendaklah disejukkan dengan menggunakan air. Jangan biarkan air pemadaman api masuk ke sistem kumbahan dan permukaan perairan berhampiran.

Jika produk terdedah kepada suhu tinggi, cth. jika berlaku kebakaran, sebatian penguraian berbahaya dihasilkan.

Iaitu:

Karbon oksida (CO / CO₂)

5.3. Nasihat untuk ahli bomba

Tiada keperluan khusus.

BAHAGIAN 6: LANGKAH-LANGKAH PELEPASAN TIDAK SENGAJA

6.1. Langkah berjaga-jaga peribadi, peralatan pelindung dan prosedur kecemasan

Pastikan pengudaraan yang mencukupi, terutamanya di kawasan tertutup. Kawasan tercemar mungkin licin.

6.2. Langkah berjaga-jaga alam sekitar

Elakkan pelepasan ke tasik, sungai, pembetung, dll.

Pastikan orang yang tidak dibenarkan berada jauh daripada tumpahan

6.3. Kaedah dan bahan bagi pembendungan dan pembersihan

Mengandungi dan mengumpul tumpahan dengan bahan penyerap yang tidak mudah terbakar cth. pasir, tanah, vermikulit atau tanah diatom dan diletakkan dalam bekas untuk dilupuskan mengikut peraturan tempatan. Sekiranya boleh, pembersihan hendaklah dilakukan dengan agen pembersihan biasa. Elakkan penggunaan pelarut.

6.4. Rujukan kepada seksyen lain

Lihat seksyen 13 untuk maklumat tambahan pembuangan.

Lihat seksyen 8 untuk maklumat kawalan pendedahan dan perlindungan diri.

BAHAGIAN 7: PENGENDALIAN DAN PENYIMPANAN

7.1. Langkah berjaga-jaga bagi pengendalian selamat

Merokok, minum dan makan adalah tidak dibenarkan di kawasan kerja.

Lihat seksyen "Kawalan pendedahan dan perlindungan diri" untuk maklumat mengenai perlindungan peribadi.

7.2. Keadaan bagi penyimpanan yang selamat, termasuk apa-apa ketakserasian

Bahan penyimpanan yang disyorkan:

Pastikan bahan disimpan hanya di dalam bekas asal.

Keadaan penyimpanan:

Kering, sejuk dan pengudaraan yang baik

Bahan tidak serasi:

Asid yang kuat, asas yang kuat, agen pengoksidaan kuat, dan agen pengurangan yang kuat.

7.3. Kegunaan akhir yang spesifik

Produk ini hanya boleh digunakan untuk aplikasi yang disebutkan dalam seksyen 1.2

BAHAGIAN 8: KAWALAN PENDEDAHAN DAN PERLINDUNGAN DIRI

8.1. Parameter kawalan

hydrogen peroxide

Had pendedahan jangka panjang (8 jam) (ppm): 1

Had pendedahan jangka panjang (8 jam) (mg/m³): 1,4

PERATURAN-PERATURAN KESELAMATAN DAN KESIHATAN PEKERJAAN (PENGUNAAN DAN STANDARD PENDEDAHAN BAHAN KIMIA BERBAHAYA KEPADA KESIHATAN) 2000

8.2. Kawalan-kawalan pendedahan

Pematuhan nilai had pendedahan pekerjaan yang diberikan harus dikawal secara teratur.

Cadangan am:

Merokok, minum dan makan adalah tidak dibenarkan di kawasan kerja.

Senario pendedahan:

Tiada senario pendedahan yang dilaksanakan untuk produk ini.

Had pendedahan:

Pengguna profesional tertakluk kepada kepekatan maksimum yang sah untuk pendedahan pekerjaan. Lihat nilai had kebersihan pekerjaan di atas.

Kawalan kejuruteraan yang sesuai:

Pembentukan wap mesti dikekalkan pada paras minimum dan di bawah nilai had semasa (lihat di atas). Jika aliran udara biasa dalam bilik kerja tidak mencukupi, pemasangan suatu sistem ekzos setempat adalah disyorkan.

Pastikan bahawa pencuci mata dan pancuran kecemasan ditandakan dengan jelas.

Ambil langkah berjaga-jaga yang biasa semasa penggunaan produk. Elakkan penyedutan wap.

Langkah-langkah kebersihan:

Basuh tangan selepas digunakan.

Kawalan pendedahan alam sekitar:

Tiada keperluan khusus.

Langkah perlindungan individu, seperti PPE

Berdasarkan Peraturan Keselamatan dan Kesihatan Pekerjaan (Klasifikasi, Pelabelan dan Lembaran Data Keselamatan Bahan Kimia Berbahaya) 2013

Am:

Gunakan peralatan perlindungan bertanda CE.

Perlindungan pernafasan:

Jenis	Kelas	Warna	Standard	
Tidak khas apabila digunakan seperti yang dimaksudkan				

Perlindungan kulit:

Disyorkan	Jenis / Kategori	Standard	
Tidak khas apabila digunakan seperti yang dimaksudkan	-	-	

Perlindungan tangan:

Situasi kerja	Bahan	Ketebalan sarung tangan (mm)	Masa penembusan (min.)	Standard	
	Tidak khas apabila digunakan seperti yang dimaksudkan	-	-	-	
Jika pendedahan berpanjangan atau kepekatan tinggi	Kapas/Lateks	-	> 120	EN374-2, EN16523-1, EN388	

Perlindungan mata/muka:

Situasi kerja	Jenis	Standard	
	Tidak khas apabila digunakan seperti yang dimaksudkan	-	
Jika pendedahan berpanjangan atau kepekatan tinggi	Kaca mata keselamatan dengan pelindung sisi	EN166	

BAHAGIAN 9: SIFAT FIZIKAL DAN KIMIA

9.1. Maklumat tentang sifat fizikal dan kimia asas

Rupa:

Cecair

Warna:

Nir-warna

Bau:

Minyak wangi

Ambang bau (ppm):

Tiada data yang tersedia.

pH:

ca. 4.8

Ketumpatan (g/cm³):

1.02 (20 °C)

Kelikatan:

Tiada data yang tersedia.

Ciri-ciri zarah:

Tidak digunakan pada cecair

Fasa perubahan

Takat lebur/takat beku (°C):

Tiada data yang tersedia.

Titik lebur/julat (°C):

Tidak digunakan pada cecair

Titik didih/julat didih (°C):

Tiada data yang tersedia.

Tekanan Wap:

Tiada data yang tersedia.

Ketumpatan Wap:

Tiada data yang tersedia.

Suhu pereputan (°C):

Tiada data yang tersedia.

Kadar Penyejatan:

Data mengenai bahaya kebakaran dan letupan

Takat kilat (°C):

Tiada data yang tersedia.

Titik pencucuhan (°C):

Tiada data yang tersedia.

Suhu penyalaan automatik (°C):

Tiada data yang tersedia.

Had mudah meletup (mudah menyala) bawah dan atas (% v/v):

Tiada data yang tersedia.

Keterlarutan

Kelarutan dalam air:

Larut sepenuhnya

Pekali Sekatan (LogKow):

Tiada data yang tersedia.

Kelarutan dalam lemak (g/L):

Tiada data yang tersedia.

9.2. Maklumat lain

Parameter fizikal dan kimia yang lain:

Tiada data yang tersedia.

Sifat pengoksidaan:

Tiada data yang tersedia.

BAHAGIAN 10: KESTABILAN DAN KEREAKTIFAN

10.1. Kereaktifan

Tiada data yang tersedia.

10.2. Kestabilan kimia

Produk ini stabil di bawah keadaan, yang disebut dalam seksyen 7 "Pengendalian dan penyimpanan".

10.3. Kemungkinan tindak balas berbahaya

Tidak diketahui.

10.4. Keadaan yang perlu dielak

Tidak diketahui.

10.5. Bahan yang tidak serasi

Berdasarkan Peraturan Keselamatan dan Kesihatan Pekerjaan (Klasifikasi, Pelabelan dan Lembaran Data Keselamatan Bahan Kimia Berbahaya) 2013

Asid yang kuat, asas yang kuat, agen pengoksidaan kuat, dan agen pengurangan yang kuat.

10.6. Produk penguraian berbahaya

Dalam keadaan penyimpanan dan penggunaan yang biasa, produk penguraian berbahaya tidak boleh dihasilkan.

BAHAGIAN 11: MAKLUMAT TOKSIKOLOGI

11.1. Maklumat tentang kesan toksikologi

Ketoksikan akut

Produk/bahan	hydrogen peroxide
Spesis:	Tikus
Laluan pendedahan:	Oral
Ujian:	LD50
Keputusan:	1.193 - 1.270 mg/L

Produk/bahan	hydrogen peroxide
Spesis:	Arnab
Laluan pendedahan:	Kulit
Ujian:	LD50
Keputusan:	>2.000 (35% oplossing) mg/kg

Produk/bahan	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Spesis:	Tikus
Laluan pendedahan:	Oral
Ujian:	LD50
Keputusan:	500 mg/kg

Berdasarkan data yang ada, kriteria klasifikasi tidak dipenuhi.

Kakisan/kerengsaan Kulit

Produk/bahan	hydrogen peroxide
Keputusan:	Kesan buruk yang diperhatikan (Merengsakan)

Produk/bahan	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Kaedah ujian:	OECD 404
Keputusan:	Kesan buruk yang diperhatikan (Merengsakan)

Berdasarkan data yang ada, kriteria klasifikasi tidak dipenuhi.

Kerosakan/kerengsaan mata yang serius

Produk/bahan	hydrogen peroxide
Keputusan:	Kesan buruk yang diperhatikan (Menyebabkan kerosakan mata yang serius)

Produk/bahan	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Kaedah ujian:	OECD 405
Keputusan:	Kesan buruk yang diperhatikan (Menyebabkan kerosakan mata yang serius)

Berdasarkan data yang ada, kriteria klasifikasi tidak dipenuhi.

Pemekaan pernafasan

Produk/bahan	hydrogen peroxide
Keputusan:	Tiada kesan buruk yang diperhatikan (tidak memekatkan)

Berdasarkan data yang ada, kriteria klasifikasi tidak dipenuhi.

Pemekaan kulit

Produk/bahan	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Kaedah ujian:	OECD 429
Spesis:	Tikus
Keputusan:	Kesan buruk yang diperhatikan (memekatkan)

Produk/bahan	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Kaedah ujian:	OECD 406

Berdasarkan Peraturan Keselamatan dan Kesihatan Pekerjaan (Klasifikasi, Pelabelan dan Lembaran Data Keselamatan Bahan Kimia Berbahaya) 2013

Spesis: Argus
Keputusan: Kesan buruk yang diperhatikan (memekatkan)

Berdasarkan data yang ada, kriteria klasifikasi tidak dipenuhi.

Kemutagenan sel germa

Berdasarkan data yang ada, kriteria klasifikasi tidak dipenuhi.

Kekarsinogenan

Produk/bahan: hydrogen peroxide
Kesimpulan: Tiada kesan buruk yang diperhatikan

Berdasarkan data yang ada, kriteria klasifikasi tidak dipenuhi.
hydrogen peroxide : Bahan ini dikelaskan oleh IARC sebagai kumpulan 3.

Ketoksikan pembiakan

Produk/bahan: hydrogen peroxide
Kesimpulan: Tiada kesan buruk yang diperhatikan

Berdasarkan data yang ada, kriteria klasifikasi tidak dipenuhi.

Ketoksikan organ sasaran khusus (pendedahan tunggal)

Berdasarkan data yang ada, kriteria klasifikasi tidak dipenuhi.

Ketoksikan organ sasaran khusus (pendedahan berulang)

Berdasarkan data yang ada, kriteria klasifikasi tidak dipenuhi.

Bahaya aspirasi

Produk/bahan: hydrogen peroxide
Berdasarkan data yang ada, kriteria klasifikasi tidak dipenuhi.

Kesan Jangka Panjang

Tidak diketahui.

BAHAGIAN 12: MAKLUMAT EKOLOGI

12.1. Ketoksikan

Produk/bahan: hydrogen peroxide
Spesis: Ikan, Pimephales promelas
Tempoh: 96 jam
Ujian: LC50
Keputusan: 16,4 mg/L

Produk/bahan: hydrogen peroxide
Spesis: Ikan, Leuciscus idus
Tempoh: 72 jam
Ujian: LC50
Keputusan: 35 mg/L

Produk/bahan: hydrogen peroxide
Spesis: Ikan, Oncorhynchus mykiss
Tempoh: 7 hari
Ujian: LC50
Keputusan: 38,5 mg/L

Produk/bahan: hydrogen peroxide
Spesis: Daphnia pulex
Tempoh: 48 jam
Ujian: EC50
Keputusan: 2,4 mg/L

Produk/bahan: hydrogen peroxide
Spesis: Daphnia magna
Tempoh: 24 jam

Berdasarkan Peraturan Keselamatan dan Kesehatan Pekerjaan (Klasifikasi, Pelabelan dan Lembaran Data Keselamatan Bahan Kimia Berbahaya) 2013

Ujian: EC50
Keputusan: 7,7 mg/L

Produk/bahan: hydrogen peroxide
Spesis: Skeletonema costatum
Tempoh: 72 jam
Ujian: EC50
Keputusan: 1,38 mg/L

Produk/bahan: hydrogen peroxide
Kaedah ujian: OECD 209
Spesis: Bakteria
Persekitaran: Loji Enapcemar Diaktifkan
Tempoh: 30 minutes
Ujian: EC50
Keputusan: 466 mg/L

Produk/bahan: hydrogen peroxide
Kaedah ujian: OECD 209
Spesis: Bakteria
Persekitaran: Loji Enapcemar Diaktifkan
Tempoh: 3 jam
Ujian: EC50
Keputusan: > 1.000 mg/L

Produk/bahan: 1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Spesis: Ikan
Tempoh: 96 jam
Ujian: LC50
Keputusan: >0.1-1 mg/L

Produk/bahan: 1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Spesis: Krustasia
Tempoh: 48 jam
Ujian: EC50
Keputusan: >0.1-1 mg/L

Produk/bahan: 1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Spesis: Alga
Tempoh: 72 jam
Ujian: EC50
Keputusan: >0.1-1 mg/L

Berdasarkan data yang ada, kriteria klasifikasi tidak dipenuhi.

12.2. Ketegaran dan keterdegradan

Produk/bahan: Alcohol, C13, bran., EO, sulfate Na~
Keputusan: > 60 %
Kesimpulan: Mudah terbiodegradasi
Ujian: OECD 301 B

Produk/bahan: hydrogen peroxide
Kesimpulan: Mudah terbiodegradasi

Produk/bahan: 1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Keputusan: 90%
Kesimpulan: Mudah terbiodegradasi
Ujian: OECD 302

12.3. Keupayaan biopengumpulan

Produk/bahan: hydrogen peroxide

Berdasarkan Peraturan Keselamatan dan Kesihatan Pekerjaan (Klasifikasi, Pelabelan dan Lembaran Data Keselamatan Bahan Kimia Berbahaya) 2013

LogKow: -1,57
Kesimpulan: -

Produk/bahan 1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
BCF: 2
LogKow: 1.45
Kesimpulan: Potensi untuk biopengumpulan yang rendah

12.4. Mobiliti dalam tanah

Tiada data yang tersedia.

12.5. Keputusan taksiran PBT dan vPvB

Campuran/produk ini tidak mengandungi sebarang bahan yang dianggap memenuhi kriteria yang mengklasifikasikannya sebagai PBT dan/atau vPvB.

12.6. Kesan memudaratkan yang lain

Tidak diketahui.

BAHAGIAN 13: MAKLUMAT PELUPUSAN

Kaedah rawatan bahan buangan

Lupuskan kandungan/bekas ke ke loji pelupusan sisa yang diluluskan.

Pelabelan spesifik

Bahan Pembungkusan Tercemar

Pembungkusan yang mengandungi residu produk mesti dilupuskan sama dengan produk tersebut.

BAHAGIAN 14: MAKLUMAT PENGANGKUTAN

	14.1 No. U.N.	14.2 Nama penghantaran betul	14.3 Kelas	14.4 PG*	14.5 Env**	Maklumat lain:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Kumpulan Pembungkusan

** Bahaya Alam Sekitar

Maklumat tambahan

Barangan tidak berbahaya menurut ADR, IATA dan IMDG.

14.6. Langkah berjaga-jaga khas untuk pengguna

Tidak berkenaan.

14.7. Pengangkutan secara pukal menurut Lampiran II MARPOL dan Kod IBC

Tiada data yang tersedia.

BAHAGIAN 15: MAKLUMAT PENGAWALSELIAAN

15.1. Peraturan/undang-undang keselamatan, kesihatan dan alam sekitar yang khusus bagi bahan atau campuran

Sekatan untuk penggunaan:

Terhad kepada pengguna profesional.

Keperluan untuk pendidikan khusus:

Tiada keperluan khusus.

Berdasarkan Peraturan Keselamatan dan Kesihatan Pekerjaan (Klasifikasi, Pelabelan dan Lembaran Data Keselamatan Bahan Kimia Berbahaya) 2013

Kawalan terhadap bahaya kemalangan besar dalam perindustrian:

Tidak berkenaan.

Maklumat tambahan:

Tidak berkenaan.

Sistem Pengurusan Maklumat Kimia (CIMS):

hydrogen peroxide disenaraikan

1,2-benzisothiazol-3(2H)-one, 1,2-benzisothiazolin-3-one disenaraikan

Sumber:

AKTA KESELAMATAN DAN KESIHATAN PEKERJAAN 1994

Peraturan-peraturan Keselamatan dan Kesihatan Pekerjaan (Pengelasan, Pelabelan dan Lembaran Data Keselamatan Bahan Kimia Berbahaya) [2013 P.U. (A) 310.]

Tataamalan Industri pada Pengelasan Bahan Kimia dan Komunikasi Hazard (ICOP)

15.2. Penilaian keselamatan kimia

Tidak

BAHAGIAN 16: MAKLUMAT LAIN

Teks penuh frasa H seperti yang dinyatakan dalam seksyen 3

H271, Boleh menyebabkan kebakaran atau letupan; pengoksida kuat

H302, Memudaratkan jika tertelan.

H314, Menyebabkan lecuran kulit dan kerosakan mata yang teruk.

H315, Menyebabkan kerengsaan kulit.

H318, Menyebabkan kerosakan mata yang serius.

H319, Menyebabkan kerengsaan mata yang serius.

H332, Memudaratkan jika tertedut.

H336, Boleh menyebabkan mengantuk atau kepeningan.

H412, Memudaratkan kepada hidupan akuatik dengan kesan kekal berpanjangan.

Teks penuh penggunaan yang dikenalpasti seperti dinyatakan dalam seksyen 1

Tidak diketahui.

Singkatan dan akronim

ADN = Peruntukan Eropah mengenai Pengangkutan Barang Antarabangsa Berbahaya melalui Jalan Air Pedalaman

ADR = Perjanjian Eropah mengenai Pengangkutan Antarabangsa Barangan Berbahaya melalui Jalan Raya

ATE = Anggaran Ketoksikan Akut

BCF = Faktor Biokonsentrasi

CAS = Perkhidmatan Abstrak Kimia

EINECS = - Inventori Eropah Bagi Bahan Kimia Komersial Sedia Ada

GHS = Sistem Terharmoni Global Bagi Pengelasan dan Pelabelan Bahan Kimia

IARC = Agensi Antarabangsa Penyelidikan Mengenai Kanser

IATA = Persatuan Pengangkutan Udara Antarabangsa

IMDG = Barangan Berbahaya Maritim Antarabangsa

LogPow = logaritma pekali partisi oktanol/air

MARPOL = Konvensyen Antarabangsa untuk Pencegahan Pencemaran dari Kapal, 1973 seperti yang diubahsuai oleh Protokol 1978. ("Marpol" = pencemaran marin)

OECD = Pertubuhan Kerjasama Ekonomi dan Pembangunan

RID = Peraturan-peraturan bagi Pengangkutan Antarabangsa Barangan Berbahaya oleh Kereta Api

SCL = Mempunyai had kepekatan tertentu.

STEL = Had pendedahan jangka pendek

STOT-RE = Ketoksikan Organ Sasaran Khusus - Pendedahan Berulang

STOT-SE = Ketoksikan Organ Sasaran Khusus - Pendedahan Tunggal

TWA = Purata wajaran masa

UN = Bangsa-Bangsa Bersatu

VOC = Kompaun Organik Meruap

Maklumat tambahan

Tidak berkenaan.



Berdasarkan Peraturan Keselamatan dan Kesihatan Pekerjaan (Klasifikasi, Pelabelan dan Lembaran Data Keselamatan Bahan Kimia Berbahaya) 2013

Lembaran data keselamatan disahkan oleh

Quality & Compliance

Maklumat lain

Perubahan (berkadar dengan perubahan penting yang terakhir (sifer pertama dalam versi SDS, lihat seksyen 1)) ditandakan dengan segitiga.

Maklumat dalam helaian data keselamatan ini hanya terpakai kepada produk tertentu ini (disebutkan dalam seksyen 1) dan tidak semestinya betul jika digunakan dengan bahan kimia/produk lain.

Adalah disyorkan untuk menyerahkan helaian data keselamatan ini kepada pengguna produk yang sebenarnya.

Maklumat dalam helaian data keselamatan ini tidak boleh digunakan sebagai spesifikasi produk.

Negara-bahasa: MY-ms

VEILIGHEIDSINFORMATIEBLAD

i.1 all-purpose cleaner FlexDose

RUBRIEK 1: IDENTIFICATIE VAN DE STOF OF HET MENGSEL EN VAN DE VENNOOTSCHAP/ONDERNEMING

1.1. Productidentificatie

▼ *Handelsnaam:*

i.1 all-purpose cleaner FlexDose

1.2. Relevant geïdentificeerd gebruik van de stof of het mengsel en ontraden gebruik

Relevant geïdentificeerd gebruik van de stof of het mengsel:

Was- en reinigingsmiddelen (inclusief op oplosmiddelbasis)

Uitsluitend voor gebruik door professionele gebruiker.

Ontraden gebruik :

Niet bekend.

1.3. Details betreffende de verstrekker van het veiligheidsinformatieblad

Firmanaam en adres:

Hygeniq B.V.

Postbus 618

7500 AP Enschede

The Netherlands

+31 53 4282860

+31 53 5393865

www.hygeniq.com

E-mailadres:

info@hygeniq.com

Herziening:

27-06-2025

SDS-versie:

2.0

Datum vorige uitgave:

02-06-2025 (1.0)

1.4. Telefoonnummer voor noodgevallen

Bij ongeval met dit product neemt contact op met uw arts of de spoeddiensten van het plaatselijke ziekenhuis. Artsen en medisch personeel kunnen met NVIC contact opnemen: Tel: +31 (0)88 755 8000 (bereikbaar 24/7). Het telefoonnummer is uitsluitend bestemd om professionele hulpverleners te informeren bij acute vergiftigingen. Zie rubriek 4 over eerstehulpmaatregelen.

RUBRIEK 2: IDENTIFICATIE VAN DE GEVAREN

2.1. Indeling van de stof of het mengsel

Niet geclassificeerd volgens de Verordening (EG) Nr.1272/2008 (CLP).

2.2. Etiketteringselementen

Gevarenpictogram(men):

Niet van toepassing.

Signaalwoord:

Niet van toepassing.

Gevarenaanduidingen:

Niet van toepassing.

Veiligheidsaanbevelingen:

Algemeen:

-

Preventie:

-

Reactie:

-

Opslag:

-

Verwijdering:

-

Stoffen waarvoor meldingsplicht geldt:

Bevat geen informatieplichtige stoffen

Andere opmerkingen:

EUH210, Veiligheidsinformatieblad op verzoek verkrijgbaar.

Etikettering van de inhoud in overeenstemming met detergentiaverordening EG nr. 648/2004 (van toepassing op verpakkingen van wasmiddelen die aan het grote publiek worden verkocht):

>5% - <15%

· Niet-ionogene oppervlakteactieve stoffen

< 5%

· Anionogene oppervlakteactieve stoffen

· Zuurstofbleekmiddelen

· Parfums

· Conserveermiddel (BENZISOTHIAZOLINONE)

2.3. Andere gevaren

Overig:

Dit mengsel/product bevat geen stoffen die aan de criteria voldoen om ze als PBT en/of zPzB te classificeren.

Dit product bevat geen stoffen die worden beschouwd als hormoonverstorende stoffen volgens de criteria van Gedelegeerde Verordening (EU) 2017/2100 van de Commissie of Verordening (EU) 2023/707 van de Commissie.

RUBRIEK 3: SAMENSTELLING EN INFORMATIE OVER DE BESTANDDELEN

3.1. Stoffen

Niet van toepassing. Dit product is een mengsel.

3.2. Mengsels

Product / ingrediënt	Identificatiemogelijkheden	% w/w	Classificatie	Opm.
Alcohol, C13, bran., EO, sulfate Na~	CAS Nr.: 150413-26-6 EG Nr: 688-316-0 REACH: Catalogusnr.:	1-3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 3, H412	
waterstofperoxide	CAS Nr.: 7722-84-1 EG Nr: 231-765-0 REACH: 01-2119485845-22-XXXX Catalogusnr.: 008-003-00-9	1-3%	Ox. Liq. 1, H271 Acute Tox. 4, H302 Skin Corr. 1A, H314 (SCL: 70,00 %) Skin Corr. 1B, H314 (SCL: 50,00 %) Skin Irrit. 2, H315 (SCL: 35,00 %) Eye Dam. 1, H318 (SCL: 8,00 %)	

			Eye Irrit. 2, H319 (SCL: 5,00 %) Acute Tox. 4, H332 STOT SE 3, H336 (SCL: 35,00 %)	
citroenzuurmonohydraat	CAS Nr.: 5949-29-1 EG Nr: 611-842-9 REACH: 01-2119457026-42-XXXX Catalogusnr.:	<0.1%	Eye Irrit. 2, H319	
Disodium tin hexahydroxide	CAS Nr.: 12027-70-2 EG Nr: 234-724-5 REACH: 01-2120770924-45-XXXX Catalogusnr.:	<0.05%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	[1]

De volledige tekst van de gevarenaanduidingen staat in rubriek 16. Arbeidshygiënische grenswaarden zijn genoemd in rubriek 8, voor zover ze van toepassing zijn.

Andere informatie

[1] Europese grenswaarde voor beroepsmatige blootstelling.

RUBRIEK 4: EERSTEHULPMAATREGELEN

4.1. Beschrijving van de eerstehulpmaatregelen

Algemeen:

Bij ongelukken: Contacteer een arts of het : Tel: +31 (0)88 755 8000 (bereikbaar 24/7). Neem het etiket van het product of dit veiligheidsblad mee.
Het telefoonnummer is uitsluitend bestemd om professionele hulpverleners te informeren bij acute vergiftigingen. Bij aanhoudende symptomen of twijfel over de toestand van het slachtoffer moet er een arts ingeschakeld worden. Geef een bewusteloze persoon nooit water of iets dergelijks.

Bij inademen:

Als men moeilijkheden vaststelt tijdens de ademhaling of irritatie van de luchtwegen: Breng de persoon naar buiten en houd hem in de gaten.

Bij huidcontact:

Bij irritatie: Was het product eraf. Bij aanhoudende irritatie: Ga naar een arts.

Bij oogcontact:

Bij contact met de ogen: Spoel direct met water (20-30 °C) gedurende minstens 5 minuten. Verwijder eventuele contactlenzen. Ga naar de dokter.

Bij inslikken:

Als de persoon bij bewustzijn is, spoel dan de mond met water en blijf bij de persoon. Neem direct contact op met de dokter als de persoon zich niet goed voelt en neem dit veiligheidsblad mee of het etiket van het product. Lok het braken, niet uit, behalve als de arts dat adviseert. Laat het hoofd naar voor zakken zodat eventueel braaksel niet terugloopt in mond en hals.

Bij verbranding:

Niet van toepassing.

4.2. Belangrijkste acute en uitgestelde symptomen en effecten

Niet bekend.

4.3. Vermelding van eventueel noodzakelijke onmiddellijke medische verzorging en speciale behandeling

Symptomatisch behandelen.

Informatie voor de arts

Neem dit veiligheidsblad met of het etiket van het materiaal gegevens mee.

RUBRIEK 5: BRANDBESTRIJDINGSMAATREGELEN

5.1. Blusmiddelen

Niet van toepassing.

5.2. Speciale gevaren die door de stof of het mengsel worden veroorzaakt

Brand zal dichte rook ontwikkelen. Blootstelling aan afbraakproducten kan een gevaar voor de gezondheid opleveren. Gesloten houders die blootgesteld worden aan vuur, afkoelen met water. Laat het bluswater niet in riolering of waterleiding weglopen.

Als het product wordt blootgesteld aan hoge temperaturen, bv. in situaties van brand, kunnen er gevaarlijke afbraakproducten ontstaan. Deze zijn:

Carbonoxiden (CO / CO₂)

5.3. Advies voor brandweerlieden

Geen bijzondere eisen.

RUBRIEK 6: MAATREGELEN BIJ HET ACCIDENTEEL VRIJKOMEN VAN DE STOF OF HET MENGSEL

6.1. Persoonlijke voorzorgsmaatregelen, beschermingsmiddelen en noodprocedures

Zorg voor voldoende ventilatie, vooral in afgesloten ruimten.
Verontreinigde gebieden kunnen glad zijn.

6.2. Milieuvorzorgsmaatregelen

Voorkom weglopen naar meren, rivieren, riolering, e.d.
Houd onbevoegden uit de buurt van het gemorste product.

6.3. Insluitings- en reinigingsmethoden en -materiaal

Verzamel gemorst materiaal met onbrandbaar, absorberend materiaal, bijvoorbeeld zand, aarde, vermiculiet of diatomeeënaarde en doe het in een container voor verwijdering volgens de lokale voorschriften.
Schoonmaken wordt voor zover mogelijk met schoonmaakmiddelen gedaan. Vermijd oplosmiddelen.

6.4. Verwijzing naar andere rubrieken

Zie het rubriek "Instructies voor verwijdering" over hoe om te gaan met afval.
Zie het rubriek over 8 "Maatregelen ter beheersing van blootstelling/persoonlijke bescherming" voor beschermingsregelingen.

RUBRIEK 7: HANTERING EN OPSLAG

7.1. Voorzorgsmaatregelen voor het veilig hanteren van de stof of het mengsel

Roken, eten en drinken is niet toegestaan in arbeidslokalen.
Zie de rubriek "Maatregelen ter beheersing van blootstelling/persoonlijke bescherming" voor informatie over persoonlijke bescherming.

7.2. Voorwaarden voor een veilige opslag, met inbegrip van incompatibele producten

Containers die zijn geopend dienen zorgvuldig te worden afgesloten en rechtop te worden opgeslagen om lekkage te voorkomen.

Compatibele verpakkingen:

Uitsluitend in de oorspronkelijke verpakking bewaren.

Opslag condities:

Droog, koel en goed geventileerd

Chemisch op elkaar inwerkende materialen:

Sterke zuren, sterke basen, sterke oxidatiemiddelen en sterke reductiemiddelen.

7.3. Specifiek eindgebruik

Dit product mag alleen worden gebruikt voor de doeleinden zoals beschreven in rubriek 1.2.

RUBRIEK 8: MAATREGELEN TER BEHEERSING VAN BLOOTSTELLING/PERSOONLIJKE BESCHERMING

8.1. Controleparameters

2-(2-ethoxyethoxy)ethanol

Grenswaarde (TGG 8 uur) (mg/m³): 180

Opmerkingen:

H = Opgenomen via de huid.

Bijlage XIII behorend bij de Arbeidsomstandighedenregeling. Lijst van wettelijke grenswaarden.

DNEL

1,2-benzisothiazool-3(2H)-on; 1,2-benzisothiazoline-3-on

Duur:	Blootstellingsroute:	DNEL:
Lange termijn - Systemische effecten - Algehele populatie	Inademing	1.2 mg/m ³
Lange termijn - Systemische effecten - Arbeiders	Inademing	6.81 mg/m ³
Lange termijn - Systemische effecten - Algehele populatie	Via de huid	0.345 mg/kg
Lange termijn - Systemische effecten - Arbeiders	Via de huid	966 µg/kg bw/dag

2-(2-ethoxyethoxy)ethanol

Duur:	Blootstellingsroute:	DNEL:
Lange termijn - Lokale effecten - Algehele populatie	Inademing	18,3 mg/m ³
Lange termijn - Lokale effecten - Algehele populatie	Inademing	18 mg/m ³
Lange termijn - Lokale effecten - Arbeiders	Inademing	18 mg/m ³
Lange termijn - Lokale effecten - Arbeiders	Inademing	30 mg/m ³
Lange termijn - Systemische effecten - Arbeiders	Inademing	37 mg/m ³
Lange termijn - Systemische effecten - Arbeiders	Inademing	61 mg/m ³
Lange termijn - Systemische effecten - Algehele populatie	Oraal	25 mg/kg bw/dag
Lange termijn - Systemische effecten - Algehele populatie	Via de huid	25 mg/kg/d
Lange termijn - Systemische effecten - Arbeiders	Via de huid	50 mg/kg bw/dag
Lange termijn - Systemische effecten - Arbeiders	Via de huid	83 mg/kg/d

Disodium tin hexahydroxide

Duur:	Blootstellingsroute:	DNEL:
Lange termijn - Systemische effecten - Algehele populatie	Inademing	1.78 mg/m ³
Lange termijn - Systemische effecten - Arbeiders	Inademing	11.9 mg/m ³
Lange termijn - Systemische effecten - Algehele populatie	Oraal	1.21 mg/kg bw/dag
Lange termijn - Systemische effecten - Algehele populatie	Via de huid	1.21 mg/kg bw/dag
Lange termijn - Systemische effecten - Arbeiders	Via de huid	3.37 mg/kg bw/dag

waterstofperoxide

Duur:	Blootstellingsroute:	DNEL:
Korte termijn - Lokale effecten - Algehele populatie	Inademing	1.93 mg/m ³
Korte termijn - Lokale effecten - Arbeiders	Inademing	3 mg/m ³
Lange termijn - Lokale effecten - Algehele populatie	Inademing	0,21 mg/m ³
Lange termijn - Lokale effecten - Algehele populatie	Inademing	210 µg/m ³

Lange termijn - Lokale effecten - Arbeiders	Inademing	1.4 mg/m ³

PNEC

1,2-benzisothiazool-3(2H)-on; 1,2-benzisothiazoline-3-on

Blootstellingsroute:	Blootstellingsduur:	PNEC:
Aarde		3 mg/kg
Afvalwaterzuiveringsinstallatie		1.03 mg/L
Intermitterende vrijlating (zeewater)		110 ng/L
Intermitterende vrijlating (zoet water)		1.1 µg/L
Zeewater		403 ng/L
Zeewatersediment		4.99 µg/kg
Zoet water		4.03 µg/L
Zoetwatersediment		49.9 µg/kg

2-(2-ethoxyethoxy)ethanol

Blootstellingsroute:	Blootstellingsduur:	PNEC:
Aarde		0,15 mg/kg
Aarde		0.732 mg/kg
Aarde		0.34 mg/kg
Afvalwaterzuiveringsinstallatie		500 mg/L
Intermitterende vrijlating		10 mg/L
Intermitterende vrijlating (zoet water)		10 mg/L
Zeewater		0,074 mg/L
Zeewater		0.198 mg/L
Zeewatersediment		0,274 mg/kg
Zoet water		0,74 mg/L
Zoet water		1.98 mg/L
Zoetwatersediment		2,47 mg/kg
Zoetwatersediment		7.32 mg/kg

Disodium tin hexahydroxide

Blootstellingsroute:	Blootstellingsduur:	PNEC:
Afvalwaterzuiveringsinstallatie		10 mg/L
Intermitterende vrijlating (zeewater)		33.1 µg/L
Intermitterende vrijlating (zoet water)		331 µg/L
Zeewater		3.31 µg/L
Zeewatersediment		139.46 µg/kg
Zoet water		33.1 µg/L
Zoetwatersediment		1.395 mg/kg

waterstofperoxide

Blootstellingsroute:	Blootstellingsduur:	PNEC:
Aarde		0,023 mg/kg
Aarde		2.3 µg/kg
Afvalwaterzuiveringsinstallatie		4.66 mg/L
Afvalwaterzuiveringsinstallatie		4.66 mg/L

Intermitterende vrijlating (zoet water)		13.8 µg/L
Zeewater		0,047 mg/L
Zeewater		12.6 µg/L
Zeewatersediment		0,047 mg/L
Zeewatersediment		47 µg/kg
Zoet water		0,0126 mg/L
Zoet water		12.6 µg/L
Zoetwatersediment		0,047 mg/kg
Zoetwatersediment		47 µg/kg

8.2. Maatregelen ter beheersing van blootstelling

Naleving van de aangegeven grenswaarden dient regelmatig gecontroleerd te worden.

Algemene gedragslijnen:

Roken, eten en drinken is niet toegestaan in arbeidslokalen.

Blootstellingsscenario's:

Er zijn geen blootstellingsscenario's geïmplementeerd voor dit product.

Blootstellingslimieten:

Beroepsmatige gebruikers vallen onder de regels van de arbeidsomstandighedenwet betreffende maximum concentratie van exponering. Zie de arbeidshygiënische grenswaarden hierboven.

Technische maatregelen:

De ontwikkeling van dampen moet zo beperkt mogelijk blijven en in elk geval onder de aangegeven grenswaarden (zie hoger). Een lokaal afzuigsysteem is aan te raden als de ventilatie in het lokaal ontoereikend is. Zorg ervoor dat oogspoelmiddel en een doucheslang in geval van nood duidelijk aangegeven zijn.

Wees voorzichtig bij het gebruik van het product. Vermijd de inademing van dampen.

Hygiënische maatregelen:

Tijdens elke pauze in het gebruik van het product en na werktijd moeten geëxponeerde lichaamsdelen afgewassen worden. Let vooral op handen, onderarmen en gezicht.

Beheersing van milieublootstelling:

Geen bijzondere eisen.

Individuele beschermingsmaatregelen, zoals persoonlijke beschermingsmiddelen

Algemeen:

Gebruik alleen beschermingsapparatuur met het CE-keurmerk.

Luchtwegen:

Type	Klasse	Kleur	Standaard	
Geen bijzondere bij normaal doelbewust gebruik.				

Huid en lichaam:

Aanbevolen	Type/Categorie	Normen	
Geen bijzondere bij normaal doelbewust gebruik	-	-	

Handen:

Werksituatie	Materiaal	Minimale laagdikte (mm)	Doorbraaktijd (min.)	Normen	
	Geen bijzondere bij normaal doelbewust gebruik	-	-	-	

Werksituatie	Materiaal	Minimale laagdikte (mm)	Doorbraaktijd (min.)	Normen	
In het geval van een lange blootstelling of hoge concentraties	Katoen / Natuurlijk rubber (Latex)	-	> 120	EN374-2, EN16523-1, EN388	

Ogen:

Werksituatie	Type	Normen	
	Geen bijzondere bij normaal doelbewust gebruik.	-	
In het geval van een lange blootstelling of hoge concentraties	Draag een veiligheidsbril met zijstukken	EN166	

RUBRIEK 9: FYSISCH EN CHEMISCH EIGENSCHAPPEN

9.1. Informatie over fysische en chemische basiseigenschappen

Fysische toestand:

Vloeibaar

Kleur:

Kleurloos

Geur / Geurdrempelwaarde (ppm):

Van parfum

pH:

ca. 4.8

Soortelijk gewicht (g/cm³):

1,02 (20 °C)

Kinematische viscositeit:

Geen gegevens beschikbaar.

Deeltjeskenmerken:

Niet van toepassing op vloeistoffen.

Toestandsverandering en damp

Smeltpunt/vriespunt (°C):

Geen gegevens beschikbaar.

Verwekingspunt/verwekingstraject (°C):

Niet van toepassing op vloeistoffen.

Kookpunt (°C):

Geen gegevens beschikbaar.

Dampdruk:

Geen gegevens beschikbaar.

Relatieve dampdichtheid:

Geen gegevens beschikbaar.

Ontledingstemperatuur (°C):

Geen gegevens beschikbaar.

Data voor brand- en explosiegevaar

Vlampunt (°C):

Geen gegevens beschikbaar.

Ontvlambaarheid (°C):

Geen gegevens beschikbaar.

Zelfontbrandingstemperatuur (°C):

Geen gegevens beschikbaar.

Ontploffingsgrenzen (% v/v):

Geen gegevens beschikbaar.

Oplosbaarheid

Oplosbaarheid in water:

Volledig oplosbaar

n-octanol/water coëfficiënt (LogKow):

Geen gegevens beschikbaar.

Oplosbaarheid in vet (g/L):

Geen gegevens beschikbaar.

9.2. Overige informatie

Andere fysische en chemische parameters:

Geen gegevens beschikbaar.

Oxiderende eigenschappen:

Geen gegevens beschikbaar.

RUBRIEK 10: STABILITEIT EN REACTIVITEIT

10.1. Reactiviteit

Geen gegevens beschikbaar.

10.2. Chemische stabiliteit

Het product is stabiel onder de voorwaarden die genoemd zijn in de rubriek 7 "Hantering en opslag".

10.3. Mogelijke gevaarlijke reacties

Niet bekend.

10.4. Te vermijden omstandigheden

Niet bekend.

10.5. Chemisch op elkaar inwerkende materialen

Sterke zuren, sterke basen, sterke oxidatiemiddelen en sterke reductiemiddelen.

10.6. Gevaarlijke ontledingsproducten

Bij normale omstandigheden van opslag en gebruik, zouden gevaarlijke ontledingsproducten niet moeten worden geproduceerd.

RUBRIEK 11: TOXICOLOGISCHE INFORMATIE

11.1. Informatie over gevarenklassen als omschreven in Verordening (EG) nr. 1272/2008

Acute toxiciteit

Product / ingrediënt	2-(2-ethoxyethoxy)ethanol
Soorten:	Rat
Blootstellingsroute:	Inademing
Test:	LC0
Resultaat:	0,025 mg/L

Product / ingrediënt	2-(2-ethoxyethoxy)ethanol
Testmethode:	OESO 402
Soorten:	Konijn
Blootstellingsroute:	Via de huid
Test:	LD50
Resultaat:	9143 mg/kg

Product / ingrediënt	2-(2-ethoxyethoxy)ethanol
Soorten:	Muis

Blootstellingsroute: Oraal
Test: LD50
Resultaat: 6031 mg/kg

Product / ingrediënt: waterstofperoxide
Soorten: Rat
Blootstellingsroute: Oraal
Test: LD50
Resultaat: 1.193 - 1.270 mg/L

Product / ingrediënt: waterstofperoxide
Soorten: Konijn
Blootstellingsroute: Via de huid
Test: LD50
Resultaat: >2.000 (35% oplossing) mg/kg

Product / ingrediënt: 1,2-benzisothiazool-3(2H)-on; 1,2-benzisothiazoline-3-on
Soorten: Rat
Blootstellingsroute: Oraal
Test: LD50
Resultaat: 500 mg/kg

Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.

Huidcorrosie/-irritatie

Product / ingrediënt: 2-(2-ethoxyethoxy)ethanol
Resultaat: Geen schadelijke effecten waargenomen (Niet irriterend)

Product / ingrediënt: waterstofperoxide
Resultaat: Schadelijke effecten waargenomen (Irriterend)

Product / ingrediënt: 1,2-benzisothiazool-3(2H)-on; 1,2-benzisothiazoline-3-on
Testmethode: OESO 404
Resultaat: Schadelijke effecten waargenomen (Irriterend)

Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.

Ernstig oogletsel/oogirritatie

Product / ingrediënt: 2-(2-ethoxyethoxy)ethanol
Resultaat: Schadelijke effecten waargenomen (Licht irriterend)

Product / ingrediënt: waterstofperoxide
Resultaat: Schadelijke effecten waargenomen (Veroorzaakt ernstig oogletsel)

Product / ingrediënt: 1,2-benzisothiazool-3(2H)-on; 1,2-benzisothiazoline-3-on
Testmethode: OESO 405
Resultaat: Schadelijke effecten waargenomen (Veroorzaakt ernstig oogletsel)

Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.

Sensibilisatie van de luchtwegen

Product / ingrediënt: waterstofperoxide
Resultaat: Geen schadelijke effecten waargenomen (niet sensibiliserend)

Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.

Sensibilisatie van de huid

Product / ingrediënt: 1,2-benzisothiazool-3(2H)-on; 1,2-benzisothiazoline-3-on
Testmethode: OESO 429
Soorten: Muis
Resultaat: Schadelijke effecten waargenomen (sensibiliserend)

Product / ingrediënt: 1,2-benzisothiazool-3(2H)-on; 1,2-benzisothiazoline-3-on
Testmethode: OESO 406

Soorten: Cavia
Resultaat: Schadelijke effecten waargenomen (sensibiliserend)

Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.

Mutageniteit in geslachtscellen

Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.

Kankerverwekkend

Product / ingrediënt waterstofperoxide
Conclusie: Geen schadelijke effecten waargenomen

Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.

Giftigheid voor de voortplanting

Product / ingrediënt waterstofperoxide
Conclusie: Geen schadelijke effecten waargenomen

Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.

STOT bij eenmalige blootstelling

Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.

STOT bij herhaalde blootstelling

Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.

Gevaar bij inademing

Product / ingrediënt waterstofperoxide
Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.

11.2. Informatie over andere gevaren

Effecten op lange termijn

Niet bekend.

Hormoonontregelende eigenschappen

Dit mengsel/product bevat geen stoffen die worden beschouwd als het hebben van hormoonverstorende eigenschappen met betrekking tot de gezondheid.

Overige informatie

waterstofperoxide : De stof is geclassificeerd als groep 3 door IARC.

RUBRIEK 12: ECOLOGISCHE INFORMATIE

12.1. Toxiciteit

Product / ingrediënt 2-(2-ethoxyethoxy)ethanol
Soorten: Bacterie
Duur: 16 uur
Resultaat: > 5000 mg/L

Product / ingrediënt 2-(2-ethoxyethoxy)ethanol
Testmethode: OESO 201
Soorten: Algen, Desmodesmus subspicatus
Duur: 96 uur
Test: EC50
Resultaat: >100 mg/L

Product / ingrediënt 2-(2-ethoxyethoxy)ethanol
Testmethode: OESO 202
Soorten: Daphnia magna
Duur: 48 uur
Test: EC50
Resultaat: 1982 mg/L

Product / ingrediënt 2-(2-ethoxyethoxy)ethanol
Testmethode: OESO 203
Soorten: Vis, Ictalurus catus

Duur: 96 uur
Test: LC50
Resultaat: 6010 mg/L

Product / ingrediënt waterstofperoxide
Soorten: Vis, Pimephales promelas
Duur: 96 uur
Test: LC50
Resultaat: 16,4 mg/L

Product / ingrediënt waterstofperoxide
Soorten: Vis, Leuciscus idus
Duur: 72 uur
Test: LC50
Resultaat: 35 mg/L

Product / ingrediënt waterstofperoxide
Soorten: Vis, Oncorhynchus mykiss
Duur: 7 dagen
Test: LC50
Resultaat: 38,5 mg/L

Product / ingrediënt waterstofperoxide
Soorten: Daphnia pulex
Duur: 48 uur
Test: EC50
Resultaat: 2,4 mg/L

Product / ingrediënt waterstofperoxide
Soorten: Daphnia magna
Duur: 24 uur
Test: EC50
Resultaat: 7,7 mg/L

Product / ingrediënt waterstofperoxide
Soorten: Skeletonema costatum
Duur: 72 uur
Test: EC50
Resultaat: 1,38 mg/L

Product / ingrediënt waterstofperoxide
Testmethode: OESO 209
Soorten: Bacterie
Milieucompartiment: Geactiveerde slibinstallatie
Duur: 30 minuten
Test: EC50
Resultaat: 466 mg/L

Product / ingrediënt waterstofperoxide
Testmethode: OESO 209
Soorten: Bacterie
Milieucompartiment: Geactiveerde slibinstallatie
Duur: 3 uur
Test: EC50
Resultaat: > 1.000 mg/L

Product / ingrediënt 1,2-benzisothiazool-3(2H)-on; 1,2-benzisothiazoline-3-on
Soorten: Vis
Duur: 96 uur
Test: LC50
Resultaat: >0.1-1 mg/L

Product / ingrediënt	1,2-benzisothiazool-3(2H)-on; 1,2-benzisothiazoline-3-on
Soorten:	Schaaldier
Duur:	48 uur
Test:	EC50
Resultaat:	>0.1-1 mg/L

Product / ingrediënt	1,2-benzisothiazool-3(2H)-on; 1,2-benzisothiazoline-3-on
Soorten:	Algen
Duur:	72 uur
Test:	EC50
Resultaat:	>0.1-1 mg/L

Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.

12.2. Persistentie en afbreekbaarheid

Product / ingrediënt	2-(2-ethoxyethoxy)ethanol
Resultaat:	100 %
Conclusie:	Gemakkelijk biologisch afbreekbaar
Test:	OESO 301 B

Product / ingrediënt	Alcohol, C13, bran., EO, sulfates Na~
Resultaat:	> 60 %
Conclusie:	Gemakkelijk biologisch afbreekbaar
Test:	OESO 301 B

Product / ingrediënt	waterstofperoxide
Conclusie:	Gemakkelijk biologisch afbreekbaar

Product / ingrediënt	1,2-benzisothiazool-3(2H)-on; 1,2-benzisothiazoline-3-on
Resultaat:	90%
Conclusie:	Gemakkelijk biologisch afbreekbaar
Test:	OECD 302

De oppervlakteactieve stof(fen) in dit preparaat voldoet(n) aan de criteria voor biologische afbreekbaarheid zoals vastgelegd in Verordening (EG) nr. 648/2004 betreffende detergentia. Gegevens ter ondersteuning van deze bewering worden ter beschikking van de bevoegde autoriteiten van de lidstaten gehouden en zullen aan hen beschikbaar worden gesteld na een rechtstreeks verzoek of op verzoek van een producent van detergentia.

12.3. Bioaccumulatie

Product / ingrediënt	2-(2-ethoxyethoxy)ethanol
Conclusie:	Gemakkelijk biologisch afbreekbaar

Product / ingrediënt	2-(2-ethoxyethoxy)ethanol
Conclusie:	-

Product / ingrediënt	waterstofperoxide
LogKow:	-1,57
Conclusie:	-

Product / ingrediënt	1,2-benzisothiazool-3(2H)-on; 1,2-benzisothiazoline-3-on
BCF:	2
LogKow:	1.45
Conclusie:	Bioaccumulatievermogen is laag

12.4. Mobiliteit in de bodem

Geen gegevens beschikbaar.

12.5. Resultaten van PBT- en zPzB-beoordeling

Dit mengsel/product bevat geen stoffen die aan de criteria voldoen om ze als PBT en/of zPzB te classificeren.

12.6. Hormoonontregelende eigenschappen

Dit mengsel/product bevat geen stoffen die worden beschouwd als het hebben van endocrien-verstorende

eigenschappen met betrekking tot het milieu.

12.7. Andere schadelijke effecten

Niet bekend.

RUBRIEK 13: INSTRUCTIES VOOR VERWIJDERING

13.1. Afvalverwerkingsmethoden

Dit product valt onder de wetgeving inzake gevaarlijke afvalstoffen. (*)

HP 4 - Irriterend (huidirritatie en oogletsel)

Verordening (EU) Nr. 1357/2014 van de Commissie van 18 december 2014 betreffende afvalstoffen.

Euracode:

20 01 30

Niet onder 20 01 29 vallende detergenten

Verontreinigde emballage

Verpakking met restinhoud van het product wegwerken volgens dezelfde voorwaarden als het product.

RUBRIEK 14: INFORMATIE MET BETREKKING TOT HET VERVOER

	14.1 VN	14.2 Juiste ladingnaam van de VN	14.3 Transportgevaarklasse(n)	14.4 PG*	14.5. Env**	Andere informatie:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Verpakkingsgroep

** Milieugevaren

Overig

Geen gevaarlijke goederen volgens ADR, IATA en IMDG.

14.6. Bijzondere voorzorgen voor de gebruiker

Niet van toepassing.

14.7. Zeevervoer in bulk overeenkomstig IMO-instrumenten

Geen gegevens beschikbaar.

RUBRIEK 15: REGELGEVING

15.1. Specifieke veiligheids-, gezondheids- en milieureglementen en -wetgeving voor de stof of het mengsel

Beperkingen bij gebruik:

Uitsluitend voor gebruik door professionele gebruiker.

Eisen t.o.v. speciale opleidingen:

Geen bijzondere eisen.

SEVESO - Gevarencategorieën / Gevaarlijke stoffen:

Niet van toepassing.

Verordening van precursoren voor explosieven:

waterstofperoxide (Bijlage I)

Etikettering van de inhoud in overeenstemming met detergentiaverordening EG nr. 648/2004:

>5% - <15%

· Niet-ionogene oppervlakteactieve stoffen

< 5%

· Anionogene oppervlakteactieve stoffen

· Zuurstofbleekmiddelen

· Parfums

- Conserveermiddel (BENZISOTHIAZOLINONE)

Overig:

De oppervlakteactieve stof(fen) in dit preparaat voldoet(n) aan de criteria voor biologische afbreekbaarheid zoals vastgelegd in Verordening (EG) nr. 648/2004 betreffende detergentia. Gegevens ter ondersteuning van deze bewering worden ter beschikking van de bevoegde autoriteiten van de lidstaten gehouden en zullen aan hen beschikbaar worden gesteld na een rechtstreeks verzoek of op verzoek van een producent van detergentia.

Bronnen:

Verordening (EG) nr. 648/2004 van het Europees Parlement en de Raad van 31 maart 2004 betreffende detergentia.

Verordening (EU) Nr. 1357/2014 van de Commissie van 18 december 2014 betreffende afvalstoffen.

Verordening (EU) 2019/1148 van precursoren voor explosieven.

Verordening (EG) nr. 1272/2008 van het Europees Parlement en de Raad van 16 december 2008 betreffende de indeling, etikettering en verpakking van stoffen en mengsels (CLP).

Verordening (EG) nr. 1907/2006 van het Europees Parlement en de Raad van 18 december 2006 inzake de registratie en beoordeling van en de autorisatie en beperkingen ten aanzien van chemische stoffen (REACH).

15.2. Chemischeveiligheidsbeoordeling

Nee

RUBRIEK 16: OVERIGE INFORMATIE

De volledige tekst van de H-zinnen genoemd in rubriek 3

H271, Kan brand of ontploffingen veroorzaken; sterk oxiderend.

H302, Schadelijk bij inslikken.

H314, Veroorzaakt ernstige brandwonden en oogletsel.

H315, Veroorzaakt huidirritatie.

H318, Veroorzaakt ernstig oogletsel.

H319, Veroorzaakt ernstige oogirritatie.

H332, Schadelijk bij inademing.

H335, Kan irritatie van de luchtwegen veroorzaken.

H336, Kan slaperigheid of duizeligheid veroorzaken.

H412, Schadelijk voor in het water levende organismen, met langdurige gevolgen.

Afkortingen en acroniemen

ADN = Europese wetgeving met betrekking tot het vervoer van gevaarlijke goederen over binnewateren

ADR = Europese overeenkomst met betrekking tot het vervoer van gevaarlijke goederen over de weg

ATE = Acute toxiciteitsbeoordeling

BCF = Bioconcentratie Factor

CAS = Chemical Abstracts Service

CE = Conformité européenne

CLP = Indeling, etikettering en verpakking van stoffen en mengsels [Verordening (EG) No. 1272/2008]

CSA = Chemische Veiligheidsbeoordeling

CSR = rapporten over de chemische veiligheid (CSR - Chemical Safety Reports)

DNEL = De afgeleide dosis zonder effect

EAC = Europese Afval Catalogoog

EINECS = European INventory of Existing Commercial Substances

ES = blootstellingsscenario

EUH zin = CLP-specifieke gevaarszin

EuPCS = Europees productindelingssysteem

GHS = Globaal geharmoniseerd systeem voor indeling, kenmerking en etikettering van chemische stoffen en mengsels

GWP = Aardopwarmingsvermogen

IATA = Internationaal Lucht Transport Vereniging

IBC = Tussentijdse bulk container

IMDG = Internationaal Maritiem Transport voor Gevaarlijke goederen

LogPow = Logaritme van de octaan/water partitie coëfficiënt

MARPOL = Internationale conventie voor de preventie van vervuiling door schepen, 1973 en aangepast door het protocol van 1978. ("Marpol" = zee vervuiling)

OESO = Organisatie voor Economische Samenwerking en Ontwikkeling

PBT = Persistent, Bioaccumulatief en Toxisch
PNEC = Voorspelde geen effect concentratie
RID = Regelgeving met betrekking tot het vervoer van gevaarlijke goederen over het spoor
RRN = REACH registratie nummer
SCL = Specifieke concentratielimiet.
SVHC = Zeer zorgwekkende stoffen
STOT-RE = specifieke doelorgaantoxiciteit - herhaalde blootstelling
STOT-SE = specifieke doelorgaantoxiciteit - enkelvoudige blootstelling
TGG = Tijd gewogen gemiddelde
UVBC = Stoffen van onbekende of variabele samenstelling, complexe reactieproducten of biologische materialen.
VN = Verenigde Naties
VOS = Vluchtige Organische Stoffen
zPzB = zeer Persistent en zeer Bioaccumulatief

Overig

Niet van toepassing.

Het veiligheidsinformatieblad is gevalideerd door

Quality & Compliance

Overig

Veranderingen ten opzichte van de vorige belangrijke revisie (eerste cijfer in de SDS-versie, zie rubriek 1) van dit veiligheidsinformatieblad zijn gemarkeerd met een driehoek.
De inlichtingen in dit veiligheidsinformatieblad gelden alleen voor het product genoemd in rubriek 1 en hoeven niet te gelden bij gebruik samen met andere producten.
Het is aan te bevelen dit veiligheidsinformatieblad af te geven aan de eigenlijke gebruiker van het product. De genoemde informatie dient niet als productspecificatie.
Land-taal: NL-nl

SIKKERHETSDATABLAD

i.1 all-purpose cleaner FlexDose

AVSNITT 1: IDENTIFIKASJON AV STOFFET/STOFFBLANDINGEN OG AV SELSKAPET/FORETAKET

1.1. Produktidentifikator

▼ *Handelsnavn:*

i.1 all-purpose cleaner FlexDose

1.2. Relevante identifiserte bruksområder for stoffet eller stoffblandingen og bruk som frarådes

Aktuelle identifiserte anvendelser for stoffet eller blandingen:

Vaske- og rengjøringsmidler (inkludert løsemiddelbasert)
Bare for yrkesbrukere.

Ikke tilrådte anvendelser:

Ingen kjente

1.3. Opplysninger om leverandøren av sikkerhetsdatabladet

Selskapsopplysninger:

Hygeniq B.V.

Postbus 618
7500 AP Enschede
The Netherlands
+31 53 4282860
+31 53 5393865
www.hygeniq.com

E-post:

info@hygeniq.com

Revidert:

27.06.2025

SDS Versjon:

2.0

Dato for forrige utgave:

02.06.2025 (1.0)

1.4. Nødtelefonnummer

Nødsituasjon: Ring 113, be om giftinformasjonen. Åpent 24 timer i døgnet.
Giftinformasjonen på tlf.nr.: +47 22 59 13 00
Se avsnitt 4 om 'Førstehjelpstiltak'

AVSNITT 2: FAREIDENTIFIKASJON

2.1. Klassifisering av stoffet eller stoffblandingen

Ikke klassifisert i henhold til CLP-forskriften.

2.2. Merkingselementer

Farepiktogram:

Ikke relevant.

Varselord:

Ikke relevant.

Faresetninger:

Ikke relevant.

Sikkerhetssetning(er):

Generelt:

-

Forebygging:

-

Tiltak:

-

Oppbevaring:

-

Disponering:

-

Inneholder:

Inneholder ingen opplysningspliktige stoffer

Annen merkning:

EUH210, Sikkerhetsdatablad er tilgjengelig på anmodning.

Etikettering av innhold i overensstemmelse med produktforskriften (gjelder emballasje til vaskemidler som selges til allmennheten):

>5% - <15%

· Ikke-ioniske overflateaktive stoffer

< 5%

· Anioniske overflateaktive stoffer

· Oksygenbaserte blekemidler

· Parfyme

· Konserveringsmiddel (BENZISOTHIAZOLINONE)

2.3. Andre farer

Annet:

Blandingen/produktet inneholder ikke noen stoffer som oppfyller kriteriene som klassifiserer dem som PBT og/eller vPvB.

Produktet inneholder ingen stoffer som er vurdert til å være hormonforstyrrende i henhold til kriteriene i kommisjonens delegerte forordning (EU) 2017/2100 eller kommisjonsforordning (EU) 2023/707.

AVSNITT 3: SAMMENSETNING / OPPLYSNINGER OM BESTANDDELER

3.1. Stoffer

Ikke relevant. Dette produktet er en stoffblanding.

3.2. Stoffblandinger

Produkt/bestanddel	Identifikatorer	% w/w	Klassifisering	Anm.
Alcohol, C13, bran., EO, sulfate Na~	CAS-nr.: 150413-26-6 EF-nr.: 688-316-0 REACH: Indeksnr.:	1-3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 3, H412	
hydrogenperoksidløsning ... %	CAS-nr.: 7722-84-1 EF-nr.: 231-765-0 REACH: 01-2119485845-22-XXXX Indeksnr.: 008-003-00-9	1-3%	Ox. Liq. 1, H271 Acute Tox. 4, H302 Skin Corr. 1A, H314 (SCL: 70,00 %) Skin Corr. 1B, H314 (SCL: 50,00 %) Skin Irrit. 2, H315 (SCL: 35,00 %) Eye Dam. 1, H318 (SCL: 8,00 %)	

			Eye Irrit. 2, H319 (SCL: 5,00 %) Acute Tox. 4, H332 STOT SE 3, H336 (SCL: 35,00 %)	
citroenzuurmonohydraat	CAS-nr.: 5949-29-1 EF-nr.: 611-842-9 REACH: 01-2119457026-42-XXXX Indeksnr.:	<0.1%	Eye Irrit. 2, H319	
Disodium tin hexahydroxide	CAS-nr.: 12027-70-2 EF-nr.: 234-724-5 REACH: 01-2120770924-45-XXXX Indeksnr.:	<0.05%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	[1]

Se avsnitt 16 for de fullstendige H-setningene det vises til ovenfor. Tiltaks- og grenseverdier, hvis tilgjengelig, er oppført i avsnitt 8.

Annen informasjon

[1] EU har en veiledende grenseverdi for stoffet.

AVSNITT 4: FØRSTEHJELPSTILTAK

4.1. Beskrivelse av førstehjelpstiltak

Generelt:

Ved uhell: Kontakt lege eller legevakt - ta med etiketten eller dette sikkerhetsdatabladet.

Ved vedvarende symptomer eller ved tvil om den skaddes tilstand skal det søkes legehjelp. Gi aldri en bevisstløs person vann eller lignende.

Innånding:

Ved pustevansker eller irritasjon i luftveiene: Ta personen ut i frisk luft og hold personen under oppsyn.

Hudkontakt:

Ved irritasjon: vask av produktet. Ved fortsatt irritasjon: Oppsøk lege.

Øyekontakt:

Ved kontakt med øynene: Skyll straks med vann (20-30 °C) i minst 5 minutter. Fjern evt. kontaktlinser. Oppsøk lege.

Svelging:

Hvis personen er ved bevissthet, skyll munnen med vann og hold personen under oppsyn. Gi aldri personen noe å drikke.

Ved illebefinnende: Kontakt lege omgående og ta med dette sikkerhetsdatabladet eller etiketten fra produktet. Ikke fremkall brekninger, med mindre legen anbefaler det. Senk hodet, slik at evt. oppkast ikke vil renne ned i munnen og halsen.

Forbrenning:

Ikke relevant.

4.2. De viktigste symptomene og virkningene, både akutte og forsinkede

Ingen kjente

4.3. Angivelse av om umiddelbar legehjelp og spesialbehandling er nødvendig

Behandles symptomatisk.

Merknader til lege

Ta med dette sikkerhetsdatabladet eller etiketten fra materialet.

AVSNITT 5: BRANNSLOKKINGSTILTAK

5.1. Slokkingsmidler

Ikke relevant.

5.2. Særlige farer knyttet til stoffet eller stoffblandingen

Brann vil utvikle tett røyk. Det kan utgjøre helsefare å bli utsatt for nedbrytningsprodukter. Lukkede beholdere som utsettes for ild, avkjøles med vann. La ikke vann fra brannslukking renne ut i kloakk og vannløp.
Hvis produktet utsettes for høye temperaturer, f.eks. i tilfelle brann, kan det dannes farlige nedbrytningsprodukter.
Disse er:
Karbonoksider (CO / CO₂)

5.3. Råd til brannmannskaper

Ingen spesielle krav.

AVSNITT 6: TILTAK VED UTILSIKTEDE UTSLIPP

6.1. Personlige forsiktighetsregler, personlig verneutstyr og nødrutiner

Sørg for egnet ventilasjon, spesielt i lukkede områder.
Områder med spill kan være glatte.

6.2. Forsiktighetsregler med hensyn til miljø

Unngå utledning til sjøer, bekker, kloakker mm.
Hold uvedkommende borte fra fareområdet.

6.3. Metoder og materialer for oppsamling og rensing

Utslipp begrenses og samles opp med brannfast, absorberende materiale som f.eks. sand, jord, vermikulitt eller kiselgur og has i en beholder for forskriftsmessig avfallshåndtering.
Rengjøring foretas så langt som det er mulig med rengjøringsmidler. Løsemidler bør unngås.

6.4. Henvisning til andre avsnitt

Se avsnitt 13 "Sluttbehandling" om håndtering av avfall.
Se avsnitt 8 "Eksponeringskontroll/personlig verneutstyr" for beskyttelsesforanstaltninger.

AVSNITT 7: HÅNTERING OG LAGRING

7.1. Forsiktighetsregler for sikker håndtering

Røking, inntak av mat og drikke er ikke tillatt i arbeidsområdet.
Se avsnitt 8 'Eksponeringskontroll / personlig verneutstyr' for opplysning om personlig beskyttelse.

7.2. Vilkår for sikker lagring, herunder eventuelle uforenligheter

Åpnede beholdere må lukkes forsvarlig og oppbevares stående for å unngå lekkasje.

Egnet emballasje:

Oppbevares bare i originalemballasjen.

Oppbevaringsbetingelser:

Tørt, kjølig og godt ventilert

Uforenlige materialer:

Sterke syrer, sterke baser, sterke oksideringsmidler og sterke reduksjonsmidler.

7.3. Særlig(e) sluttanvendelse(r)

Dette produktet bør bare brukes til formål som beskrevet i avsnitt 1.2.

AVSNITT 8: EKSPONERINGSKONTROLL / PERSONLIG VERNEUTSTYR

8.1. Kontrollparametere

hydrogenperoksidløsning ... %
Grenseverdi (8 timer) (mg/m³): 1,4
Grenseverdi (8 timer) (ppm): 1

Forskrift om tiltaksverdier og grenseverdier for fysiske og kjemiske faktorer i arbeidsmiljøet samt smitterisikogrupper for biologiske faktorer (forskrift om tiltaks- og grenseverdier). FOR-2011-12-06-1358. Sist endret: FOR-2024-04-05-581.

DNEL

1,2-benzisotiazol-3(2H)-on

Varighet:	Opptaksvei:	DNEL:
Langsiktig – Systemiske effekter - Arbeidere	Dermal	966 µg/kg bw/day
Langsiktig – Systemiske effekter - Befolkningen generelt	Dermal	0.345 mg/kg
Langsiktig – Systemiske effekter - Arbeidere	Innånding	6.81 mg/m ³
Langsiktig – Systemiske effekter - Befolkningen generelt	Innånding	1.2 mg/m ³

Disodium tin hexahydroxide

Varighet:	Opptaksvei:	DNEL:
Langsiktig – Systemiske effekter - Arbeidere	Dermal	3.37 mg/kg bw/day
Langsiktig – Systemiske effekter - Befolkningen generelt	Dermal	1.21 mg/kg bw/day
Langsiktig – Systemiske effekter - Arbeidere	Innånding	11.9 mg/m ³
Langsiktig – Systemiske effekter - Befolkningen generelt	Innånding	1.78 mg/m ³
Langsiktig – Systemiske effekter - Befolkningen generelt	Oral	1.21 mg/kg bw/day

hydrogenperoksidløsning ... %

Varighet:	Opptaksvei:	DNEL:
Kortsiktig – Lokaleffekter - Arbeidere	Innånding	3 mg/m ³
Kortsiktig – Lokaleffekter - Befolkningen generelt	Innånding	1.93 mg/m ³
Langsiktig – Lokaleffekter - Arbeidere	Innånding	1.4 mg/m ³
Langsiktig – Lokaleffekter - Befolkningen generelt	Innånding	0.21 mg/m ³
Langsiktig – Lokaleffekter - Befolkningen generelt	Innånding	210 µg/m ³

PNEC

1,2-benzisotiazol-3(2H)-on

Opptaksvei:	Eksposeringens varighet:	PNEC:
Ferskvann		4.03 µg/L
Ferskvannssediment		49.9 µg/kg
Havvann		403 ng/L
Havvannssediment		4.99 µg/kg
Jord		3 mg/kg
Periodisk utslipp (ferskvann)		1.1 µg/L
Periodisk utslipp (havvann)		110 ng/L
Renseanlegg		1.03 mg/L

Disodium tin hexahydroxide

Opptaksvei:	Eksposeringens varighet:	PNEC:
Ferskvann		33.1 µg/L
Ferskvannssediment		1.395 mg/kg
Havvann		3.31 µg/L
Havvannssediment		139.46 µg/kg
Periodisk utslipp (ferskvann)		331 µg/L
Periodisk utslipp (havvann)		33.1 µg/L
Renseanlegg		10 mg/L

hydrogenperoksidløsning ... %

Opptaksvei:	Eksposeringens varighet:	PNEC:
Ferskvann		0,0126 mg/L
Ferskvann		12.6 µg/L
Ferskvannssediment		0,047 mg/kg
Ferskvannssediment		47 µg/kg
Havvann		0,047 mg/L
Havvann		12.6 µg/L
Havvannssediment		0,047 mg/L
Havvannssediment		47 µg/kg
Jord		0,023 mg/kg
Jord		2.3 µg/kg
Periodisk utslipp (ferskvann)		13.8 µg/L
Renseanlegg		4.66 mg/L
Renseanlegg		4.66 mg/L

8.2. Eksposeringskontroll

Det bør kontrolleres regelmessig at de angitte grenseverdiene overholdes.

Generelt:

Røking, inntak av mat og drikke er ikke tillatt i arbeidsområdet.

Eksposeringsscenarioer:

Ingen eksposeringsscenarioer er implementert for dette produktet.

Eksposeringsgrenser:

Bedriftsrelaterte brukere er omfattet av arbeidsmiljølovgivningens regler om maksimumkonsentrasjoner for eksposering. Se arbeidshygieniske grenseverdier ovenfor.

Tekniske tiltak:

Dannelsen av damp må holdes på et minimum og under den gjeldende grenseverdien (se over). Det anbefales å installere et lokalt utluftingssystem dersom den vanlige luftstrømmen i arbeidsrommet ikke er tilstrekkelig. Sørg for at øyevask og dusj for nødsituasjoner er godt merket.

Følg standard forholdsregler ved bruk av produktet. Unngå inhalering av damp.

Hygieniske tiltak:

Ved hver pause i bruk av produktet og ved arbeidsstans skal eksponerte områder av kroppen vaskes. Vær ekstra nøye med hender, underarmer og ansikt.

Begrensning av eksposering av miljøet:

Ingen spesielle krav.

Individuelle vernetiltak

Generelt:

Benytt utelukkende CE-merket verneutstyr.

Åndedrettsvern:

Type	Klasse	Farge	Standarder	
Ingen spesielle ved normal tilsiktet bruk.				

Kroppvern:

Anbefalt	Type/Kategori	Standarder	
Ingen spesielle ved normal tilsiktet bruk.	-	-	

Håndvern:

Arbeidssituasjon	Materiale	Hanskeykkelse (mm)	Gjennomtrengningstid (min.)	Standarder	
	Ingen spesielle ved normal tilsiktet bruk	-	-	-	
Ved langvarig eksponering eller høye konsentrasjoner	Bomull / Naturgummi (lateks)	-	> 120	EN374-2, EN16523-1, EN388	

Øyevern:

Arbeidssituasjon	Type	Standarder	
	Ingen spesielle ved normal tilsiktet bruk.	-	
Ved langvarig eksponering eller høye konsentrasjoner	Bruk beskyttelsesbriller med sideskjold.	EN166	

AVSNITT 9: FYSISKE OG KJEMISKE EGENSKAPER

9.1. Opplysninger om grunnleggende fysiske og kjemiske egenskaper

Tilstandsform:

Væske

Farge:

Fargeløs

Lukt / Luktterskel (ppm):

Parfymert

pH:

ca. 4.8

Tetthet (g/cm³):

1,02 (20 °C)

Kinematisk viskositet:

Ingen data tilgjengelige.

Partikkelegenskaper:

Ikke relevant - produktet er en væske

Tilstandsending og damptrykk

Smeltepunkt/Frysepunkt (°C):

Ingen data tilgjengelige.

Bløtgjøringspunkt / -område (°C):

Ikke relevant - produktet er en væske

Kokepunkt (°C):

Ingen data tilgjengelige.

Damptrykk:

Ingen data tilgjengelige.

Relativ damptetthet:

Ingen data tilgjengelige.

Spaltingstemperatur (°C):

Ingen data tilgjengelige.

Data for brann- og eksplosjonsfarer

Flammepunkt (°C):

Ingen data tilgjengelige.

Antennelighet (°C):

Ingen data tilgjengelige.

Selvantennelsestemperatur (°C):

Ingen data tilgjengelige.

Nedre og øvre eksplosjonsgrense (% v/v):

Ingen data tilgjengelige.

Løselighet

Løselighet i vann:

Fullt oppløselig

Fordelingskoeffisient (n-octanol/vann) (LogKow):

Ingen data tilgjengelige.

Løselighet i fett (g/L):

Ingen data tilgjengelige.

9.2. Andre opplysninger

Andre fysiske og kjemiske parametere:

Ingen data tilgjengelige.

Oksiderende egenskaper:

Ingen data tilgjengelige.

AVSNITT 10: STABILITET OG REAKTIVITET

10.1. Reaktivitet

Ingen data tilgjengelige.

10.2. Kjemisk stabilitet

Produktet er stabilt under de betingelsene som er angitt i avsnitt 7 om "Håndtering og lagring".

10.3. Risiko for farlige reaksjoner

Ingen kjente

10.4. Forhold som skal unngås

Ingen kjente

10.5. Uforenlige materialer

Sterke syrer, sterke baser, sterke oksideringsmidler og sterke reduksjonsmidler.

10.6. Farlige nedbrytningsprodukter

Under normale oppbevarings- og bruksforhold skal det ikke kunne dannes farlige nedbrytningsprodukter.

AVSNITT 11: TOKSIKOLOGISKE OPPLYSNINGER

11.1. Opplysninger om fareklasser som definert i forordning (EF) nr. 1272/2008

Akutt giftighet

Produkt/bestanddel	hydrogenperoksidløsning ... %
Art:	Rotte
Opptaksvei:	Oral
Test:	LD50
Resultat:	1.193 - 1.270 mg/L

Produkt/bestanddel	hydrogenperoksidløsning ... %
Art:	Kanin
Opptaksvei:	Dermal
Test:	LD50
Resultat:	>2.000 (35% oppløsning) mg/kg

Produkt/bestanddel	1,2-benzisotiazol-3(2H)-on
Art:	Rotte
Opptaksvei:	Oral
Test:	LD50
Resultat:	500 mg/kg

Basert på tilgjengelige data er klassifiseringskriteriene ikke oppfylt.

Hudetsing/hudirritasjon

Produkt/bestanddel	hydrogenperoksidløsning ... %
Resultat:	Negative effekter observert (Irritasjon)

Produkt/bestanddel	1,2-benzisotiazol-3(2H)-on
Testmetode:	OECD 404
Resultat:	Negative effekter observert (Irritasjon)

Basert på tilgjengelige data er klassifiseringskriteriene ikke oppfylt.

Alvorlig øyeskade/øyeirritasjon

Produkt/bestanddel	hydrogenperoksidløsning ... %
Resultat:	Negative effekter observert (Gir alvorlig øyeskade)

Produkt/bestanddel	1,2-benzisotiazol-3(2H)-on
Testmetode:	OECD 405
Resultat:	Negative effekter observert (Gir alvorlig øyeskade)

Basert på tilgjengelige data er klassifiseringskriteriene ikke oppfylt.

Sensibilisering ved innånding

Produkt/bestanddel	hydrogenperoksidløsning ... %
Resultat:	Ingen negative effekter observert (ikke sensibiliserende)

Basert på tilgjengelige data er klassifiseringskriteriene ikke oppfylt.

Sensibilisering ved hudkontakt

Produkt/bestanddel	1,2-benzisotiazol-3(2H)-on
Testmetode:	OECD 429
Art:	Mus
Resultat:	Negative effekter observert (sensibiliserende)

Produkt/bestanddel	1,2-benzisotiazol-3(2H)-on
Testmetode:	OECD 406
Art:	Marsvin
Resultat:	Negative effekter observert (sensibiliserende)

Basert på tilgjengelige data er klassifiseringskriteriene ikke oppfylt.

Arvestoffskadelig virkning på kjønnseller

Basert på tilgjengelige data er klassifiseringskriteriene ikke oppfylt.

Kreftframkallende egenskaper

Produkt/bestanddel	hydrogenperoksidløsning ... %
Konklusjon:	Ingen negative effekter observert

Basert på tilgjengelige data er klassifiseringskriteriene ikke oppfylt.

Reproduksjonstoksisitet

Produkt/bestanddel	hydrogenperoksidløsning ... %
Konklusjon:	Ingen negative effekter observert

Basert på tilgjengelige data er klassifiseringskriteriene ikke oppfylt.

STOT, enkelteksponering

Basert på tilgjengelige data er klassifiseringskriteriene ikke oppfylt.

STOT, gjentatt eksponering

Basert på tilgjengelige data er klassifiseringskriteriene ikke oppfylt.

Aspirasjonsfare

Produkt/bestanddel hydrogenperoksidløsning ... %
Basert på tilgjengelige data er klassifiseringskriteriene ikke oppfylt.

11.2. Opplysninger om andre farer

Langsiktige virkninger

Ingen kjente

Hormonforstyrrende egenskaper

Blandingen/produktet inneholder ingen stoffer som anses å ha hormonforstyrrende egenskaper som kan påvirke helsen.

Andre opplysninger

hydrogenperoksidløsning ... %: Dette stoffet har blitt klassifisert som kreftfremkallende i gruppe 3 av IARC.

AVSNITT 12: ØKOLOGISKE OPPLYSNINGER

12.1. Giftighet

Produkt/bestanddel hydrogenperoksidløsning ... %
Art: Fisk, Pimephales promelas
Varighet: 96 timer
Test: LC50
Resultat: 16,4 mg/L

Produkt/bestanddel hydrogenperoksidløsning ... %
Art: Fisk, Leuciscus idus
Varighet: 72 timer
Test: LC50
Resultat: 35 mg/L

Produkt/bestanddel hydrogenperoksidløsning ... %
Art: Fisk, Oncorhynchus mykiss
Varighet: 7 dager
Test: LC50
Resultat: 38,5 mg/L

Produkt/bestanddel hydrogenperoksidløsning ... %
Art: Daphnia pulex
Varighet: 48 timer
Test: EC50
Resultat: 2,4 mg/L

Produkt/bestanddel hydrogenperoksidløsning ... %
Art: Daphnia magna
Varighet: 24 timer
Test: EC50
Resultat: 7,7 mg/L

Produkt/bestanddel hydrogenperoksidløsning ... %
Art: Skeletonema costatum
Varighet: 72 timer
Test: EC50
Resultat: 1,38 mg/L

Produkt/bestanddel hydrogenperoksidløsning ... %
Testmetode: OECD 209
Art: Bakterie
Miljø: Aktivert slambelegg
Varighet: 30 minutes
Test: EC50
Resultat: 466 mg/L

Produkt/bestanddel	hydrogenperoksidløsning ... %
Testmetode:	OECD 209
Art:	Bakterie
Miljø:	Aktivert slamanlegg
Varighet:	3 timer
Test:	EC50
Resultat:	> 1.000 mg/L

Produkt/bestanddel	1,2-benzisotiazol-3(2H)-on
Art:	Fisk
Varighet:	96 timer
Test:	LC50
Resultat:	>0.1-1 mg/L

Produkt/bestanddel	1,2-benzisotiazol-3(2H)-on
Art:	Krepsdyr
Varighet:	48 timer
Test:	EC50
Resultat:	>0.1-1 mg/L

Produkt/bestanddel	1,2-benzisotiazol-3(2H)-on
Art:	Alge
Varighet:	72 timer
Test:	EC50
Resultat:	>0.1-1 mg/L

Basert på tilgjengelige data er klassifiseringskriteriene ikke oppfylt.

12.2. Persistens og nedbrytbarhet

Produkt/bestanddel	Alcohol, C13, bran., EO, sulfat Na~
Resultat:	> 60 %
Konklusjon:	God biologisk nedbrytbarhet
Test:	OECD 301 B

Produkt/bestanddel	hydrogenperoksidløsning ... %
Konklusjon:	God biologisk nedbrytbarhet

Produkt/bestanddel	1,2-benzisotiazol-3(2H)-on
Resultat:	90%
Konklusjon:	God biologisk nedbrytbarhet
Test:	OECD 302

Tensidet(ene) som inngår i denne blandingen oppfyller kriteriene for biologisk nedbrytning i Forskrift 1. juni 2004 nr. 922 om begrensning i bruk av helse- og miljøfarlige kjemikalier og andre produkter (produktforskriften) (EU regulativ nr. 648/2004). Data som underbygger denne påstanden er tilgjengelige for medlemsstatenes rette myndighet og vil bli gjort tilgjengelige for dem ved direkte forespørsel, eller på forespørsel fra en produsent av vaske- og rengjøringsmidler.

12.3. Bioakkumuleringsevne

Produkt/bestanddel	hydrogenperoksidløsning ... %
LogKow:	-1,57
Konklusjon:	-

Produkt/bestanddel	1,2-benzisotiazol-3(2H)-on
BCF:	2
LogKow:	1.45
Konklusjon:	Potensialet for bioakkumulering er lite

12.4. Mobilitet i jord

Ingen data tilgjengelige.

12.5. Resultater av PBT- og vPvB-vurdering

Blandingen/produktet inneholder ikke noen stoffer som oppfyller kriteriene som klassifiserer dem som PBT og/eller vPvB.

12.6. Hormonforstyrrende egenskaper

Blandingen/produktet inneholder ingen stoffer som anses å ha hormonforstyrrende egenskaper som kan påvirke miljøet.

12.7. Andre skadevirkninger

Ingen kjente

AVSNITT 13: SLUTTBEHANDLING

13.1. Avfallsbehandlingsmetoder

Dette produktet er omfattet av regelverket om farlig avfall. (*)

HP 4 Irriterende (hudirritasjon og øyeskader)

Fraråde tømming i avløp.

Forskrift 1. juni 2004 nr. 930 om gjenvinning og behandling av avfall (avfallsforskriften).

Avfallskode EAL:

20 01 30

Andre rengjøringsmidler enn dem nevnt i 20 01 29

Forurensset emballasje

Emballasje med restinnhold av produktet skal avhendes etter samme bestemmelser som produktet.

AVSNITT 14: TRANSPORTOPPLYSNINGER

	14.1 FN- eller ID-nummer	14.2 FN-forsendelsesnavn	14.3 Transportfareklasse(r)	14.4 Emballasje- gruppe	14.5 Miljøfarer	Annen informasjon:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

Annen informasjon

Ikke farlig gods i henhold til ADR, IATA og IMDG.

14.6. Særlige forsiktighetsregler ved bruk

Ikke relevant.

14.7. Sjøtransport i bulk i henhold til IMO-instrumenter

Ingen data tilgjengelige.

AVSNITT 15: OPPLYSNINGER OM REGELVERK

15.1. Særlige bestemmelser / særskilt lovgivning om sikkerhet, helse og miljø for stoffet eller stoffblandingen

Anvendelsesbegrensninger:

Bare for yrkesbrukere.

Krav om særlig utdanning:

Ingen spesielle krav.

SEVESO - Farekategorier / spesifiserte farlige kjemikalier:

Ikke relevant.

Forskrift om håndtering av utgangsstoffer for eksplosiver:

hydrogenperoksidløsning ... % (Tillegg I)

Etikettering av innhold i overensstemmelse med produktforskriften:

- >5% - <15%
- Ikke-ioniske overflateaktive stoffer
- < 5%
- Anioniske overflateaktive stoffer
- Oksygenbaserte blekemidler
- Parfyme
- Konserveringsmiddel (BENZISOTHIAZOLINONE)

Deklarering av kjemikalier:

Produktet er registreringspliktig i produktregisteret, fordi det inneholder utgangsstoffer for eksplosiver.

Annen informasjon:

Tensidet(ene) som inngår i denne blandingen oppfyller kriteriene for biologisk nedbrytning i Forskrift 1. juni 2004 nr. 922 om begrensning i bruk av helse- og miljøfarlige kjemikalier og andre produkter (produktforskriften) (EU regulativ nr. 648/2004). Data som underbygger denne påstanden er tilgjengelige for medlemsstatenes rette myndighet og vil bli gjort tilgjengelige for dem ved direkte forespørsel, eller på forespørsel fra en produsent av vaske- og rengjøringsmidler.

Kilder:

EUROPAPARLAMENTS- OG RÅDSFORORDNING (EF) nr. 648/2004 av 31. mars 2004 om vaske- og rengjøringsmidler
Forskrift 1. juni 2004 nr. 930 om gjenvinning og behandling av avfall (avfallsforskriften).
Forskrift 2. mai 2015 nr. 588 om håndtering av utgangsstoffer for eksplosiver.
Forskrift 19. mai 2015 nr. 541 om deklareringsforskriften til produktregisteret (deklareringsforskriften).
Forskrift 16. juni 2012 nr. 622 om klassifisering, merking og emballering av stoffer og stoffblandinger (CLP-forskriften).
Forskrift 30. mai 2008 nr. 516 om registrering, vurdering, godkjenning og begrensning av kjemikalier (REACH-forskriften).

15.2. Vurdering av kjemikaliesikkerhet

Nei

AVSNITT 16: ANDRE OPPLYSNINGER

Fullstendig tekst for H-setninger som det refereres til i avsnitt 3

H271, Kan forårsake brann eller eksplosjon; sterkt oksiderende.
H302, Farlig ved svelging.
H314, Gir alvorlige etseskader på hud og øyne.
H315, Irriterer huden.
H318, Gir alvorlig øyeskade.
H319, Gir alvorlig øyeirritasjon.
H332, Farlig ved innånding.
H335, Kan forårsake irritasjon av luftveiene.
H336, Kan forårsake døsighet eller svimmelhet.
H412, Skadelig, med langtidsvirkning, for liv i vann.

Forkortelser og akronymer

ADN/ADNR = Europeisk avtale om internasjonal transport av farlig gods på innenlands vannveier
ADR = Forskrift 1. april 2009 om landtransport av farlig gods
ATE = Akutt toksisitets estimat
BCF = Biokonsentrasjons faktor
CAS = Chemical Abstracts Service
CE = Conformité Européenne
CLP = Klassifisering, merking og innpakning
CSA = Kjemisk sikkerhetsvurdering
CSR = Kjemisk sikkerhetsrapport
DMEL = Oppnådd minimalt effekt nivå
DNEL = Oppnådd ingen effekt nivå
EINECS = Fortegnelse over eksisterende kommersielle kjemiske substanser
ES = Eksponeringsscenario
EUH statement = CLP-spesifikk fareerklæring
EuPCS = Europeisk produktkategoriseringssystem

EWC = Europeisk Avfallskatalog
GHS = Globalt Harmonisert System for Klassifisering og Merking av Kjemikalier
GWP = Potensial for global oppvarming
IATA/ICAO = Internasjonal lufttransport Forening
IBC = Middels Bulk Kontainer
IMDG = Internasjonal Maritim Farlig Gods
LogPow = Logaritmen til fordelingskoeffisienten for oktanol / vann
MARPOL 73/78 = Den Internasjonale Konvensjonen til Forhindring av Marin Forurensning fra Skip, 1973, modifisert i 1978
OECD = Organisasjonen for økonomisk samarbeid og utvikling
PBT = Persistent, Bioakkumulerbar og Giftig
PNEC = Forutsatt ingen effekt konsentrasjon
RID = Forskrift 1. april 2009 om landtransport av farlig gods
RRN = REACH registrerings nummer
SCL = Spesifikk konsentrasjonsgrense.
SVHC = Stoffer med meget høy viktighet
STOT-RE = Giftig mot spesifikt målorgan - Gjentatt eksponering
STOT-SE = Giftig mot spesifikt målorgan - Enkel eksponering
TWA = Tidsvektet gjennomsnittlig
UN = Forenede Nasjoner
UVBC = Ukjent eller variabel sammensetning, komplekse reaksjonsprodukter eller biologiske materialer.
VOC = Flyktig organisk forbindelse
vPvB = Meget persistente og meget bioakkumulerende

Annen informasjon

Ikke relevant.

Sikkerhetsdatablad er validert av

Quality & Compliance

Annet

Endringer i forhold til siste vesentlige revisjon (første siffer i SDS-versjon, se avsnitt 1) av dette sikkerhetsdatablad er markert med en trekant.
Opplysningene i dette sikkerhetsdatabladet gjelder kun produktet nevnt i avsnitt 1 og er ikke nødvendigvis gjeldende ved bruk sammen med andre produkter.
Det anbefales å utlevere dette sikkerhetsdatabladet til den faktiske bruker av produktet. Den nevnte informasjonen kan ikke brukes som produktspesifikasjon.
Land-språk: NO-nb

SAFETY DATA SHEET

i.1 all-purpose cleaner FlexDose

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product identifier

▼ *Trade name:*
i.1 all-purpose cleaner FlexDose

Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses of the substance or mixture:
Washing and cleaning products (including solvent based products)
Restricted to professional users.

Uses advised against :
None known.

Details of the supplier of the safety data sheet

Company and address:
Hygeniq B.V.
Postbus 618
7500 AP Enschede
The Netherlands
+31 53 4282860
+31 53 5393865
www.hygeniq.com

E-mail:
info@hygeniq.com

SDS date:
27/06/2025

SDS Version:
2.0

Date of previous version:
2/06/2025 (1.0)

Emergency telephone number

National Poisons Centre: 0800 764 766 (24 hour service)
See also section 4 "First aid measures"

SECTION 2: HAZARDS IDENTIFICATION

Classification of the substance or mixture

Not classified according to the Hazardous Substances (Hazard Classification) Notice.

Label elements

Hazard pictogram(s):
Not applicable.

Signal word:
Not applicable.

Hazard statement(s):

Not applicable.

Precautionary statement(s):

General:

-

Prevention:

-

Response:

-

Storage:

-

Disposal:

-

Hazardous substances:

Does not contain any substances required to report

Additional labelling:

Not applicable.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Substances

Not applicable. This product is a mixture.

Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
Alcohol, C13, bran., EO, sulfate Na~	CAS No.: 150413-26-6 EC No.: 688-316-0	1-3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 3, H412	
hydrogen peroxide	CAS No.: 7722-84-1 EC No.: 231-765-0	1-3%	Ox. Liq. 1, H271 Acute Tox. 4, H302 Skin Corr. 1A, H314 (SCL: 70.00 %) Skin Corr. 1B, H314 (SCL: 50.00 %) Skin Irrit. 2, H315 (SCL: 35.00 %) Eye Dam. 1, H318 (SCL: 8.00 %) Eye Irrit. 2, H319 (SCL: 5.00 %) Acute Tox. 4, H332 STOT SE 3, H336 (SCL: 35.00 %)	
citroenzuurmonohydraat	CAS No.: 5949-29-1 EC No.: 611-842-9	<0.1%	Eye Irrit. 2, H319	

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information

-

SECTION 4: FIRST AID MEASURES

Description of first aid measures

General information:

In the case of accident: Contact a doctor or casualty department – bring the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

Inhalation:

In case of discomfort: bring the person into fresh air.

Skin contact:

Upon irritation: rinse with water. In the event of continued irritation, seek medical assistance.

Eye contact:

Rinse gently with lukewarm water. Remove any contact lenses if this is easy to do. Continue rinsing. In case of persistent eye irritation or discomfort: Seek medical help.

Ingestion:

Rinse and flush mouth thoroughly and consume large quantities of water. In case of continued discomfort: seek medical assistance and bring this safety data sheet.

Burns:

Not applicable.

Most important symptoms and effects, both acute and delayed

None known.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

Information to medics

Bring this safety data sheet or the label from this product.

SECTION 5: FIREFIGHTING MEASURES

Extinguishing media

Not applicable.

Special hazards arising from the substance or mixture

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

Carbon oxides (CO / CO₂)

Advice for firefighters

No specific requirements.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation, especially in confined areas.

Contaminated areas may be slippery.

Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.

Keep unauthorized persons away from the spill

Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

Reference to other sections

See section 13 "Disposal considerations" on handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling

Smoking, drinking and consumption of food is not allowed in the work area.
See section 8 "Exposure controls/personal protection" for information on personal protection.

Conditions for safe storage, including any incompatibilities

Recommended storage material:

Keep only in original packaging.

Storage conditions:

Dry, cool and well ventilated

Incompatible materials:

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

Specific end use(s)

This product should only be used for applications quoted in section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

hydrogen peroxide

Long term exposure limit (8 hours) (ppm): 1

Long term exposure limit (8 hours) (mg/m³): 1.4

Workplace exposure standards and biological exposure indices. Edition 14, November 2023.

Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

General recommendations:

Smoking, drinking and consumption of food is not allowed in the work area.

Exposure scenarios:

There are no exposure scenarios implemented for this product.

Exposure limits:

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

Appropriate technical measures:

The formation of vapours must be kept at a minimum and below current limit values (see above). Installation of a local exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure eyewash and emergency showers are clearly marked.

Apply standard precautions during use of the product. Avoid inhalation of vapours.

Hygiene measures:

Wash hands after use.

Measures to avoid environmental exposure:

No specific requirements.

Individual protection measures, such as personal protective equipment

Generally:

Use only protective equipment that have been approved by IANZ or NATA, or a laboratory accredited under a recognised Mutual Recognition Arrangement.

Respiratory Equipment:

Type	Class	Colour	Standards	
No special when used				

Type	Class	Colour	Standards	
as intended.				

Skin protection:

Recommended	Type/Category	Standards	
No special when used as intended.	-	-	

Hand protection:

Work situation	Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
	No special when used as intended	-	-	-	
In the event of prolonged exposure or high concentrations	Cotton/Latex	-	> 120	EN374-2, EN16523-1, EN388	

Eye protection:

Work situation	Type	Standards	
	No special when used as intended.	-	
In the event of prolonged exposure or high concentrations	Safety glasses with side shields.	EN166	

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Form:

Liquid

Colour:

Colourless

Odour:

Of perfume

Odour threshold (ppm):

No data available.

pH:

ca. 4.8

Density (g/cm³):

1.02 (20 °C)

Kinematic viscosity:

No data available.

Phase changes

Melting point/Freezing point (°C):

No data available.

Softening point/range (°C):

Does not apply to liquids.

Boiling point (°C):

No data available.

Vapour pressure:

No data available.

Relative vapour density:

No data available.

Decomposition temperature (°C):

No data available.

Evaporation rate (n-butylacetate = 100):

Data on fire and explosion hazards

Flash point (°C):

No data available.

Flammability (°C):

No data available.

Auto-ignition temperature (°C):

No data available.

Explosion limits (% v/v):

No data available.

Solubility

Solubility in water:

Completely soluble

n-octanol/water coefficient (LogKow):

No data available.

Solubility in fat (g/L):

No data available.

Other information

Other physical and chemical parameters:

No data available.

Oxidizing properties:

No data available.

SECTION 10: STABILITY AND REACTIVITY

Reactivity

No data available.

Chemical stability

The product is stable under the conditions, noted in section 7 "Handling and storage".

Possibility of hazardous reactions

None known.

Conditions to avoid

None known.

Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity

Product/substance	hydrogen peroxide
Species:	Rat
Route of exposure:	Oral
Test:	LD50

Result: 1.193 - 1.270 mg/L

Product/substance: hydrogen peroxide
Species: Rabbit
Route of exposure: Dermal
Test: LD50
Result: >2.000 (35% oplossing) mg/kg

Product/substance: 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Species: Rat
Route of exposure: Oral
Test: LD50
Result: 500 mg/kg

Based on available data, the classification criteria are not met.

Skin corrosion/irritation

Product/substance: hydrogen peroxide
Result: Adverse effect observed (Irritating)

Product/substance: 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Test method: OECD 404
Result: Adverse effect observed (Irritating)

Based on available data, the classification criteria are not met.

Serious eye damage/irritation

Product/substance: hydrogen peroxide
Result: Adverse effect observed (Causes serious eye damage)

Product/substance: 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Test method: OECD 405
Result: Adverse effect observed (Causes serious eye damage)

Based on available data, the classification criteria are not met.

Respiratory sensitisation

Product/substance: hydrogen peroxide
Result: No adverse effect observed (not sensitising)

Based on available data, the classification criteria are not met.

Skin sensitisation

Product/substance: 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Test method: OECD 429
Species: Mouse
Result: Adverse effect observed (sensitising)

Product/substance: 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Test method: OECD 406
Species: Guinea pig
Result: Adverse effect observed (sensitising)

Based on available data, the classification criteria are not met.

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Product/substance: hydrogen peroxide
Conclusion: No adverse effect observed

Based on available data, the classification criteria are not met.
hydrogen peroxide has been classified by IARC as a group 3 carcinogen.

Reproductive toxicity

Product/substance: hydrogen peroxide

Conclusion: No adverse effect observed

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Product/substance hydrogen peroxide

Based on available data, the classification criteria are not met.

Long term effects

None known.

SECTION 12: ECOLOGICAL INFORMATION

Toxicity

Product/substance	hydrogen peroxide
Species:	Fish, Pimephales promelas
Duration:	96 hours
Test:	LC50
Result:	16,4 mg/L

Product/substance	hydrogen peroxide
Species:	Fish, Leuciscus idus
Duration:	72 hours
Test:	LC50
Result:	35 mg/L

Product/substance	hydrogen peroxide
Species:	Fish, Oncorhynchus mykiss
Duration:	7 days
Test:	LC50
Result:	38,5 mg/L

Product/substance	hydrogen peroxide
Species:	Daphnia pulex
Duration:	48 hours
Test:	EC50
Result:	2,4 mg/L

Product/substance	hydrogen peroxide
Species:	Daphnia magna
Duration:	24 hours
Test:	EC50
Result:	7,7 mg/L

Product/substance	hydrogen peroxide
Species:	Skeletonema costatum
Duration:	72 hours
Test:	EC50
Result:	1,38 mg/L

Product/substance	hydrogen peroxide
Test method:	OECD 209
Species:	Bacteria
Compartment:	Activated Sludge Plant
Duration:	30 minutes
Test:	EC50

Conforms to the Hazardous Substances (Safety Data Sheets) Notice 2017

Result: 466 mg/L

Product/substance: hydrogen peroxide
Test method: OECD 209
Species: Bacteria
Compartment: Activated Sludge Plant
Duration: 3 hours
Test: EC50
Result: > 1.000 mg/L

Product/substance: 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Species: Fish
Duration: 96 hours
Test: LC50
Result: >0.1-1 mg/L

Product/substance: 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Species: Crustacean
Duration: 48 hours
Test: EC50
Result: >0.1-1 mg/L

Product/substance: 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Species: Algae
Duration: 72 hours
Test: EC50
Result: >0.1-1 mg/L

Based on available data, the classification criteria are not met.

Persistence and degradability

Product/substance: Alcohol, C13, bran., EO, sulfate Na~
Result: > 60 %
Conclusion: Readily biodegradable
Test: OECD 301 B

Product/substance: hydrogen peroxide
Conclusion: Readily biodegradable

Product/substance: 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Result: 90%
Conclusion: Readily biodegradable
Test: OECD 302

Bioaccumulative potential

Product/substance: hydrogen peroxide
LogKow: -1,57
Conclusion: -

Product/substance: 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
BCF: 2
LogKow: 1.45
Conclusion: Potential for bioaccumulation is low

Mobility in soil

No data available.

Results of PBT and vPvB assessment

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

Other adverse effects

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

Dispose of contents/container to an approved waste disposal plant.

Specific labelling

Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: TRANSPORT INFORMATION

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Packing group

** Environmental hazards

Additional information

Not dangerous goods according to ADR, IATA and IMDG.

Special precautions for user

Not applicable.

Transport in bulk according to Annex II of Marpol and the IBC Code

No data available.

SECTION 15: REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

Restrictions for application:

Restricted to professional users.

Demands for specific education:

No specific requirements.

Control of major hazard facilities:

Not applicable.

Additional information:

Not applicable.

New Zealand Inventory of Chemicals (NZIoC):

hydrogen peroxide is listed

1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one is listed

Sources:

Hazardous Substances (Hazard Classification) Notice 2020

Hazardous Substances and New Organisms Act 1996

Chemical safety assessment

No

SECTION 16: OTHER INFORMATION

Full text of H-phrases as mentioned in section 3

H271, May cause fire or explosion; strong oxidiser.
H302, Harmful if swallowed.
H314, Causes severe skin burns and eye damage.
H315, Causes skin irritation.
H318, Causes serious eye damage.
H319, Causes serious eye irritation.
H332, Harmful if inhaled.
H336, May cause drowsiness or dizziness.
H412, Harmful to aquatic life with long lasting effects.

The full text of identified uses as mentioned in section 1

None known.

Abbreviations and acronyms

AS/NZS = Australian New Zealand Standard
ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
CAS = Chemical Abstracts Service
EINECS = European Inventory of Existing Commercial chemical Substances
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
Hazchem = Hazardous chemicals
HSNO = Hazardous Substances and New Organisms Act
IANZ = International Accreditation New Zealand
IARC = International Agency for Research on Cancer
IATA = International Air Transport Association
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
NATA = National Association of Testing Authorities
NZIoC = New Zealand Inventory of Chemicals
OECD = Organisation for Economic Co-operation and Development
PBT = Persistent, Bioaccumulative and Toxic
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
SCL = A specific concentration limit
STEL = Short-term exposure limits
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
STOT-SE = Specific Target Organ Toxicity - Single Exposure
TWA = Time weighted average
UN = United Nations
UVBC = Unknown or variable composition, complex reaction products or of biological materials
VOC = Volatile Organic Compound
vPvB = Very Persistent and Very Bioaccumulative

Additional information

Not applicable.

The safety data sheet is validated by

Quality & Compliance

Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

Country-language: NZ-en

KARTA CHARAKTERYSTYKI

i.1 all-purpose cleaner FlexDose

SEKCJA 1: IDENTYFIKACJA SUBSTANCJI/MIESZANINY I IDENTYFIKACJA PRZEDSIĘBIORSTWA

1.1. Identyfikator produktu

▼ *Nazwa handlowa:*

i.1 all-purpose cleaner FlexDose

1.2. Istotne zidentyfikowane zastosowania substancji lub mieszaniny oraz zastosowania odradzane

Istotne zidentyfikowane zastosowania substancji lub mieszaniny:

Detergenty i środki czyszczące (w tym na bazie rozpuszczalników)

Produkt przeznaczony wyłącznie do użytku zawodowego.

Zastosowania odradzane :

Nie są znane.

1.3. Dane dotyczące dostawcy karty charakterystyki

Dostawca:

Hygieniq B.V.

Postbus 618

7500 AP Enschede

The Netherlands

+31 53 4282860

+31 53 5393865

www.hygieniq.com

Adres email:

info@hygieniq.com

Aktualizacja:

27.06.2025

Wersja karty charakterystyki:

2.0

Data poprzedniego wydania:

2.06.2025 (1.0)

1.4. Numer telefonu alarmowego

Ośrodki zatruc.

Gdańsk: Pomorskie Centrum Toksykologii. Tel: (48) 58 682 04 04

Kraków: Centrum Informacji Toksykologicznej. Tel: (48) 12 411 99 99

Łódź: Krajowe Centrum Informacji o Truciznach. Tel: (48) 42 63 14 724

Warszawa: Warszawskie Centrum Informacji i Kontroli Zatruc. Tel: (48) 22 619 66 54

Wrocław: Dolnośląskie Centrum Informacji Toksykologicznej i Toksykologicznej. Tel: (48) 71 306 44 19

*Europejski numer alarmowy : 112

Patrz sekcja 4 o środkach pierwszej pomocy.

SEKCJA 2: IDENTYFIKACJA ZAGROŻEŃ

2.1. Klasyfikacja substancji lub mieszaniny

Nie sklasyfikowany według rozporządzenia (EC) Nr 1272/2008 (CLP).

2.2. Elementy oznakowania

Piktogram(y) zagrożenia:

Nie dotyczy.

Hasło ostrzegawcze:

Nie dotyczy.

Zwrot wskazujący rodzaj zagrożenia:

Nie dotyczy.

Zwroty wskazujące środki ostrożności:

Ogólne:

-

Zapobieganie:

-

Reagowanie:

-

Przechowywanie:

-

Usuwanie:

-

Zawiera następujące substancje odpowiedzialne za ryzyko zagrożenia zdrowia:

Nie zawiera żadnych substancji objętych nakazem zgłaszania

Informacje uzupełniające na etykiecie:

EUH210, Karta charakterystyki dostępna na żądanie.

Oznakowanie zawartości zgodnie z Rozporządzeniem nr 648/2004 w sprawie detergentów (dotyczy opakowań detergentów przeznaczonych do powszechnego użytku):

>5% - <15%

· Niejonowe środki powierzchniowo czynne

< 5%

· Anionowe środki powierzchniowo czynne

· Związki wybielające na bazie tlenu

· Kompozycje zapachowe

· Środek konserwujący (BENZISOTHIAZOLINONE)

2.3. Inne zagrożenia

Inne ostrzeżenia:

Mieszanina/produkt ten nie zawiera żadnej substancji spełniającej kryteria klasyfikacji jako PBT lub vPvB.

Ten produkt nie zawiera żadnych substancji uważanych za substancje zaburzające gospodarkę hormonalną zgodnie z kryteriami określonymi w Rozporządzeniu Delegowanym Komisji (UE) 2017/2100 lub Rozporządzeniu Komisji (UE) 2023/707.

SEKCJA 3: SKŁAD/INFORMACJA O SKŁADNIKACH

3.1. Substancje

Nie dotyczy. Produkt jest mieszaniną.

3.2. Mieszaniny

Produktu/składnik	Identyfikatory	% w/w	Klasyfikacja	Uwagi
Alcohol, C13, bran., EO, sulfate Na~	Nr. CAS: 150413-26-6 Nr. WE: 688-316-0 REACH: Nr. indeksowy:	1-3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 3, H412	

nadtlenek wodoru, roztwór 35%	Nr. CAS: 7722-84-1 Nr. WE: 231-765-0 REACH: 01-2119485845-22-XXXX Nr. indeksowy: 008-003-00-9	1-3%	Ox. Liq. 1, H271 Acute Tox. 4, H302 Skin Corr. 1A, H314 (SCL: 70,00 %) Skin Corr. 1B, H314 (SCL: 50,00 %) Skin Irrit. 2, H315 (SCL: 35,00 %) Eye Dam. 1, H318 (SCL: 8,00 %) Eye Irrit. 2, H319 (SCL: 5,00 %) Acute Tox. 4, H332 STOT SE 3, H336 (SCL: 35,00 %)	
citroenzuurmonohydraat	Nr. CAS: 5949-29-1 Nr. WE: 611-842-9 REACH: 01-2119457026-42-XXXX Nr. indeksowy:	<0.1%	Eye Irrit. 2, H319	
Disodium tin hexahydroxide	Nr. CAS: 12027-70-2 Nr. WE: 234-724-5 REACH: 01-2120770924-45-XXXX Nr. indeksowy:	<0.05%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	[1]

Pełne sformułowanie zwrotów określających zagrożenia znajduje się w sekcji 16. Limity dopuszczalnych wartości zarażenia zawodowego, jeśli są dostępne, wymienione są w sekcji 8.

Inne informacje

[1] Europejska wartość graniczna narażenia w miejscu pracy.

SEKCJA 4: ŚRODKI PIERWSZEJ POMOCY

4.1. Opis środków pierwszej pomocy

Informacje ogólne:

W razie wypadku lub złego samopoczucia skontaktować się z lekarzem lub pogotowiem – zabrać ze sobą etykietę lub niniejszą kartę charakterystyki. Lekarz może się zwrócić do Instytutu Toksykologii w szpitalu.

Jeśli objawy nie ustają, lub jeśli są wątpliwości co do stanu osoby poszkodowanej, trzeba się zwrócić po pomoc lekarską. Nigdy nie podawaj wody ani podobnych płynów osobie nieprzytomnej.

Wdychanie:

W razie problemów z oddychaniem lub podrażnienia dróg oddechowych: Zapewnić poszkodowanemu dostęp do świeżego powietrza i nie pozostawiać go bez nadzoru.

Kontakt ze skórą:

W przypadku podrażnienia: zmyć produkt. Przy przedłużającym się podrażnieniu skontaktować się z lekarzem.

Kontakt z oczami:

W PRZYPADKU DOSTANIA SIĘ DO OCZU: Natychmiast spłukać wodą (20-30 °C) przez przynajmniej 5 minut. Usunąć ewentualne szkła kontaktowe. Zawezwąć lekarza.

Połyknięcia:

Jeśli osoba jest przytomna, przepłukać usta wodą i pozostać z nią. W przypadku złego samopoczucia: należy się natychmiast skontaktować z lekarzem i mieć przy sobie niniejszą kartę charakterystyki lub etykietę produktu. Nie należy wywoływać wymiotów, jeśli lekarz tego nie zalecił. Ułożyć głowę nisko, tak, aby w razie wymiotów ich zawartość nie wróciła do ust i gardła.

Oparzenie:

Nie dotyczy.

4.2. Najważniejsze ostre i opóźnione objawy oraz skutki narażenia

Nie są znane.

4.3. Wskazania dotyczące wszelkiej natychmiastowej pomocy lekarskiej i szczególnego postępowania z

poszkodowanym

Leczyć objawowo.

Informacja dla lekarza

Przekazać kartę charakterystyki lub etykietę produktu.

SEKCJA 5: POSTĘPOWANIE W PRZYPADKU POŻARU

5.1. Środki gaśnicze

Nie dotyczy.

5.2. Szczególne zagrożenia związane z substancją lub mieszaniną

W przypadku pożaru powstanie gęsty dym. Wystawienie na działanie produktów rozkładu może być szkodliwe dla zdrowia. Zamknięte pojemniki, które były wystawione na działanie ognia, należy ochłodzić wodą. Nie należy dopuścić, aby woda użyta do gaszenia dostała się do ścieków ani cieków wodnych.

Wystawienie mieszaniny na działanie wysokich temperatur, np. w przypadku pożaru, może spowodować powstawanie niebezpiecznych produktów rozkładu. Są to:

Tlenki węgla (CO / CO₂)

5.3. Informacje dla straży pożarnej

Nie ma specjalnych wymagań.

SEKCJA 6: POSTĘPOWANIE W PRZYPADKU NIEZAMIERZONEGO UWOLNIENIA DO ŚRODOWISKA

6.1. Indywidualne środki ostrożności, wyposażenie ochronne i procedury w sytuacjach awaryjnych

Zapewnić odpowiednią wentylację, szczególnie w przestrzeniach zamkniętych.

Zanieczyszczone powierzchnie mogą być śliskie.

6.2. Środki ostrożności w zakresie ochrony środowiska

Zapobiegać uwalnianiu większych ilości do kanalizacji, wód gruntowych i powierzchniowych.

Nie dopuszczać osób postronnych do miejsca wycieku.

6.3. Metody i materiały zapobiegające rozprzestrzenianiu się skażenia i służące do usuwania skażenia

Ograniczyć i zebrać wyciek za pomocą niepalnego, absorbującego materiału, np. piasku, ziemi, wermikulitu lub ziemi okrzemkowej i umieścić w pojemniku do utylizacji zgodnie z lokalnymi przepisami.

Jeśli to tylko możliwe, czyszczenie należy przeprowadzać za pomocą środków czyszczących. Należy unikać rozpuszczalników.

6.4. Odniesienia do innych sekcji

Postępowanie z odpadami opisane jest w sekcji 13.

Środki ostrożności omówione są w sekcji 8.

SEKCJA 7: POSTĘPOWANIE Z SUBSTANCJAMI I MIESZANINAMI ORAZ ICH MAGAZYNOWANIE

7.1. Środki ostrożności dotyczące bezpiecznego postępowania

Palenie, jedzenie i picie nie są dozwolone podczas używania produktu.

Osobiste środki bezpieczeństwa omawiane są w sekcji „Kontrola narażenia/środki ochrony indywidualnej”.

7.2. Warunki bezpiecznego magazynowania, w tym informacje dotyczące wszelkich wzajemnych niezgodności

Otwarte pojemniki muszą być ponownie uszczelnione i przechowywane pionowo dla uniknięcia wycieków.

Zgodności z opakowaniem:

Przechowywać wyłącznie w oryginalnym opakowaniu.

Warunki przechowywania:

W miejscu suchym, chłodnym i z dobrą cyrkulacją powietrza

Materiały niezgodne:

Silne kwasy, silne zasady, silne utleniacze i silne reduktory.

7.3. Szczegółne zastosowanie(-a) końcowe

Ten produkt powinien być używany zawsze zgodnie z opisem w sekcji 1.2.

SEKCJA 8: KONTROLA NARAŻENIA/ŚRODKI OCHRONY INDYWIDUALNEJ

8.1. Parametry dotyczące kontroli

nadtlenek wodoru, roztwór 35%

Najwyższe dopuszczalne stężenie chwilowe (15 minut) (NDSch) (mg/m³): 0,8

Najwyższe dopuszczalne stężenie (8-godzinne) (NDS) (mg/m³): 0,4

Rozporządzenia Ministra Rodziny, Pracy i Polityki Społecznej z dnia 12 czerwca 2018 r. w sprawie najwyższych dopuszczalnych stężeń i natężeń czynników szkodliwych dla zdrowia w środowisku pracy (Dz.U. 2018 poz. 1286)

DNEL

1,2-benzoizotiazol-3(2H)-on; 1,2-benzoizotiazolin-3-on; 1,2-benzoizotiazolin-3-on

Czas:	Droga narażenia:	DNEL:
Długoterminowo (działanie ogólnoustrojowe-cała populacja)	Naskórnice	0.345 mg/kg
Długoterminowo (działanie ogólnoustrojowe-Pracownicy)	Naskórnice	966 µg/kg/dzień
Długoterminowo (działanie ogólnoustrojowe-cała populacja)	Wziewnie	1.2 mg/m ³
Długoterminowo (działanie ogólnoustrojowe-Pracownicy)	Wziewnie	6.81 mg/m ³

Disodium tin hexahydroxide

Czas:	Droga narażenia:	DNEL:
Długoterminowo (działanie ogólnoustrojowe-cała populacja)	Doustnie	1.21 mg/kg/dzień
Długoterminowo (działanie ogólnoustrojowe-cała populacja)	Naskórnice	1.21 mg/kg/dzień
Długoterminowo (działanie ogólnoustrojowe-Pracownicy)	Naskórnice	3.37 mg/kg/dzień
Długoterminowo (działanie ogólnoustrojowe-cała populacja)	Wziewnie	1.78 mg/m ³
Długoterminowo (działanie ogólnoustrojowe-Pracownicy)	Wziewnie	11.9 mg/m ³

nadtlenek wodoru, roztwór 35%

Czas:	Droga narażenia:	DNEL:
Długoterminowo (działanie miejscowe-cała populacja)	Wziewnie	0,21 mg/m ³
Długoterminowo (działanie miejscowe-cała populacja)	Wziewnie	210 µg/m ³
Długoterminowo (działanie miejscowe-Pracownicy)	Wziewnie	1.4 mg/m ³
Krótkoterminowo (działanie miejscowe-cała populacja)	Wziewnie	1.93 mg/m ³
Krótkoterminowo (działanie miejscowe-Pracownicy)	Wziewnie	3 mg/m ³

PNEC

1,2-benzoizotiazol-3(2H)-on; 1,2-benzoizotiazolin-3-on; 1,2-benzoizotiazolin-3-on

Droga narażenia:	Czas ekspozycji:	PNEC:
Oczyszczalnia ścieków		1.03 mg/L
Osad w wodzie morskiej		4.99 µg/kg
Osad w wodzie słodkiej		49.9 µg/kg
Przerywane uwalnianie (woda morska)		110 ng/L
Przerywane uwalnianie (woda słodka)		1.1 µg/L
Woda morska		403 ng/L
Woda słodka		4.03 µg/L
Ziemia		3 mg/kg

Disodium tin hexahydroxide

Droga narażenia:	Czas ekspozycji:	PNEC:
Oczyszczalnia ścieków		10 mg/L
Osad w wodzie morskiej		139.46 µg/kg
Osad w wodzie słodkiej		1.395 mg/kg
Przerywane uwalnianie (woda morska)		33.1 µg/L
Przerywane uwalnianie (woda słodka)		331 µg/L
Woda morska		3.31 µg/L
Woda słodka		33.1 µg/L

nadtlenek wodoru, roztwór 35%

Droga narażenia:	Czas ekspozycji:	PNEC:
Oczyszczalnia ścieków		4.66 mg/L
Oczyszczalnia ścieków		4.66 mg/L
Osad w wodzie morskiej		0,047 mg/L
Osad w wodzie morskiej		47 µg/kg
Osad w wodzie słodkiej		0,047 mg/kg
Osad w wodzie słodkiej		47 µg/kg
Przerywane uwalnianie (woda słodka)		13.8 µg/L
Woda morska		0,047 mg/L
Woda morska		12.6 µg/L
Woda słodka		0,0126 mg/L
Woda słodka		12.6 µg/L
Ziemia		0,023 mg/kg
Ziemia		2.3 µg/kg

8.2. Kontrola narażenia

Należy regularnie kontrolować przestrzeganie podanych wartości granicznych.

Ogólne zasady postępowania:

Palenie, jedzenie i picie nie są dozwolone podczas używania produktu.

Scenariusze narażenia:

Dla tego produktu nie ma wdrożonych scenariuszy narażenia.

Limity ekspozycji:

Zawodowi użytkownicy objęci są regułami ustawodawstwa o bezpieczeństwie i higienie pracy, dotyczącego maksymalnych stężeń przy ekspozycji. Wartości graniczne - patrz powyżej.

Środki techniczne:

Tworzenie się pary musi być utrzymywane na minimalnych i poniżej aktualnych wartościach granicznych (patrz powyżej). Zaleca się zainstalowanie lokalnego systemu wyciągowego, jeśli normalny przepływ powietrza w pomieszczeniu roboczym jest niewystarczający. Upewnij się, że stacje do przemywania oczu i prysznic są wyraźnie oznaczone.

Stosuj standardowe środki ostrożności podczas użytkowania produktu. Unikaj wdychania oparów.

Zaradcze środki higieniczne:

W każdej przerwie w pracy z produktem oraz po zakończeniu dnia pracy należy umyć odkryte części ciała. Zwracać szczególną uwagę na dłonie, przedramiona i twarz.

Środki ograniczające narażenie środowiska:

Nie ma specjalnych wymagań.

Indywidualne środki ochrony takie jak indywidualne wyposażenie ochronne

Ogólnie:

Używać wyłącznie sprzętu ochronnego z oznakowaniem CE.

Ochronę dróg oddechowych:

Typ	Klasa	Kolor	Normy	
Brak szczególnych wymagań.				

Ochrona skór:

Polecamy	Typu/Kategorii	Normy	
Brak szczególnych przy zwykłym użyciu zgodnie z przeznaczeniem.	-	-	

Ochrona rąk:

Warunki pracy	Materiał	Grubość rękawicy (mm)	Czas wytrzymałości (min.)	Normy	
	Brak szczególnych wymagań.	-	-	-	
W przypadku długotrwałego narażenia lub wysokiego stężenia	Bawełny / Guma naturalna	-	> 120	EN374-2, EN16523-1, EN388	

Ochrona oczu:

Warunki pracy	Typ	Normy	
	Brak szczególnych wymagań.	-	
W przypadku długotrwałego narażenia lub wysokiego stężenia	Noś okulary ochronne z osłonami bocznymi.	EN166	

SEKCJA 9: WŁAŚCIWOŚCI FIZYCZNE I CHEMICZNE

9.1. Informacje na temat podstawowych właściwości fizycznych i chemicznych

Stan skupienia:

Ciekły

Kolor:

Bezbarwny

Zapach / Próg zapachu (ppm):

Perfumowany

pH:

ca. 4.8

Gęstość (g/cm³):

1,02 (20 °C)

Lepkość kinematyczna:

Brak dostępnych danych.

Charakterystyka cząsteczek:

Nie dotyczy cieczy.

Zmiana stanu skupienia i opary

Temperatura topnienia/krzepnięcia (°C):

Brak dostępnych danych.

Temperaturę/zakres mięknięcia (°C):

Nie dotyczy cieczy.

Temperatura wrzenia (°C):

Brak dostępnych danych.

Prężność pary:

Brak dostępnych danych.

Względna gęstość pary :

Brak dostępnych danych.

Temperatura rozkładu (°C):

Brak dostępnych danych.

Dane dotyczące niebezpieczeństwa pożaru i wybuchu

Temperatura zapłonu (°C):

Brak dostępnych danych.

Palność materiałów (°C):

Brak dostępnych danych.

Temperatura samozapłonu (°C):

Brak dostępnych danych.

Granice wybuchowości (obj. %):

Brak dostępnych danych.

Rozpuszczalność

Rozpuszczalność w wodzie:

Całkowicie rozpuszczalny

n-oktanol/woda współczynnik (LogKow):

Brak dostępnych danych.

Rozpuszczalność w tłuszczu (g/L):

Brak dostępnych danych.

9.2. Inne informacje

Inne parametry fizyczne i chemiczne:

Brak dostępnych danych.

Właściwości utleniające:

Brak dostępnych danych.

SEKCJA 10: STABILNOŚĆ I REAKTYWNOŚĆ

10.1. Reaktywność

Brak dostępnych danych.

10.2. Stabilność chemiczna

Przy prawidłowym użytkowaniu i przechowywaniu, zgodnie z sekcją 7 karty, produkt jest stabilny.

10.3. Możliwość występowania niebezpiecznych reakcji

Nie są znane.

10.4. Warunki, których należy unikać

Nie są znane.

10.5. Materiały niezgodne

Silne kwasy, silne zasady, silne utleniacze i silne reduktory.

10.6. Niebezpieczne produkty rozkładu

W normalnych warunkach magazynowania i stosowania niebezpieczne produkty rozpadu nie powinny być wytwarzane.

SEKCJA 11: INFORMACJE TOKSYKOLOGICZNE

11.1. Informacje na temat klas zagrożenia zdefiniowanych w rozporządzeniu (WE) nr 1272/2008

Toksyczność ostra

Produktu/składnik	nadtlenek wodoru, roztwór 35%
Rodzaj:	Szczur
Droga narażenia:	Doustnie
Test:	LD50
Wynik:	1.193 - 1.270 mg/L

Produktu/składnik	nadtlenek wodoru, roztwór 35%
Rodzaj:	Królik
Droga narażenia:	Naskórnice
Test:	LD50
Wynik:	>2.000 (35% oplopping) mg/kg

Produktu/składnik	1,2-benzotiazol-3(2H)-on; 1,2-benzotiazolin-3-on; 1,2-benzotiazolin-3-on
Rodzaj:	Szczur
Droga narażenia:	Doustnie
Test:	LD50
Wynik:	500 mg/kg

W oparciu o dostępne dane, kryteria klasyfikacji nie są spełnione.

Działanie żrące/drażniące na skórę

Produktu/składnik	nadtlenek wodoru, roztwór 35%
Wynik:	Zaobserwowano działania szkodliwe (Drażniący)

Produktu/składnik	1,2-benzotiazol-3(2H)-on; 1,2-benzotiazolin-3-on; 1,2-benzotiazolin-3-on
Metoda badania:	OECD 404
Wynik:	Zaobserwowano działania szkodliwe (Drażniący)

W oparciu o dostępne dane, kryteria klasyfikacji nie są spełnione.

Poważne uszkodzenie oczu/działanie drażniące na oczy

Produktu/składnik	nadtlenek wodoru, roztwór 35%
Wynik:	Zaobserwowano działania szkodliwe (Powoduje poważne uszkodzenie oczu)

Produktu/składnik	1,2-benzotiazol-3(2H)-on; 1,2-benzotiazolin-3-on; 1,2-benzotiazolin-3-on
Metoda badania:	OECD 405
Wynik:	Zaobserwowano działania szkodliwe (Powoduje poważne uszkodzenie oczu)

W oparciu o dostępne dane, kryteria klasyfikacji nie są spełnione.

Działanie uczulające na drogi oddechowe

Produktu/składnik	nadtlenek wodoru, roztwór 35%
Wynik:	Nie zaobserwowano działań szkodliwych (nie uczuła)

W oparciu o dostępne dane, kryteria klasyfikacji nie są spełnione.

Działanie uczulające na skórę

Produktu/składnik	1,2-benzotiazol-3(2H)-on; 1,2-benzotiazolin-3-on; 1,2-benzotiazolin-3-on
Metoda badania:	OECD 429
Rodzaj:	Mysz
Wynik:	Zaobserwowano działania szkodliwe (uczulające)

Produktu/składnik	1,2-benzotiazol-3(2H)-on; 1,2-benzotiazolin-3-on; 1,2-benzotiazolin-3-on
Metoda badania:	OECD 406
Rodzaj:	Świnka morska
Wynik:	Zaobserwowano działania szkodliwe (uczulające)

W oparciu o dostępne dane, kryteria klasyfikacji nie są spełnione.

Działanie mutagenne na komórki rozrodcze

W oparciu o dostępne dane, kryteria klasyfikacji nie są spełnione.

Działanie rakotwórcze

Produktu/składnik	nadtlenek wodoru, roztwór 35%
Wniosek:	Nie zaobserwowano działań szkodliwych

W oparciu o dostępne dane, kryteria klasyfikacji nie są spełnione.

Szkodliwe działanie na rozrodczość

Produktu/składnik nadtlenek wodoru, roztwór 35%
Wniosek: Nie zaobserwowano działań szkodliwych

W oparciu o dostępne dane, kryteria klasyfikacji nie są spełnione.

Działanie toksyczne na narządy docelowe – narażenie jednorazowe

W oparciu o dostępne dane, kryteria klasyfikacji nie są spełnione.

Działanie toksyczne na narządy docelowe – narażenie powtarzane

W oparciu o dostępne dane, kryteria klasyfikacji nie są spełnione.

Zagrożenie spowodowane aspiracją

Produktu/składnik nadtlenek wodoru, roztwór 35%
W oparciu o dostępne dane, kryteria klasyfikacji nie są spełnione.

11.2. Informacje o innych zagrożeniach

Długotrwałe działanie

Nie są znane.

Właściwości zaburzające funkcjonowanie układu hormonalnego

Mieszanina/produkt nie zawiera substancji uznawanych za zaburzające funkcjonowanie układu hormonalnego w odniesieniu do zdrowia.

Inne informacje

nadtlenek wodoru, roztwór 35%: Substancja została zakwalifikowana do grupy 3 wg IARC.

SEKCJA 12: INFORMACJE EKOLOGICZNE

12.1. Toksyczność

Produktu/składnik nadtlenek wodoru, roztwór 35%
Rodzaj: Ryba, Pimephales promelas
Czas: 96 godzin
Test: LC50
Wynik: 16,4 mg/L

Produktu/składnik nadtlenek wodoru, roztwór 35%
Rodzaj: Ryba, Leuciscus idus
Czas: 72 godzin
Test: LC50
Wynik: 35 mg/L

Produktu/składnik nadtlenek wodoru, roztwór 35%
Rodzaj: Ryba, Oncorhynchus mykiss
Czas: 7 dni
Test: LC50
Wynik: 38,5 mg/L

Produktu/składnik nadtlenek wodoru, roztwór 35%
Rodzaj: Daphnia pulex
Czas: 48 godzin
Test: CE50
Wynik: 2,4 mg/L

Produktu/składnik nadtlenek wodoru, roztwór 35%
Rodzaj: Daphnia magna
Czas: 24 godzin
Test: CE50
Wynik: 7,7 mg/L

Produktu/składnik nadtlenek wodoru, roztwór 35%
Rodzaj: Skeletonema costatum

Czas: 72 godzin
Test: CE50
Wynik: 1,38 mg/L

Produktu/składnik: nadtlenek wodoru, roztwór 35%
Metoda badania: OECD 209
Rodzaj: Bakteria
Element środowiska: Aktywowana instalacja z osadem
Czas: 30 minutes
Test: CE50
Wynik: 466 mg/L

Produktu/składnik: nadtlenek wodoru, roztwór 35%
Metoda badania: OECD 209
Rodzaj: Bakteria
Element środowiska: Aktywowana instalacja z osadem
Czas: 3 godzin
Test: CE50
Wynik: > 1.000 mg/L

Produktu/składnik: 1,2-benzotiazol-3(2H)-on; 1,2-benzotiazolin-3-on; 1,2-benzotiazolin-3-on
Rodzaj: Ryba
Czas: 96 godzin
Test: LC50
Wynik: >0.1-1 mg/L

Produktu/składnik: 1,2-benzotiazol-3(2H)-on; 1,2-benzotiazolin-3-on; 1,2-benzotiazolin-3-on
Rodzaj: Skorupiak
Czas: 48 godzin
Test: CE50
Wynik: >0.1-1 mg/L

Produktu/składnik: 1,2-benzotiazol-3(2H)-on; 1,2-benzotiazolin-3-on; 1,2-benzotiazolin-3-on
Rodzaj: Glon
Czas: 72 godzin
Test: CE50
Wynik: >0.1-1 mg/L

W oparciu o dostępne dane, kryteria klasyfikacji nie są spełnione.

12.2. Trwałość i zdolność do rozkładu

Produktu/składnik: Alcohol, C13, bran., EO, sulfat Na~
Wynik: > 60 %
Wniosek: Łatwe uleganie biodegradacji
Test: OECD 301 B

Produktu/składnik: nadtlenek wodoru, roztwór 35%
Wniosek: Łatwe uleganie biodegradacji

Produktu/składnik: 1,2-benzotiazol-3(2H)-on; 1,2-benzotiazolin-3-on; 1,2-benzotiazolin-3-on
Wynik: 90%
Wniosek: Łatwe uleganie biodegradacji
Test: OECD 302

Środek powierzchniowo czynny / środki powierzchniowo czynne zawarte w tym preparacie jest/są zgodny/e z kryteriami podatności na biodegradację zawartymi w dyrektywie (WE) nr 648/2004 dotyczącej detergentów. Dane potwierdzające ten fakt są do dyspozycji właściwych władz państw członkowskich i będą im udostępniane na ich bezpośrednią prośbę lub na prośbę producenta detergentów.

12.3. Zdolność do bioakumulacji

Produktu/składnik: nadtlenek wodoru, roztwór 35%
LogKow: -1,57

Wniosek: -

Produktu/składnik 1,2-benzoizotiazol-3(2H)-on; 1,2-benzoizotiazolin-3-on; 1,2-benzoizotiazolin-3-on
BCF: 2
LogKow: 1.45
Wniosek: Niska zdolność do bioakumulacji

12.4. Mobilność w glebie

Brak dostępnych danych.

12.5. Wyniki oceny właściwości PBT i vPvB

Mieszanina/produkt ten nie zawiera żadnej substancji spełniającej kryteria klasyfikacji jako PBT lub vPvB.

12.6. Właściwości zaburzające funkcjonowanie układu hormonalnego

Mieszanina/produkt nie zawiera substancji uznawanych za zaburzające funkcjonowanie układu endokrynnego w odniesieniu do środowiska.

12.7. Inne szkodliwe skutki działania

Nie są znane.

SEKCJA 13: POSTĘPOWANIE Z ODPADAMI

13.1. Metody unieszkodliwiania odpadów

Pozbywać się zgodnie z miejscowymi i narodowymi dyrektywami dotyczącymi gospodarki odpadów. (*)
HP 4 - Drażniące (działanie drażniące na skórę i powodujące uszkodzenie oczu)
Rozporządzenie Komisji (UE) NR 1357/2014 z dnia 18 grudnia 2014 r. zastępujące załącznik III do dyrektywy Parlamentu Europejskiego i Rady 2008/98/WE w sprawie odpadów oraz uchylającej niektóre dyrektywy. Ustawa z dnia 14.12.2012r. o odpadach, (Dz.U.2013 poz.21). Rozporządzenie Ministra Środowiska z dnia 9.12.2014r. w sprawie katalogu odpadów (Dz.U. 2014 poz. 1923).

Europejski kod odpadu (EWC):
20 01 30 Detergenty inne niż wymienione w 20 01 29

Zanieczyszczone opakowanie

Opakowania zawierające pozostałości produktu należy usuwać w taki sam sposób jak produkt.

SEKCJA 14: INFORMACJE DOTYCZĄCE TRANSPORTU

	14.1 UN / ID	14.2 Prawidłowa nazwa przewozowa UN	14.3 Klasa(-y) zagrożenia w transporcie	14.4 PG*	14.5. Env**	Inne informacje:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Grupa pakowania

** Zagrożenia dla środowiska

Inne

Nie jest niebezpiecznym towarem wg kodeksów ADR, IATA i IMDG

14.6. Szczególne środki ostrożności dla użytkowników

Nie dotyczy.

14.7. Transport morski luzem zgodnie z instrumentami IMO

Brak dostępnych danych.

SEKCJA 15: INFORMACJE DOTYCZĄCE PRZEPISÓW PRAWNYCH

15.1. Przepisy prawne dotyczące bezpieczeństwa, zdrowia i ochrony środowiska specyficzne dla substancji lub

mieszaniny

Ograniczenia użycia:

Produkt przeznaczony wyłącznie do użytku zawodowego.

Wymagania szczególnego wykształcenia:

Nie ma specjalnych wymagań.

SEVESO - Kategorie niebezpiecznych substancji / Wskazane substancje niebezpieczne:

Nie dotyczy.

Rozporządzenie w sprawie prekursorów materiałów wybuchowych:

nadtlenek wodoru, roztwór 35% (Aneks I)

Oznakowanie zawartości zgodnie z Rozporządzeniem nr 648/2004 w sprawie detergentów:

>5% - <15%

· Niejonowe środki powierzchniowo czynne

< 5%

· Anionowe środki powierzchniowo czynne

· Związki wybielające na bazie tlenu

· Kompozycje zapachowe

· Środek konserwujący (BENZISOTHIAZOLINONE)

Inne:

Środek powierzchniowo czynny / środki powierzchniowo czynne zawarte w tym preparacie jest/są zgodny/e z kryteriami podatności na biodegradację zawartymi w dyrektywie (WE) nr 648/2004 dotyczącej detergentów. Dane potwierdzające ten fakt są do dyspozycji właściwych władz państw członkowskich i będą im udostępniane na ich bezpośrednią prośbę lub na prośbę producenta detergentów.

Źródła:

Rozporządzenie (WE) nr 648/2004 Parlamentu Europejskiego i Rady z dnia 31 marca 2004 r. w sprawie detergentów.

Rozporządzenie Komisji (UE) NR 1357/2014 z dnia 18 grudnia 2014 r. zastępujące załącznik III do dyrektywy Parlamentu Europejskiego i Rady 2008/98/WE w sprawie odpadów oraz uchylającej niektóre dyrektywy. Ustawa z dnia 14.12.2012r. o odpadach, (Dz.U.2013 poz.21). Rozporządzenie Ministra Środowiska z dnia 9.12.2014r. w sprawie katalogu odpadów (Dz.U. 2014 poz. 1923).

Rozporządzenie (UE) 2019/1148 w sprawie prekursorów materiałów wybuchowych.

Rozporządzenie Parlamentu Europejskiego i Rady (WE) nr 1272/2008 z dnia 16 grudnia 2008 r. w sprawie klasyfikacji, oznakowania i pakowania substancji i mieszanin (CLP).

Rozporządzenie Ministra Pracy i Polityki Społecznej z dnia 26.09.1997r. w sprawie ogólnych przepisów bezpieczeństwa i higieny pracy. (Dz.U. 2003 nr 169 poz. 1650) z późniejszymi zmianami.

Rozporządzenie Ministra Zdrowia z dnia 30.12.2004 roku w sprawie bezpieczeństwa i higieny pracy związanej z występowaniem w miejscu pracy czynników chemicznych. (Dz. U. z 2005r. Nr 11, poz. 86) z późniejszymi zmianami.

ROZPORZĄDZENIE PARLAMENTU EUROPEJSKIEGO I RADY (UE) 2016/425 z dnia 9 marca 2016 r. w sprawie środków ochrony indywidualnej oraz uchylenia dyrektywy Rady 89/686/EWG.

Ustawa o substancjach i ich mieszaninach z dnia 25.02.2011r. (Dz.U. 2011 nr 63 poz. 322) z późniejszymi zmianami.

Rozporządzenie (WE) nr 1907/2006 PeiR z dnia 18.12.2006r. w sprawie rejestracji, oceny, udzielania zezwoleń i stosowanych ograniczeń w zakresie chemikaliów (REACH), utworzenia Europejskiej Agencji Chemikaliów, zmieniające dyrektywę 1999/45/WE oraz uchylające rozporządzenie Rady (EWG) nr 793/93 i rozporządzenie Komisji (WE) nr 1488/94, jak również dyrektywę Rady 76/769/EWG i dyrektywy Komisji 91/155/EWG, 93/67/EWG, 93/105/WE i 2000/21/WE.

15.2. Ocena bezpieczeństwa chemicznego

Nie

SEKCJA 16: INNE INFORMACJE

Pełne sformułowanie zwrotów ryzyka wymienionych w sekcji 3

H271, Może spowodować pożar lub wybuch; silny utleniacz.

H302, Działa szkodliwie po połknięciu.

H314, Powoduje poważne oparzenia skóry oraz uszkodzenia oczu.

H315, Działa drażniąco na skórę.

H318, Powoduje poważne uszkodzenie oczu.

H319, Działa drażniąco na oczy.
H332, Działa szkodliwie w następstwie wdychania.
H335, Może powodować podrażnienie dróg oddechowych.
H336, Może wywoływać uczucie senności lub zawroty głowy.
H412, Działa szkodliwie na organizmy wodne, powodując długotrwałe skutki.

Skróty i akronimy

ADN = Europejskie Warunki dotyczące Międzynarodowego Przewozu Niebezpiecznych Towarów Wodnymi Drogami Śródlądowymi
ADR = Europejskie Porozumienie dotyczące Międzynarodowych Przewozów Niebezpiecznych Towarów Transportem Drogowym
ATE = Szacunkowa toksyczność ostra
BCF = Współczynnik biokoncentracji
CAS = Chemical Abstract Service (Serwis Wypisów Chemicznych)
CE = Zgodność europejska
CLP = Rozporządzenie dotyczące klasyfikacji, oznakowania i pakowania (Rozporządzenie (WE) nr 1272/2008)
CSA = Ocena bezpieczeństwa chemicznego
CSR = Raport bezpieczeństwa chemicznego
DNEL = Pochodny Poziom Niepowodujący Zmian
EINECS = Europejski Spis Istniejących Substancji Chemicznych Znajdujących się na Rynku
ES = Scenariusz narażenia
EUH statement = CLP Zwrot wskazujący rodzaj zagrożenia
EuPCS = Europejski system klasyfikacji produktów
EWC = Europejski Katalog Odpadów
GHS = Globalnie Zharmonizowany System Klasyfikacji i Oznakowania Chemikaliów
GWP = Współczynnik globalnego ocieplenia
IATA = Międzynarodowe Zrzeszenie Przewoźników Powietrznych
IBC = Intermediate Bulk Container
IMDG = Międzynarodowy Morski Kod Towarów Niebezpiecznych
LogPow = logarytm współczynnika podziału oktanolu/wody
MARPOL = Międzynarodowa Konwencja Zapobiegania Zanieczyszczeniom ze Statków, 1973 modyfikowana Protokołem z roku 1978 (Marpol = zanieczyszczenia morskie)
NDS = średniej ważonej w czasie
OECD = Organizacja Współpracy Ekonomicznej i Rozwoju
PBT = Trwały, wykazujący zdolność do bioakumulacji i toksyczny
PNEC = Przewidywane Stężenie Niepowodujące Zmian w Środowisku
RID = Regulamin dla międzynarodowego przewozu kolejami towarów niebezpiecznych
RRN = Numer rejestracyjny REACH
SCL = Specyficzne stężenie.
SVHC = Substancja wzbudzająca poważne obawy
STOT-RE = Toksyczność docelowa specyficznego narządu - powtarzalne narażenie
STOT-SE = Toksyczność docelowa specyficznego narządu - jednorazowe narażenie
UN = Organizacja Narodów Zjednoczonych (ONZ)
UVCB = Oznacza substancje o nieznanym lub zmiennym składzie, złożone produkty reakcji lub materiały biologiczne.
VOC = Lotny związek organiczny
vPvB = Bardzo trwałe i wykazujące bardzo dużą zdolność do bioakumulacji

Inne

Nie dotyczy.

Karta charakterystyki została zatwierdzona przez

Quality & Compliance

Inne

Zmiany w stosunku do ostatniej aktualizacji (pierwsza cyfra w wersji karty SDS, sekcji 1) tej karty charakterystyki są oznakowane trójkątami.
Informacje zawarte w niniejszej karcie charakterystyki odnoszą się tylko do produktu wymienionego w sekcji 1 i mogą nie być aktualne w odniesieniu do użycia razem z innymi produktami.
Zaleca się dostarczenie niniejszej karty charakterystyki faktycznemu użytkownikowi produktu. Wymienione informacje nie mogą być używane jako specyfikacja produktu.
Kraj-język: PL-pl

SAFETY DATA SHEET

i.1 all-purpose cleaner FlexDose

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

SDS created for QATAR according to GHS

1.1. Product identifier

▼ *Trade name:*

i.1 all-purpose cleaner FlexDose

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses of the substance or mixture:

Washing and cleaning products (including solvent based products)

Restricted to professional users.

Uses advised against :

None known.

1.3. Details of the supplier of the safety data sheet

Company and address:

Hygeniq B.V.

Postbus 618

7500 AP Enschede

The Netherlands

+31 53 4282860

+31 53 5393865

www.hygeniq.com

E-mail:

info@hygeniq.com

SDS date:

27/06/2025

SDS Version:

2.0

Date of previous version:

02/06/2025 (1.0)

1.4. Emergency telephone number

Contact the local emergency services.

See section 4 "First aid measures".

SECTION 2: HAZARDS IDENTIFICATION

Classified according to GHS.

2.1. Classification of the substance or mixture

Skin Irrit. 3; H316, Causes mild skin irritation

2.2. Label elements

Hazard pictogram(s):

Not applicable.

Signal word:

Warning

Hazard statement(s):

Causes mild skin irritation (H316)

Precautionary statement(s):

General:

-

Prevention:

-

Response:

If skin irritation occurs: Get medical advice/attention. (P332+P313)

Storage:

-

Disposal:

-

Hazardous substances:

Does not contain any substances required to report

Additional labelling:

Not applicable.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable. This product is a mixture.

3.2. Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
Alcohol, C13, bran., EO, sulfate Na~	CAS No.: 150413-26-6 EC No.: 688-316-0	1-3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 3, H412	
hydrogen peroxide	CAS No.: 7722-84-1 EC No.: 231-765-0	1-3%	Ox. Liq. 1, H271 Acute Tox. 4, H302 Skin Corr. 1A, H314 (SCL: 70.00 %) Skin Corr. 1B, H314 (SCL: 50.00 %) Skin Irrit. 2, H315 (SCL: 35.00 %) Eye Dam. 1, H318 (SCL: 8.00 %) Eye Irrit. 2, H319 (SCL: 5.00 %) Acute Tox. 4, H332 STOT SE 3, H336 (SCL: 35.00 %)	
citroenzuurmonohydraat	CAS No.: 5949-29-1 EC No.: 611-842-9	<0.1%	Eye Irrit. 2, H319	

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information

-

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General information:

In the case of accident: Contact a doctor or casualty department – bring the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

Inhalation:

Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

Skin contact:

Remove contaminated clothing and shoes immediately. Ensure to wash exposed skin thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or thinners.

Eye contact:

If in eyes: Flush eyes with water or saline water (20-30 °C) for at least 5 minutes. Remove contact lenses. Seek medical assistance and continue flushing during transport.

Ingestion:

If the person is conscious, rinse the mouth with water and stay with the person. Never give the person anything to drink.

In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the person lean forward with head down to avoid inhalation of or choking on vomited material.

Burns:

Not applicable.

4.2. Most important symptoms and effects, both acute and delayed

None known.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

Information to medics

Bring this safety data sheet or the label from this product.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Not applicable.

5.2. Special hazards arising from the substance or mixture

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

Carbon oxides (CO / CO₂)

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact the national poisons emergency services in order to obtain further advice.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Contaminated areas may be slippery.

6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.

Keep unauthorized persons away from the spill

6.3. Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.
Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections

See section 13 "Disposal considerations" on handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Smoking, drinking and consumption of food is not allowed in the work area.

See section 8 "Exposure controls/personal protection" for information on personal protection.

7.2. Conditions for safe storage, including any incompatibilities

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Recommended storage material:

Keep only in original packaging.

Storage conditions:

Dry, cool and well ventilated

Incompatible materials:

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

No substances are listed with an occupational exposure limit.

8.2. Exposure controls

Apply general control to prevent unnecessary exposure

General recommendations:

Smoking, drinking and consumption of food is not allowed in the work area.

Exposure scenarios:

There are no exposure scenarios implemented for this product.

Exposure limits:

Occupational exposure limits have not been defined for the substances in this product.

Appropriate technical measures:

Apply standard precautions during use of the product. Avoid inhalation of vapours.

Hygiene measures:

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Pay special attention to hands, forearms and face.

Measures to avoid environmental exposure:

No specific requirements.

Individual protection measures, such as personal protective equipment

Generally:

Use only CE marked protective equipment.

Respiratory Equipment:

Type	Class	Colour	Standards	
No special when used as intended.				

Skin protection:

Recommended	Type/Category	Standards	
No special when used as intended.	-	-	

Hand protection:

Work situation	Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
	No special when used as intended	-	-	-	
In the event of prolonged exposure or high concentrations	Cotton/Latex	-	> 120	EN374-2, EN16523-1, EN388	

Eye protection:

Work situation	Type	Standards	
	No special when used as intended.	-	
In the event of prolonged exposure or high concentrations	Safety glasses with side shields.	EN166	

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Form:

Liquid

Colour:

Colourless

Odour:

Of perfume

Odour threshold (ppm):

No data available.

pH:

ca. 4.8

Density (g/cm³):

1.02 (20 °C)

Kinematic viscosity:

No data available.

Particle characteristics:

Does not apply to liquids.

Phase changes

Melting point/Freezing point (°C):

No data available.

Softening point/range (°C):

Does not apply to liquids.

Boiling point (°C):

No data available.

Vapour pressure:

No data available.

Relative vapour density:

No data available.

Decomposition temperature (°C):

No data available.

Evaporation rate (n-butylacetate = 100):

Data on fire and explosion hazards

Flash point (°C):

No data available.

Flammability (°C):

No data available.

Auto-ignition temperature (°C):

No data available.

Explosion limits (% v/v):

No data available.

Solubility

Solubility in water:

Completely soluble

n-octanol/water coefficient (LogKow):

No data available.

Solubility in fat (g/L):

No data available.

9.2. Other information

No data available.

Other physical and chemical parameters:

No data available.

Oxidizing properties:

No data available.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

10.2. Chemical stability

The product is stable under the conditions, noted in section 7 "Handling and storage".

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity

Product/substance	hydrogen peroxide
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	1.193 - 1.270 mg/L

Product/substance	hydrogen peroxide
Species:	Rabbit
Route of exposure:	Dermal
Test:	LD50
Result:	>2.000 (35% oplossing) mg/kg

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	500 mg/kg

Based on available data, the classification criteria are not met.

Skin corrosion/irritation

Product/substance	hydrogen peroxide
Result:	Adverse effect observed (Irritating)

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Test method:	OECD 404
Result:	Adverse effect observed (Irritating)

Based on available data, the classification criteria are not met.

Serious eye damage/irritation

Product/substance	hydrogen peroxide
Result:	Adverse effect observed (Causes serious eye damage)

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Test method:	OECD 405
Result:	Adverse effect observed (Causes serious eye damage)

Based on available data, the classification criteria are not met.

Respiratory sensitisation

Product/substance	hydrogen peroxide
Result:	No adverse effect observed (not sensitising)

Based on available data, the classification criteria are not met.

Skin sensitisation

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Test method:	OECD 429
Species:	Mouse
Result:	Adverse effect observed (sensitising)

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Test method:	OECD 406
Species:	Guinea pig
Result:	Adverse effect observed (sensitising)

Based on available data, the classification criteria are not met.

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Product/substance	hydrogen peroxide
Conclusion:	No adverse effect observed

Based on available data, the classification criteria are not met.

hydrogen peroxide has been classified by IARC as a group 3 carcinogen.

Reproductive toxicity

Product/substance	hydrogen peroxide
Conclusion:	No adverse effect observed

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Product/substance hydrogen peroxide

Based on available data, the classification criteria are not met.

Long term effects

None known.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Product/substance	hydrogen peroxide
Species:	Fish, Pimephales promelas
Duration:	96 hours
Test:	LC50
Result:	16,4 mg/L

Product/substance	hydrogen peroxide
Species:	Fish, Leuciscus idus
Duration:	72 hours
Test:	LC50
Result:	35 mg/L

Product/substance	hydrogen peroxide
Species:	Fish, Oncorhynchus mykiss
Duration:	7 days
Test:	LC50
Result:	38,5 mg/L

Product/substance	hydrogen peroxide
Species:	Daphnia pulex
Duration:	48 hours
Test:	EC50
Result:	2,4 mg/L

Product/substance	hydrogen peroxide
Species:	Daphnia magna
Duration:	24 hours
Test:	EC50
Result:	7,7 mg/L

Product/substance	hydrogen peroxide
Species:	Skeletonema costatum
Duration:	72 hours
Test:	EC50
Result:	1,38 mg/L

Product/substance	hydrogen peroxide
Test method:	OECD 209
Species:	Bacteria
Compartment:	Activated Sludge Plant
Duration:	30 minutes
Test:	EC50
Result:	466 mg/L

According to GHS Rev. 8, 2019

Product/substance	hydrogen peroxide
Test method:	OECD 209
Species:	Bacteria
Compartment:	Activated Sludge Plant
Duration:	3 hours
Test:	EC50
Result:	> 1.000 mg/L
Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Species:	Fish
Duration:	96 hours
Test:	LC50
Result:	>0.1-1 mg/L
Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Species:	Crustacean
Duration:	48 hours
Test:	EC50
Result:	>0.1-1 mg/L
Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Species:	Algae
Duration:	72 hours
Test:	EC50
Result:	>0.1-1 mg/L

Based on available data, the classification criteria are not met.

12.2. Persistence and degradability

Product/substance	Alcohol, C13, bran., EO, sulfate Na~
Result:	> 60 %
Conclusion:	Readily biodegradable
Test:	OECD 301 B

Product/substance	hydrogen peroxide
Conclusion:	Readily biodegradable

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Result:	90%
Conclusion:	Readily biodegradable
Test:	OECD 302

12.3. Bioaccumulative potential

Product/substance	hydrogen peroxide
LogKow:	-1,57
Conclusion:	-

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
BCF:	2
LogKow:	1.45
Conclusion:	Potential for bioaccumulation is low

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

12.6. Other adverse effects

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

Dispose of contents/container to an approved waste disposal plant.

Specific labelling

Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: TRANSPORT INFORMATION

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Packing group

** Environmental hazards

Additional information

Not dangerous goods according to ADR, IATA and IMDG.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

No data available.

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Restrictions for application:

Restricted to professional users.

Demands for specific education:

No specific requirements.

Additional information:

Not applicable.

Sources:

Globally Harmonized System of Classification and Labelling of Chemicals (GHS Rev. 8, 2019)

15.2. Chemical safety assessment

No

SECTION 16: OTHER INFORMATION

Full text of H-phrases as mentioned in section 3

H271, May cause fire or explosion; strong oxidiser.

H302, Harmful if swallowed.

H314, Causes severe skin burns and eye damage.

H315, Causes skin irritation.

H318, Causes serious eye damage.

H319, Causes serious eye irritation.
H332, Harmful if inhaled.
H336, May cause drowsiness or dizziness.
H412, Harmful to aquatic life with long lasting effects.

The full text of identified uses as mentioned in section 1

None known.

Abbreviations and acronyms

ACGIH = American Conference of Governmental Industrial Hygienists
ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway
ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
CAS = Chemical Abstracts Service
CERCLA = Comprehensive Environmental Response Compensation and Liability Act
DOT = Department of Transportation
EINECS = European Inventory of Existing Commercial chemical Substances
EPCRA = Emergency Planning and Community Right-To-Know Act
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
HCIS = Hazardous Chemical Information System
HNOC = Hazards Not Otherwise Classified
IARC = International Agency for Research on Cancer
IATA = International Air Transport Association
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
NFPA = National Fire Protection Association
NIOSH = National Institute for Occupational Safety and Health
OECD = Organisation for Economic Co-operation and Development
OSHA = Occupational Safety and Health Administration
PBT = Persistent, Bioaccumulative and Toxic
RCRA = Resource Conservation and Recovery Act
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
RRN = REACH Registration Number
SARA = Superfund Amendments and Reauthorization Act
SCL = A specific concentration limit.
STEL = Short-term exposure limits
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
STOT-SE = Specific Target Organ Toxicity - Single Exposure
TSCA = The Toxic Substances Control Act
TWA = Time weighted average
UN = United Nations
UVBC = Unknown or variable composition, complex reaction products or of biological materials
VOC = Volatile Organic Compound
vPvB = Very Persistent and Very Bioaccumulative

Additional information

Not applicable.

The safety data sheet is validated by

Quality & Compliance

Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

Country-language: QA-en

FIȘĂ CU DATE DE SECURITATE

i.1 all-purpose cleaner FlexDose

SECȚIUNEA 1: IDENTIFICAREA SUBSTANȚEI/AMESTECULUI ȘI A SOCIETĂȚII/ÎNȚREPRINDERII

1.1. Element de identificare a produsului

▼ *Nume comercial:*

i.1 all-purpose cleaner FlexDose

1.2. Utilizări relevante identificate ale substanței sau ale amestecului și utilizări contraindicate

Utilizări de identificare relevante ale substanței sau amestecurilor:

Detergenți și agenți de curățare (inclusiv cei pe bază de solvenți)

Utilizare limitată numai în scopuri profesionale.

Utilizați împotriva:

Nimeni familiar.

1.3. Detalii privind furnizorul fișei cu date de securitate

Companie și adresă:

Hygeniq B.V.

Postbus 618

7500 AP Enschede

The Netherlands

+31 53 4282860

+31 53 5393865

www.hygeniq.com

E-mail:

info@hygeniq.com

Revizuire:

27.06.2025

Versiune SDS:

2.0

Data emiterii anterioare:

02.06.2025 (1.0)

1.4. Număr de telefon care poate fi apelat în caz de urgență

BIROUL PT REGULAMENTUL SANITAR INTERNATIONAL SI INFORMARE TOXICOLOGICA: (+40) 21 599 2300

Vedeți secțiunea 4 - Măsurile de prim ajutor

SECȚIUNEA 2: IDENTIFICAREA PERICOLELOR

2.1. Clasificarea substanței sau a amestecului

Neclasificat în conformitate cu Regulamentul (CE) Nr. 1272/2008 (CLP).

2.2. Elemente pentru etichetă

Pictograma periculoasă:

Nu este aplicabil.

Cuvânt de semnal:

Nu este aplicabil.

Declarație periculoasă:

Nu este aplicabil.

Fraze de precauție:

General:

-

Prevenire:

-

Raspuns:

-

Stocare:

-

Aruncare:

-

Identitatea substanțelor ce sunt responsabile pentru majoritatea pericolelor de sănătate.:

Nu conține substanțe necesare pentru a raporta

Etichetare adițională:

EUH210, Fișa cu date de securitate disponibilă la cerere.

Etichetarea conținutului în conformitate cu Regulamentul privind detergenții 648/2004 (aplicabil ambalajelor detergenților vânduți publicului larg):

>5% - <15%

· Agenți tensioactivi neionici

< 5%

· Agenți tensioactivi anionici

· Agenți de înălbire pe bază de oxigen

· Parfumuri

· Conservant (BENZISOTHIAZOLINONE)

2.3. Alte pericole

Avertismente adiționale:

Acest amestec/produs nu conține nicio substanță care îndeplinește criteriile de clasificare ca PBT și/sau vPvB.

Acest produs nu conține substanțe considerate a fi perturbatoare endocrine în conformitate cu criteriile incluse în Regulamentul Delegat al Comisiei (UE) 2017/2100 sau Regulamentul Comisiei (UE) 2023/707.

SECȚIUNEA 3: COMPOZIȚIE/INFORMAȚII PRIVIND COMPONENTII

3.1. Substanțe

Nu este aplicabil. Acest produs este un amestec.

3.2. Amestecuri

Produs/ingredient	Identificatori	% w/w	Clasificare	Notițe
Alcohol, C13, bran., EO, sulfat Na~	Nr. CAS: 150413-26-6 Nr. CE: 688-316-0 REACH: Nr. de index:	1-3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 3, H412	
peroxid de hydrogen, solutie 35%	Nr. CAS: 7722-84-1 Nr. CE: 231-765-0 REACH: 01-2119485845-22-XXXX Nr. de index: 008-003-00-9	1-3%	Ox. Liq. 1, H271 Acute Tox. 4, H302 Skin Corr. 1A, H314 (SCL: 70,00 %) Skin Corr. 1B, H314 (SCL: 50,00 %) Skin Irrit. 2, H315 (SCL: 35,00 %) Eye Dam. 1, H318 (SCL: 8,00 %) Eye Irrit. 2, H319 (SCL: 5,00 %) Acute Tox. 4, H332 STOT SE 3, H336 (SCL: 35,00 %)	

citroenzuurmonohydraat	Nr. CAS: 5949-29-1 Nr. CE: 611-842-9 REACH: 01-2119457026-42-XXXX Nr. de index:	<0.1%	Eye Irrit. 2, H319	
Disodium tin hexahydroxide	Nr. CAS: 12027-70-2 Nr. CE: 234-724-5 REACH: 01-2120770924-45-XXXX Nr. de index:	<0.05%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	[1]

Vedeți textul complet al frazelor H în secțiunea 16. Limitele de expunere ocupaționale sunt listate în secțiunea 8, dacă sunt disponibile.

Alte informații

[1] Limita de expunere profesională în Europa.

SECȚIUNEA 4: MĂSURI DE PRIM AJUTOR

4.1. Descrierea masurilor de prim ajutor

Informații generale:

În cazul accidentului contactați imediat doctorul sau departamentul în cauză. Luați cu dvs. Eticheta sau dateșe de siguranță.

Contactați un doctor, dacă aveți dubii cu privire la condițiile persoanei rănite sau dacă simptomele continuă.

Niciodată nu oferiți unei persoane inconștientă apă sau produse similare.

Inhalare:

La dificultăți de respirație sau iritații ale tractului respirator: Scoateți persoana la aer curat și rămâneți cu ea.

Contact cu pielea:

În caz de iritație, clătiți produsul. În cazul unei iritații continue, apelați imediat la asistență medicală.

Contactul cu ochii:

ÎN CAZ DE CONTACT CU OCHII: Clătiți ochii cu apă sau apă de mare (20-30 °C) pentru cel puțin 5 minute.

Îndepărtați lentilele de contact. Apelați la asistență medicală și continuați să vă clătiți pe drum.

Înghițire:

Dacă persoana este conștientă, clătiți-i gura cu apă și rămâneți cu persoana respectivă. Dacă persoana nu se simte bine, contactați imediat doctorul și luați datele de siguranță sau eticeta produsului cu dvs. Nu induceți vomitarea decât dacă acest lucru este recomandat de doctor. Țineți capul în jos astfel încât voma să nu intre înapoi în gură și gât.

Arsuri:

Nu este aplicabil.

4.2. Cele mai importante simptome și efecte, atât acute, cât și întârziate

Nimeni familiar.

4.3. Indicații privind orice fel de asistență medicală imediată și tratamentele speciale necesare

Tratați simptomatic.

Informații pentru medici

Aduceți fișă cu date de securitate și eticheta materialului cu dvs.

SECȚIUNEA 5: MĂSURI DE COMBATERE A INCENDIILOR

5.1. Mijloace de stingere a incendiilor

Nu este aplicabil.

5.2. Pericole speciale cauzate de substanța sau de amestecul în cauză

Focul va rezulta într-un fum gros. Expunerea la produsele catabolice pot dăuna sănătății. Containerele închise ce sunt expuse la foc trebuie să fie răcite cu apă. Nu lăsați apa din extincătoarele de foc să intre în containere și alți curenți de apă.

Dacă produsul este expus la temperaturi ridicate, precum focul, sunt produse substanțe catabolice periculoase.

Acestea sunt

Oxizi de carbon (CO / CO₂)

5.3. Recomandari destinate pompierilor

Nu există cerințe specifice.

SECȚIUNEA 6: MĂSURI DE LUAT ÎN CAZ DE DISPERSIE ACCIDENTALĂ

6.1. Precauții personale, echipament de protecție și proceduri de urgență

Zonele contaminate pot fi alunecoase.

6.2. Precauții pentru mediul înconjurător

Evitați descărcarea în lacuri, ape curgătoare, canale colectoare, etc.

Țineți persoanele neautorizate departe de deversare.

6.3. Metode și material pentru izolarea incendiilor și pentru curățenie

Opriti și colectați scurgerile cu material necombustibil, absorbant, de ex. nisip, pământ, vermiculită sau pământ de diatomee, și puneți-le într-un recipient pentru eliminare în conformitate cu reglementările locale.

Curățarea trebuie să fie făcută cât mai departe posibil utilizând agenți de curățare. Nu utilizați solvenți.

6.4. Trimitere la alte secțiuni

Vedeți secțiunea 13 Considerații privind eliminarea - pentru manipularea deșeurilor.

Vedeți secțiunea 8 Controale ale expunerii/protecția personală măsuri de protecție.

SECȚIUNEA 7: MANIPULAREA ȘI DEPOZITAREA

7.1. Precauții pentru manipularea în condiții de securitate

Fumatul, consumul alimentelor și lichidelor, și stocarea tutunului, alimentelor și lichidelor nu este permisă în zonele de lucru.

Vedeți secțiunea Controale ale expunerii/protecția personală pentru informații privind măsuri de protecție personală.

7.2. Condiții de depozitare în condiții de securitate, inclusiv eventuale incompatibilități

Containerele care au fost deschise trebuie să fie eliberate cu atenție și menținute drepte pentru a preveni scurgerile.

Compatibilitățile privind ambalarea:

A se păstra numai în ambalajul original.

Condiții de depozitare:

Uscată, răcoroasă și bine ventilată

Materiale incompatibile:

Acizi puternici, baze puternice, agenți de oxidare puternici, și agenți de reducere puternici

7.3. Utilizare (utilizari) finala (finale) specifica (specifice)

Acest produs trebuie să fie utilizat doar pentru aplicarea descrisă în secțiunea 1.2.

SECȚIUNEA 8: CONTROALE ALE EXPUNERII/PROTECȚIA PERSONALĂ

8.1. Parametri de control

Produsul nu conține nicio substanță menționată în lista de substanțe cu o limită de expunere profesională, valabilă în România.

DNEL

1,2-benzotiazol-3(2H)-onă; 1,2-benzisotiazolin-3-onă; 1,2-benzisotiazolin-3-ona

Durata:	Ruta expunerii:	DNEL:
Termen lung - efecte sistemice - lucrători	Epidermică	966 µg/kg/zi

Termen lung - efecte sistemice - populație generală	Epidermică	0.345 mg/kg
Termen lung - efecte sistemice - lucrători	Inhalare	6.81 mg/m ³
Termen lung - efecte sistemice - populație generală	Inhalare	1.2 mg/m ³

Disodium tin hexahydroxide

Durata:	Ruta expunerii:	DNEL:
Termen lung - efecte sistemice - lucrători	Epidermică	3.37 mg/kg/zi
Termen lung - efecte sistemice - populație generală	Epidermică	1.21 mg/kg/zi
Termen lung - efecte sistemice - lucrători	Inhalare	11.9 mg/m ³
Termen lung - efecte sistemice - populație generală	Inhalare	1.78 mg/m ³
Termen lung - efecte sistemice - populație generală	Orală	1.21 mg/kg/zi

peroxid de hydrogen, solutie 35%

Durata:	Ruta expunerii:	DNEL:
Termen lung - efecte locale - lucrători	Inhalare	1.4 mg/m ³
Termen lung - efecte locale - populație generală	Inhalare	0.21 mg/m ³
Termen lung - efecte locale - populație generală	Inhalare	210 µg/m ³
Termen scurt - efecte locale - lucrători	Inhalare	3 mg/m ³
Termen scurt - efecte locale - populație generală	Inhalare	1.93 mg/m ³

PNEC

1,2-benzotiazol-3(2H)-onă; 1,2-benzisotiazolin-3-onă; 1,2-benzisotiazolin-3-ona

Ruta expunerii:	Durata expunerii:	PNEC:
Apă de mare		403 ng/L
Apă dulce		4.03 µg/L
Eliberare intermitentă (apă de mare)		110 ng/L
Eliberare intermitentă (apă dulce)		1.1 µg/L
Sedimente de apă de mare		4.99 µg/kg
Sedimente de apă dulce		49.9 µg/kg
Sol		3 mg/kg
Stație de epurare a apelor uzate		1.03 mg/L

Disodium tin hexahydroxide

Ruta expunerii:	Durata expunerii:	PNEC:
Apă de mare		3.31 µg/L
Apă dulce		33.1 µg/L
Eliberare intermitentă (apă de mare)		33.1 µg/L
Eliberare intermitentă (apă dulce)		331 µg/L
Sedimente de apă de mare		139.46 µg/kg
Sedimente de apă dulce		1.395 mg/kg
Stație de epurare a apelor uzate		10 mg/L

peroxid de hydrogen, solutie 35%

Ruta expunerii:	Durata expunerii:	PNEC:
Apă de mare		0.047 mg/L
Apă de mare		12.6 µg/L
Apă dulce		0.0126 mg/L

Apă dulce		12.6 µg/L
Eliberare intermitentă (apă dulce)		13.8 µg/L
Sedimente de apă de mare		0,047 mg/L
Sedimente de apă de mare		47 µg/kg
Sedimente de apă dulce		0,047 mg/kg
Sedimente de apă dulce		47 µg/kg
Sol		0,023 mg/kg
Sol		2.3 µg/kg
Stație de epurare a apelor uzate		4.66 mg/L
Stație de epurare a apelor uzate		4.66 mg/L

8.2. Controale ale expunerii

Controlați aplicarea în general pentru a preveni expunerea inutilă.

Recomandări generale:

Fumatul, consumul alimentelor și lichidelor, și stocarea tutunului, alimentelor și lichidelor nu este permisă în zonele de lucru.

Scenariile de expunere:

Nu există scenarii de expunere implementate pentru acest produs

Limite expunere:

Dacă nu există limite maxime de expunere pentru substanțe conținute în acest produs.

Măsuri tehnice corespunzătoare:

Aplicați măsurile standard de precauție în timpul utilizării produsului. Evitați inhalarea vaporilor.

Măsuri de igiena:

Atunci când doriți să luați o pauză de la utilizarea acestui produs sau când ați terminat, toate zonele corpului expuse trebuie să fie spălate. Acordați o atenție deosebită mâinilor, antebrățelor și feței.

Măsuri pentru evitarea expunerii la mediu:

Nu există cerințe specifice.

Măsuri de protecție individuale, cum ar fi echipamente de protecție personale

General:

Utilizați doar echipamentele de protecție marcate CE

Echipament de respirație:

Tipul	Clasa	Culoare	Standardele	
Nu este special dacă este utilizat după scop				

Protecția pielii:

Recomandat	Tip/Categoria	Standardele	
Nu este special dacă este utilizat după scop	-	-	

Protecția mâinii:

Situație de lucru	Material	Grosimea minimă a stratului (mm)	Timpul de perforare (min.)	Standardele	
	Nu este special dacă este utilizat după scop	-	-	-	
În cazul expunerii prelungite sau al concentrațiilor ridicate	Bumbac / Cauciuc natural (latex)	-	> 120	EN374-2, EN16523-1, EN388	

Protecția ochilor:

Situație de lucru	Tipul	Standardele	
	Nu este special dacă este utilizat după scop	-	
În cazul expunerii prelungite sau al concentrațiilor ridicate	Purtați ochelari cu protecție laterală.	EN166	

SECȚIUNEA 9: PROPRIETĂȚILE FIZICE ȘI CHIMICE

9.1. Informații privind proprietățile fizice și chimice de bază

Forma:

Lichid

Culoare:

Incolor

Parfum / Pragul de acceptare a mirosului (ppm):

De parfum

pH:

ca. 4.8

Densitate (g/cm³):

1,02 (20 °C)

Viscozitatea cinematică:

Nu există date disponibile.

Caracteristicile particulei:

Nu se aplică lichidelor.

Modificari fazice

Punctul de topire/punctul de înghețare (°C):

Nu există date disponibile.

Punctul / intervalul de înmuiere (°C):

Nu se aplică lichidelor.

Punct de fierbere (°C):

Nu există date disponibile.

Presiune vaporică:

Nu există date disponibile.

Densitatea relativă a vaporilor:

Nu există date disponibile.

Temperatura de descompunere (°C):

Nu există date disponibile.

Date privind focul și pericolele de explozie

Temperatura de aprindere (°C):

Nu există date disponibile.

Inflamabilitatea (°C):

Nu există date disponibile.

Temperatura de autoaprindere (°C):

Nu există date disponibile.

Limite expunere (Vol%):

Nu există date disponibile.

Solubilitate

Solubilitate în apă:

Complet solubil

n-octanol/ coeficient apa (LogKow):

Nu există date disponibile.

Solubilitate în grasimi (g/L):

Nu există date disponibile.

9.2. Alte informații

Alți parametri fizici și chimici:

Nu există date disponibile.

Proprietăți oxidante:

Nu există date disponibile.

SECȚIUNEA 10: STABILITATE ȘI REACTIVITATE

10.1. Reactivitate

Nu există date disponibile.

10.2. Stabilitate chimică

Produsul este stabil în conformitate cu condițiile, notate în secțiunea 7 "Manipularea și depozitarea"

10.3. Posibilitatea de reacții periculoase

Nimeni familiar.

10.4. Condiții de evitat

Nimeni familiar.

10.5. Materiale incompatibile

Acizi puternici, baze puternice, agenți de oxidare puternici, și agenți de reducere puternici

10.6. Produși de descompunere periculoși

În condiții normale de depozitare și utilizare, nu ar trebui să se genereze produși de descompunere periculoși.

SECȚIUNEA 11: INFORMAȚII TOXICOLOGICE

11.1. Informații privind clasele de pericol definite în Regulamentul (CE) nr. 1272/2008

Toxicitate acută

Produs/ingredient	peroxid de hydrogen, solutie 35%
Specii:	Șobolan
Ruta expunerii:	Orală
Test:	LD50
Rezultat:	1.193 - 1.270 mg/L

Produs/ingredient	peroxid de hydrogen, solutie 35%
Specii:	Iepure
Ruta expunerii:	Epidermică
Test:	LD50
Rezultat:	>2.000 (35% oplossing) mg/kg

Produs/ingredient	1,2-benzizotiazol-3(2H)-onă; 1,2-benzisotiazolin-3-onă; 1,2-benzisotiazolin-3-ona
Specii:	Șobolan
Ruta expunerii:	Orală
Test:	LD50
Rezultat:	500 mg/kg

Pe baza datelor disponibile, criteriile de clasificare nu sunt îndeplinite.

Coroziunea/ iritația pielii

Produs/ingredient	peroxid de hydrogen, solutie 35%
Rezultat:	Se observă efecte adverse (Iritant)

Produs/ingredient	1,2-benzizotiazol-3(2H)-onă; 1,2-benzisotiazolin-3-onă; 1,2-benzisotiazolin-3-ona
Metoda de testare:	OECD 404
Rezultat:	Se observă efecte adverse (Iritant)

Pe baza datelor disponibile, criteriile de clasificare nu sunt îndeplinite.

Daune serioase ale ochilor/ iritație

Produs/ingredient	peroxid de hydrogen, solutie 35%
Rezultat:	Se observă efecte adverse (Provoacă leziuni oculare grave)

Produs/ingredient	1,2-benzizotiazol-3(2H)-onă; 1,2-benzisotiazolin-3-onă; 1,2-benzisotiazolin-3-ona
Metoda de testare:	OECD 405
Rezultat:	Se observă efecte adverse (Provoacă leziuni oculare grave)

Pe baza datelor disponibile, criteriile de clasificare nu sunt îndeplinite.

Sensibilizarea căilor respiratorii

Produs/ingredient	peroxid de hydrogen, solutie 35%
Rezultat:	Nu se observă efecte adverse (nesensibilizând)

Pe baza datelor disponibile, criteriile de clasificare nu sunt îndeplinite.

Sensibilizarea pielii

Produs/ingredient	1,2-benzizotiazol-3(2H)-onă; 1,2-benzisotiazolin-3-onă; 1,2-benzisotiazolin-3-ona
Metoda de testare:	OECD 429
Specii:	Șoarece
Rezultat:	Se observă efecte adverse (sensibilizante)

Produs/ingredient	1,2-benzizotiazol-3(2H)-onă; 1,2-benzisotiazolin-3-onă; 1,2-benzisotiazolin-3-ona
Metoda de testare:	OECD 406
Specii:	Cobai
Rezultat:	Se observă efecte adverse (sensibilizante)

Pe baza datelor disponibile, criteriile de clasificare nu sunt îndeplinite.

Mutație celule embrioni

Pe baza datelor disponibile, criteriile de clasificare nu sunt îndeplinite.

Cancerigenitate

Produs/ingredient	peroxid de hydrogen, solutie 35%
Concluzie:	Nu se observă efecte adverse

Pe baza datelor disponibile, criteriile de clasificare nu sunt îndeplinite.

Toxicitate reproductiva

Produs/ingredient	peroxid de hydrogen, solutie 35%
Concluzie:	Nu se observă efecte adverse

Pe baza datelor disponibile, criteriile de clasificare nu sunt îndeplinite.

Expunere singulara STOT

Pe baza datelor disponibile, criteriile de clasificare nu sunt îndeplinite.

Expunere repetata STOT

Pe baza datelor disponibile, criteriile de clasificare nu sunt îndeplinite.

Aspirare periculoasa

Produs/ingredient	peroxid de hydrogen, solutie 35%
Pe baza datelor disponibile, criteriile de clasificare nu sunt îndeplinite.	

11.2. Informații privind alte pericole

Efecte pe termen lung

Nimeni familial.

Proprietăți de perturbator endocrin

Acest amestec/produs nu conține nicio substanță considerată a avea proprietăți de perturbare hormonală în ceea ce privește sănătatea.

Alte informații

peroxid de hydrogen, solutie 35%: Substanța a fost clasificată în grupa 3 de către IARC.

SECȚIUNEA 12: INFORMAȚII ECOLOGICE

12.1. Toxicitatea

Produs/ingredient peroxid de hydrogen, solutie 35%
Specii: Pește, Pimephales promelas
Durata: 96 ore
Test: LC50
Rezultat: 16,4 mg/L

Produs/ingredient peroxid de hydrogen, solutie 35%
Specii: Pește, Leuciscus idus
Durata: 72 ore
Test: LC50
Rezultat: 35 mg/L

Produs/ingredient peroxid de hydrogen, solutie 35%
Specii: Pește, Oncorhynchus mykiss
Durata: 7 de zile
Test: LC50
Rezultat: 38,5 mg/L

Produs/ingredient peroxid de hydrogen, solutie 35%
Specii: Daphnia pulex
Durata: 48 ore
Test: EC50
Rezultat: 2,4 mg/L

Produs/ingredient peroxid de hydrogen, solutie 35%
Specii: Daphnia magna
Durata: 24 ore
Test: EC50
Rezultat: 7,7 mg/L

Produs/ingredient peroxid de hydrogen, solutie 35%
Specii: Skeletonema costatum
Durata: 72 ore
Test: EC50
Rezultat: 1,38 mg/L

Produs/ingredient peroxid de hydrogen, solutie 35%
Metoda de testare: OECD 209
Specii: Bacterii
Compartimentul de mediu: Stație de nămoluri uzate
Durata: 30 minutes
Test: EC50
Rezultat: 466 mg/L

Produs/ingredient peroxid de hydrogen, solutie 35%
Metoda de testare: OECD 209
Specii: Bacterii
Compartimentul de mediu: Stație de nămoluri uzate
Durata: 3 ore
Test: EC50
Rezultat: > 1.000 mg/L

Produs/ingredient 1,2-benzizotiazol-3(2H)-onă; 1,2-benzisotiazolin-3-onă; 1,2-benzisotiazolin-3-ona
Specii: Pește
Durata: 96 ore

Este conform cu Regulamentul (CE) nr. 1907/2006 (REACH), Anexa II, amendată prin Regulamentul (UE) nr. 2020/878

Test: LC50
Rezultat: >0.1-1 mg/L

Produs/ingredient 1,2-benzizotiazol-3(2H)-onă; 1,2-benzisotiazolin-3-onă; 1,2-benzisotiazolin-3-ona
Specii: Crustacee
Durata: 48 ore
Test: EC50
Rezultat: >0.1-1 mg/L

Produs/ingredient 1,2-benzizotiazol-3(2H)-onă; 1,2-benzisotiazolin-3-onă; 1,2-benzisotiazolin-3-ona
Specii: Alge
Durata: 72 ore
Test: EC50
Rezultat: >0.1-1 mg/L

Pe baza datelor disponibile, criteriile de clasificare nu sunt îndeplinite.

12.2. Persistența și degradabilitatea

Produs/ingredient Alcohol, C13, bran., EO, sulfat Na~
Rezultat: > 60 %
Concluzie: Biodegradabilitate rapidă
Test: OECD 301 B

Produs/ingredient peroxid de hydrogen, solutie 35%
Concluzie: Biodegradabilitate rapidă

Produs/ingredient 1,2-benzizotiazol-3(2H)-onă; 1,2-benzisotiazolin-3-onă; 1,2-benzisotiazolin-3-ona
Rezultat: 90%
Concluzie: Biodegradabilitate rapidă
Test: OECD 302

Agentul/Agenții tensioactiv(i) conținut(ți) în acest preparat corespunde/corespund criteriilor de biodegradabilitate prevăzute de Reglementarea (CE) Nr.648/2004 privind detergenții. Datele care susțin această afirmație sunt ținute la dispoziția autorităților competente ale Statelor Membre și le vor fi furnizate la cererea directă a acestora sau la cererea unui producător de detergenți.

12.3. Potențialul de bioacumulare

Produs/ingredient peroxid de hydrogen, solutie 35%
LogKow: -1,57
Concluzie: -

Produs/ingredient 1,2-benzizotiazol-3(2H)-onă; 1,2-benzisotiazolin-3-onă; 1,2-benzisotiazolin-3-ona
BCF: 2
LogKow: 1.45
Concluzie: Potențialul de bioacumulare este scăzut

12.4. Mobilitatea în sol

Nu există date disponibile.

12.5. Rezultatele evaluărilor PBT și vPvB

Acest amestec/produs nu conține nicio substanță care îndeplinește criteriile de clasificare ca PBT și/sau vPvB.

12.6. Proprietăți de perturbator endocrin

Acest amestec/produs nu conține nicio substanță considerată a avea proprietăți de perturbare a sistemului endocrin în raport cu mediul.

12.7. Alte efecte adverse

Nimeni familial.

SECȚIUNEA 13: CONSIDERAȚII PRIVIND ELIMINAREA

13.1. Metode de tratare a deșeurilor

Acest produs este acoperit de regulamentele privind deșeurile periculoase. (*)
HP 4 - Iritante (iritarea pielii și leziuni oculare)
Regulamentul (UE) NR. 1357/2014 al Comisiei din 18 decembrie 2014 privind deșeurile.

Cod EWC:
20 01 30 Detergenți, alții decât cei de la 20 01 29

Ambalare contaminată

Pachetele ce conțin resturi din produse trebuie dispuse în același loc ca și produsul.

SECȚIUNEA 14: INFORMAȚII REFERITOARE LA TRANSPORT

	14.1 ONU	14.2 Denumirea corectă ONU pentru expediție	14.3 Clasa (clasele) de pericol pentru transport	14.4 PG*	14.5. Env**	Alte informații:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Grupul de ambalare

** Pericole pentru mediul înconjurător

Informații adiționale

Nu sunt listate bunuri periculoase în conformitate cu ADR, IATA și regulamentele IMDG.

14.6. Precauții speciale pentru utilizatori

Nu este aplicabil.

14.7. Transportul maritim în vrac în conformitate cu instrumentele OMI

Nu există date disponibile.

SECȚIUNEA 15: INFORMAȚII DE REGLEMENTARE

15.1. Regulamente/legislație în domeniul securității, al sănătății și al mediului specifice (specifică) pentru substanța sau amestecul în cauză

Restricții pentru aplicare:

Utilizare limitată numai în scopuri profesionale.

Cerințe pentru instruire corespunzătoare:

Nu există cerințe specifice.

SEVESO - Categoriile de substanțe periculoase / Denumirea substanțelor periculoase:

Nu este aplicabil.

Regulamentul privind precursorii de explozivi:

peroxid de hidrogen, soluție 35% (Anexa I)

Etichetarea conținutului în conformitate cu Regulamentul privind detergenții 648/2004:

>5% - <15%

· Agenți tensioactivi neionici

< 5%

· Agenți tensioactivi anionici

· Agenți de înălbire pe bază de oxigen

· Parfumuri

· Conservant (BENZISOTHAZOLINONE)

Informații adiționale:

Agentul/Agenții tensioactiv(i) conținut(ți) în acest preparat corespunde/corespund criteriilor de biodegradabilitate prevăzute de Reglementarea (CE) Nr.648/2004 privind detergenții. Datele care susțin această afirmație sunt ținute la dispoziția autorităților competente ale Statelor Membre și le vor fi furnizate la cererea directă a acestora sau la cererea unui producător de detergenți.

Surse:

Regulamentul (CE) nr. 648/2004 al Parlamentului European și al Consiliului din 31 martie 2004 privind detergenții.
Regulamentul (UE) NR. 1357/2014 al Comisiei din 18 decembrie 2014 privind deșeurile.
Regulamentul (UE) 2019/1148 privind precursorilor de explozivi.
Regulamentul (CE) nr. 1272/2008 al Parlamentului European și al Consiliului din 16 decembrie 2008 privind clasificarea, etichetarea și ambalarea substanțelor și a amestecurilor (CLP).
Regulamentul (CE) nr. 1907/2006 al Parlamentului European și al Consiliului din 18 decembrie 2006 privind înregistrarea, evaluarea, autorizarea și restricționarea substanțelor chimice (REACH).

15.2. Evaluarea securității chimice

Nu

SECȚIUNEA 16: ALTE INFORMAȚII

Textul complet al frazelor H sunt menționate în secțiunea 3.

H271, Poate provoca un incendiu sau o explozie; oxidant puternic.
H302, Nociv în caz de înghițire.
H314, Provoacă arsuri grave ale pielii și lezarea ochilor.
H315, Provoacă iritarea pielii.
H318, Provoacă leziuni oculare grave.
H319, Provoacă o iritare gravă a ochilor.
H332, Nociv în caz de inhalare.
H335, Poate provoca iritarea căilor respiratorii.
H336, Poate provoca somnolență sau amețeală.
H412, Nociv pentru mediul acvatic cu efecte pe termen lung.

Abrevieri și acronime

ADN = Prevederile Europene privind Transportul Internațional de Mărfuri Periculoase pe Ape Continentale
ADR = Acordul European privind Transportul Internațional Rutier de Mărfuri Periculoase
TAE = Toxicitate Acută Estimată
FBC = Factor de Bioconcentrație
CAS = Serviciul de Catalogare al Chimicalelor
CE = Conformité Européenne
CLP = Regulamentul privind Clasificarea, Etichetarea și Ambalarea [Regulamentul (CE) Nr. 1272/2008
COV = Compus Organic Volatil
CSA = Evaluare privind Siguranța Chimică
CSR = Raport privind Siguranța Chimică
DNEL = Nivel Fără Efect
EINECS = Inventarul European al Substanțelor Chimice Existente pe piață
ES = Scenariu de Expunere
specificare EUH = specificare privind pericolul specifică CLP
EuPCS = Sistemul european de clasificare a produselor
EWC = Catalog European pentru Deșeuri
GHS = Sistem Global Harmonizat al Clasificării și Etichetării Chimicalelor
GWP = Potențialul de încălzire globală
IATA = Asociația Internațională a Transportului Aerian
IBC = Container Intermediar Vrac IMDG = Internațional Maritim Mărfuri Periculoase
LogPow = logaritm al octanolului/coeficient al partiției apei
MARPOL 73/78 = Convenția Internațională pentru Prevenirea Poluării provenite de la Nave, 1973 așa cum a fost modificată prin Protocolul din 1978 ("Marpol" = poluare marină)
OECD = Organizația pentru Cooperarea Economică și Dezvoltare
PBT = Persistent, Biocumulativ și Toxic
PNEC = Concentrație Prevăzută Fără Efect
RID = Regulamentul privind Transportul Internațional Feroviar al Mărfurilor Periculoase
RRN = Număr Înregistrare REACH
SCL = Concentrație specifică.
SVHC = Substanțe de Foarte Mare Îngrijorare
STOT-RE = Toxicitate Organ Țintă Specifică - Expunere Repetată
STOT-SE = Toxicitate Organ Țintă Specifică - Expunere Unică
VLA = Medie cântărită în timp

UN = Națiunile Unite

UVCB = compoziție necunoscută sau variabilă, produse cu reacție complexă sau cu materiale biologice

vPvB = Foarte Persistent și Foarte Biocumulativ

Informații adiționale

Nu este aplicabil.

Fișă cu date de securitate este validată de

Quality & Compliance

Altele

O modificare (în proporție cu ultima modificare esențială (primul cifru din versiunea SDS) este marcată cu un triunghi. Informațiile din fișă de securitate se aplică doar acestui produs specific (menționat în secțiunea 1) și nu este în mod necesar corect pentru utilizarea altor chimicale/ produse.

Este recomandat să predeați fișă cu date de securitate actualului utilizator al produsului. Informații cu privire la această fișă nu pot fi folosite ca și specificațiile produsului.

Țară-limbă: RO-ro

БЕЗБЕДНОСНИ ЛИСТ

i.1 all-purpose cleaner FlexDose

ПОГЛАВЉЕ 1. ИДЕНТИФИКАЦИЈА ХЕМИКАЛИЈЕ И ПОДАЦИ О ЛИЦУ КОЈЕ СТАВЉА ХЕМИКАЛИЈУ У ПРОМЕТ

1.1. Идентификација хемикалије

▼ Комерцијално име:

i.1 all-purpose cleaner FlexDose

1.2. Идентификовани начини коришћења хемикалије и начини коришћења који се не препоручују

Употреба материјала/смеше:

Детерџенти и средства за чишћење (укључујући и оне на бази растварача)

Дозвољено само за професионално коришћење.

Употребе које се не препоручују:

Нема познатих.

1.3. Подаци о снабдевачу

Компанија и адреса:

Hygeniq B.V.

Postbus 618

7500 AP Enschede

The Netherlands

+31 53 4282860

+31 53 5393865

www.hygeniq.com

Електронска адреса:

info@hygeniq.com

Датум безбедносног листа:

27.6.2025.

Верзија безбедносног листа:

2.0

Датум претходне верзије:

2.6.2025. (1.0)

1.4. Број телефона за хитне случајеве

Телефонски број хитне помоћ: 194

Дежурни токсиколог (24 сата дневно): +381 (11) 360 84 40

Центар за контролу тровања на ВМА, тел: +381 (11) 266 11 22, +381 (11) 266 27 55

Такође погледајте поглавље 4 за мере прве помоћи.

ПОГЛАВЉЕ 2. ИДЕНТИФИКАЦИЈА ОПАСНОСТИ

2.1. Класификација хемикалије

Није класификовано у складу са уредбом (ЕЗ) бр. 1272/2008 (CLP).

2.2. Елементи обележавања

Пиктограм опасности:

Није применљиво.

Реч упозорења:

Није применљиво.

Обавештење о опасности:

Није применљиво.

Обавештење о мерама предострожности:

Опште:

-

Превенција:

-

Реаговање:

-

Складиштење:

-

Одлагање:

-

Опасне материје:

Не садржи никакве супстанце које је потребно пријавити

Додатно обавештење о опасности:

EUN210, Безбедносни лист доступан на захтев.

Означаванје садржана према ПРАВИЛНИК о детергентима (примењује се на амбалажу детерџента који се продају широј јавности):

>5% - <15%

· Нејонски сурфактанти

< 5%

· Анјонски сурфактанти

· Избељивачи на бази кисеоника

· Мириси

· Конзерванси (BENZISOTHIAZOLINONE)

2.3. Остале опасности

Додатна упозорења:

Ова смеша/производ не садржи супстанце за које се сматра да испуњавају критеријуме да буду класификовани као ПБТ и/или вПвБ.

Овај производ не садржи материје које се сматрају ендокриним дисрумпторима у складу са критеријумима наведеним у Делегираној уредби Комисије (ЕУ) 2017/2100 или Уредби Комисије (ЕУ) 2023/707.

ПОГЛАВЉЕ 3. САСТАВ / ПОДАЦИ О СASTOЈЦИМА

3.1. Подаци о састојцима супстанце

Није применљиво. Овај производ је микстура.

3.2. Подаци о састојцима смеше

Хемијски назив	CAS / EC / индекса / REACH број	% w/w	Класификација	Напомена
Alcohol, C13, bran., EO, sulfate Na~	CAS бр.: 150413-26-6 EC бр.: 688-316-0 REACH: Индекс бр. :	1-3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 3, H412	
hydrogen peroxide	CAS бр.: 7722-84-1 EC бр.: 231-765-0 REACH: 01-2119485845-22-XXXX Индекс бр. : 008-003-00-9	1-3%	Ox. Liq. 1, H271 Acute Tox. 4, H302 Skin Corr. 1A, H314 (SCL: 70,00 %) Skin Corr. 1B, H314 (SCL: 50,00 %) Skin Irrit. 2, H315 (SCL: 35,00 %)	

			Eye Dam. 1, H318 (SCL: 8,00 %) Eye Irrit. 2, H319 (SCL: 5,00 %) Acute Tox. 4, H332 STOT SE 3, H336 (SCL: 35,00 %)	
citroenzuurmonohydraat	CAS бр.: 5949-29-1 EC бр.: 611-842-9 REACH: 01-2119457026-42-XXXX Индекс бр. :	<0.1%	Eye Irrit. 2, H319	
Disodium tin hexahydroxide	CAS бр.: 12027-70-2 EC бр.: 234-724-5 REACH: 01-2120770924-45-XXXX Индекс бр. :	<0.05%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	[1]

Погледајте потпуни текст Х-израза у поглавље 16. Границе изложености током рада наведене су у поглавље 8, ако су доступне.

Остали подаци

[1] Европска граница изложености током рада.

ПОГЛАВЉЕ 4. МЕРЕ ПРВЕ ПОМОЋИ

4.1. Опис мера прве помоћи

Опште информације:

Уколико је дисање неправилно, и јављају се поспаност, губитак свести или грчеви: Позовите 194 и одмах почните са мерама помоћи (прва помоћ).

Ако имате сумње у вези са стањем повређене особе или ако симптоми потрају, обратите се лекару. Никад несвесној особи немојте давати воду или неко друго пиће.

После удисања:

Потешкоће са дисањем или иритација дисајних путева: Изведите особу на свеж ваздух и останите уз њу.

У додиру са кожом:

У случају иритације: исперите водом. У случају упорне иритације, потражите лекарску помоћ.

Након контакта са очима:

АКО ДОСПЕ У ОЧИ: Испирајте очи водом или сланом водом (20-30 °C) најмање 5 минута. Извадите контактна сочива. Потражите помоћ лекара и наставите са испирањем током транспорта.

Након гутања:

Ако је особа при свести, исперите уста водом и останите уз особу. У случају слабости, одмах потражите лекарску помоћ и донесите безбедносни лист или етикету са производа. Не изазивајте повраћање, осим ако то лекар не препоручи. Жртва би требало да се нагне напред са главом окренутом на доле како би избегла удисање или гушење садржајем повраћања.

Сагоревањем:

Није применљиво.

4.2. Најважнији симптоми и ефекти, акутни и одложени

Нема познатих.

4.3. Хитна медицинска помоћ и посебан третман

Третирајте симптоматски.

Информације за здравствене раднике

Донесите безбедносно упутство .

ПОГЛАВЉЕ 5. МЕРЕ ЗА ГАШЕЊЕ ПОЖАРА

5.1. Средства за гашење пожара

Није применљиво.

5.2. Посебне опасности које могу настати од супстанци и смеша

Пожар ће довести до стварања густог дима. Излагање запалјивим производима може наштетити вашем здрављу. Затворене посуде изложене ватри требало би охладити водом. Не дозволите да вода за гашење пожара доспе у канализацију и оближње површинске токове.

Уколико је производ изложен високим температурама, нпр. у случају пожара, настају опасна јединиња као резултат његовог распадања. То су:

Угљени оксиди (CO / CO₂)

5.3. Савет за ватрогасце

Нема посебних захтева.

ПОГЛАВЉЕ 6. МЕРЕ У СЛУЧАЈУ УДЕСА

6.1. Личне предострожности, заштитна опрема и поступци у случају удеса

Контаминирани простор може бити клизав.

6.2. Предострожности које се односе на животну средину

Избегавајте испуштање у језера, потоке, канализације итд.

Неовлашћене особе држите подаље од изливања.

6.3. Мере које треба предузети и материјал за спречавање ширења и санацију

Користите песак, земљу, вермикулит, диятомейску земљу да бисте задржали и купили незапалјиве упијајуће материјале и ставите у контејнер за одлагање, у складу са локалним прописима.

Чишћење се у мери у којој је то могуће обавља нормалним средствима за чишћење. Избегавајте употребу растварача.

6.4. Упућивање на друга поглавља

Погледајте поглавље 13 „Одлагање” у вези са поступком за отпад.

За заштитне мере погледајте поглавље 8 „Контрола изложености и лична заштита”.

ПОГЛАВЉЕ 7. РУКОВАЊЕ И СКЛАДИШТЕЊЕ

7.1. Предострожности за безбедно руковање

Пушење, и конзумирање хране и пића нису дозвољени у радном простору.

За информације о личној заштити погледајте поглавље „Контрола изложености и лична заштита”.

7.2. Услови за безбедно складиштење, укључујући некомпатибилности

Отворени контејнери се морају пажљиво затворити и држати исправно како би се спречило цурење.

Препоручени материјал за складиштење:

Чувати само у оригиналној амбалажи.

Услови складиштења:

Суво, хладно и добро проветравано

Некомпатибилни материјали:

Јаке киселине, јаке базе, јака оксидациона средства и јака редукциона средства.

7.3. Посебни начини коришћења

Овај производ би требало користити само за примене наведене у поглавље 1.2

ПОГЛАВЉЕ 8. КОНТРОЛА ИЗЛОЖЕНОСТИ И ЛИЧНА ЗАШТИТА

8.1. Параметри контроле изложености

На националној листи супстанци са ограничењем у погледу изложености током рада није наведена ниједна

супстанца.

DNEL

1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one

Трајање:	Пут експозиције:	DNEL:
Дугорочно - Системски - Потрошач	Дерматолошки	0.345 mg/kg
Дугорочно - Системски - Радник	Дерматолошки	966 µg/kg/дан
Дугорочно - Системски - Потрошач	Инхалацијски	1.2 mg/m ³
Дугорочно - Системски - Радник	Инхалацијски	6.81 mg/m ³

Disodium tin hexahydroxide

Трајање:	Пут експозиције:	DNEL:
Дугорочно - Системски - Потрошач	Дерматолошки	1.21 mg/kg/дан
Дугорочно - Системски - Радник	Дерматолошки	3.37 mg/kg/дан
Дугорочно - Системски - Потрошач	Инхалацијски	1.78 mg/m ³
Дугорочно - Системски - Радник	Инхалацијски	11.9 mg/m ³
Дугорочно - Системски - Потрошач	Орално	1.21 mg/kg/дан

hydrogen peroxide

Трајање:	Пут експозиције:	DNEL:
Акутно - Локално - Потрошач	Инхалацијски	1.93 mg/m ³
Акутно - Локално - Радник	Инхалацијски	3 mg/m ³
Дугорочно - Локално - Потрошач	Инхалацијски	0.21 mg/m ³
Дугорочно - Локално - Потрошач	Инхалацијски	210 µg/m ³
Дугорочно - Локално - Радник	Инхалацијски	1.4 mg/m ³

PNEC

1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one

Пут експозиције:	Трајање изложености:	PNEC:
Морска вода		403 ng/L
Периодично ослобађање (Морска вода)		110 ng/L
Периодично ослобађање (слатка вода)		1.1 µg/L
Постројењима за пречишћавање отпадних вода		1.03 mg/L
Седимент мора		4.99 µg/kg
Седимент слатке воде		49.9 µg/kg
Слатка вода		4.03 µg/L
Тло		3 mg/kg

Disodium tin hexahydroxide

Пут експозиције:	Трајање изложености:	PNEC:
Морска вода		3.31 µg/L
Периодично ослобађање (Морска вода)		33.1 µg/L
Периодично ослобађање (слатка вода)		331 µg/L
Постројењима за пречишћавање отпадних вода		10 mg/L
Седимент мора		139.46 µg/kg
Седимент слатке воде		1.395 mg/kg
Слатка вода		33.1 µg/L

hydrogen peroxide

Пут експозиције:	Трајније изложености:	PNEC:
Морска вода		0,047 mg/L
Морска вода		12.6 µg/L
Периодично ослобађање (слатка вода)		13.8 µg/L
Постројењима за пречишћавање отпадних вода		4.66 mg/L
Постројењима за пречишћавање отпадних вода		4.66 mg/L
Седимент мора		0,047 mg/L
Седимент мора		47 µg/kg
Седимент слатке воде		0,047 mg/kg
Седимент слатке воде		47 µg/kg
Слатка вода		0,0126 mg/L
Слатка вода		12.6 µg/L
Тло		0,023 mg/kg
Тло		2.3 µg/kg

8.2. Контрола изложености и лична заштита

Извршите општу контролу да бисте спречили непотребно излагање.

Опште препоруке:

Пушење, и конзумирање хране и пића нису дозвољени у радном простору.

Сценарији излагања:

За овај производ нису имплементирани сценарији изложености.

Границе излагања:

Границе изложености током рада нису дефинисане за супстанце у овом производу.

Одговарајући технички уређаји за управљање:

Примените стандардне мере предострожности током употребе производа. Избегавајте удисање испарења.

Хигијенске мере:

Сви изложени делови тела морају да се темелјно оперу у интервалима између употребе производа и на крају радног дана. Обратите посебну пажњу на руке, подлактице и лице.

Мере спречавања контакта са животном средином:

Нема посебних захтева.

Опште мере заштите и хигијене

Генерално:

Користите само заштитну опрему са знаком CE.

Заштита дисајних путева:

Тип	Класа	Боя	Стандарди	
Nema posebnih propisa kada se koristi kako je predviđeno				

Заштита тела:

Препоручено	Тип / Категорија	Стандарди	
Nema posebnih propisa kada se koristi kako je predviđeno	-	-	

Заштитне руке:

Радна ситуација	Материјал	Дебљина рукавице	Време продирања (Минути)	Стандарда	
	Nema posebnih propisa kada se	-	-	-	

Радна ситуација	Материјал	Дебљина рукавице	Време продирања (Минути)	Стандарда	
	koristi kako je predvidjeno				
У случају продуженог излагања или високе концентрације	Ramuk/Нитрилни каучук	-	> 120	EN374-2, EN16523-1, EN388	

Заштита очију/лица:

Радна ситуација	Тур	Стандарди	
	Nema posebnih propisa kada se koristi kako je predvidjeno	-	
У случају продуженог излагања или високе концентрације	Заштитне наочаре са бочним штитницима	EN166	

ПОГЛАВЉЕ 9. ФИЗИЧКА И ХЕМИЈСКА СВОЈСТВА

9.1. Подаци о основним физичким и хемијским својствима хемикалије

Изгледу - агрегатно стање:

Течно

Боји:

Безбойно

Мирису / Прагу мириса (ppm):

Парфем

pH:

са. 4.8

Релативна густина (g/cm³):

1,02 (20 °C)

Кинематичка вискозност:

Нема доступних података.

Карактеристике честица:

Не односи се на течности

Фазне промене

Тачка топљења / тачка мржњења (°C):

Нема доступних података.

Тачка/опсег омекшавања (°C):

Не односи се на течности

Почетна тачка кључања и опсег кључања (°C):

Нема доступних података.

Напон паре:

Нема доступних података.

Релативна густина паре:

Нема доступних података.

Температура разлагања (°C):

Нема доступних података.

Подаци о опасностима од пожара и експлозије

Запаљивост (чврсто, гасовито):

Нема доступних података.

Тачка паљења (°C):

Нема доступних података.

Температура самопаљења (°C):

Нема доступних података.

Горња / доња граница запаљивости или експлозивности (%v/v):

Нема доступних података.

Растворљивост

Растворљивост у вода:

У потпуности растворљив

Коефицијент расподеле у систему n-октанол/вода (LogKow):

Нема доступних података.

Растворљивост у масти (g/L):

Нема доступних података.

9.2. Остали подаци

Остали физички и хемијски параметри:

Нема доступних података.

Оксидујућа својства:

Нема доступних података.

ПОГЛАВЉЕ 10. СТАБИЛНОСТ И РЕАКТИВНОСТ

10.1. Реактивност

Нема доступних података.

10.2. Хемијска стабилност

Производ је стабилан под условима наведеним у одељку 7 „Руковање и складиштење“.

10.3. Могућност настанка опасних реакција

Нема познатих.

10.4. Услови које треба избегавати

Нема познатих.

10.5. Некомпатибилни материјали

Јаке киселине, јаке базе, јака оксидациона средства и јака редукциона средства.

10.6. Опасни производи разградње

У нормалним условима складиштења и употребе не би требало да дође до стварања опасних продукта распадања.

ПОГЛАВЉЕ 11. ТОКСИКОЛОШКИ ПОДАЦИ

11.1. Подаци о токсичним ефектима

Акутна токсичност

Хемијски назив	hydrogen peroxide
Врсте:	Пацов
Пут експозиције:	Орално
Тест:	LD50
Вредност:	1.193 - 1.270 mg/L

Хемијски назив	hydrogen peroxide
Врсте:	Зећ
Пут експозиције:	Дерматолошки
Тест:	LD50
Вредност:	>2.000 (35% oplossing) mg/kg

Хемијски назив	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Врсте:	Пацов
Пут експозиције:	Орално
Тест:	LD50
Вредност:	500 mg/kg

На основу доступних података, критеријуми за класификацију нису испуњени.

Корозивно оштећење коже / иритација

Хемијски назив	hydrogen peroxide
Вредност:	Установљени су негативни ефекти (Иритантан)

Хемијски назив	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Метод тестирања:	ОЕЦД 404
Вредност:	Установљени су негативни ефекти (Иритантан)

На основу доступних података, критеријуми за класификацију нису испуњени.

Тешко оштећење ока / иритација ока

Хемијски назив	hydrogen peroxide
Вредност:	Установљени су негативни ефекти (Доводи до тешког оштећења ока)

Хемијски назив	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Метод тестирања:	ОЕЦД 405
Вредност:	Установљени су негативни ефекти (Доводи до тешког оштећења ока)

На основу доступних података, критеријуми за класификацију нису испуњени.

Сензибилизација респираторних органа

Хемијски назив	hydrogen peroxide
Вредност:	Нису установљени негативни ефекти (не сензибилизација)

На основу доступних података, критеријуми за класификацију нису испуњени.

Сензибилизација коже

Хемијски назив	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Метод тестирања:	ОЕЦД 429
Врсте:	Миш
Вредност:	Установљени су негативни ефекти (сензибилизација)

Хемијски назив	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Метод тестирања:	ОЕЦД 406
Врсте:	Заморче
Вредност:	Установљени су негативни ефекти (сензибилизација)

На основу доступних података, критеријуми за класификацију нису испуњени.

Мутагеност геринативних ћелија

На основу доступних података, критеријуми за класификацију нису испуњени.

Карциногеност

Хемијски назив	hydrogen peroxide
Закључак:	Нису установљени негативни ефекти

На основу доступних података, критеријуми за класификацију нису испуњени.

Токсичност по репродукцију

Хемијски назив	hydrogen peroxide
Закључак:	Нису установљени негативни ефекти

На основу доступних података, критеријуми за класификацију нису испуњени.

Специфична токсичност за циљни орган - једнократна изложеност

На основу доступних података, критеријуми за класификацију нису испуњени.

Специфична токсичност за циљни орган - вишекратна изложеност

На основу доступних података, критеријуми за класификацију нису испуњени.

Опасност од аспирације

Хемијски назив hydrogen peroxide
На основу доступних података, критеријуми за класификацију нису испуњени.

11.2. Информације о другим опасностима

Dugoročni efekti

Нема познатих.

Угрожава рад ендокриних жлезда

Ова смеша/производ не садржи никакве материје за које се сматра да имају својства изазивања хормонског поремећаја.

Додатне информације

hydrogen peroxide по IARC класификацији спада у групу 3

ПОГЛАВЉЕ 12. ЕКОТОКСИКОЛОШКИ ПОДАЦИ

12.1. Токсичност

Хемијски назив	hydrogen peroxide
Врсте:	Рибе, Pimephales promelas
Трајање:	96 сати
Тест:	LC50
Вредност:	16,4 mg/L

Хемијски назив	hydrogen peroxide
Врсте:	Рибе, Leuciscus idus
Трајање:	72 сати
Тест:	LC50
Вредност:	35 mg/L

Хемијски назив	hydrogen peroxide
Врсте:	Рибе, Oncorhynchus mykiss
Трајање:	7 дана
Тест:	LC50
Вредност:	38,5 mg/L

Хемијски назив	hydrogen peroxide
Врсте:	Daphnia pulex
Трајање:	48 сати
Тест:	EC50
Вредност:	2,4 mg/L

Хемијски назив	hydrogen peroxide
Врсте:	Daphnia magna
Трајање:	24 сати
Тест:	EC50
Вредност:	7,7 mg/L

Хемијски назив	hydrogen peroxide
Врсте:	Skeletonema costatum
Трајање:	72 сати
Тест:	EC50
Вредност:	1,38 mg/L

Хемијски назив	hydrogen peroxide
Метод тестирања:	ОЕЦД 209
Врсте:	Бактерије
Окружење:	Постројеније са активираним муљем
Трајање:	30 minutes
Тест:	EC50
Вредност:	466 mg/L

Хемијски назив	hydrogen peroxide
Метод тестирања:	ОЕЦД 209
Врсте:	Бактерије
Окружење:	Постройение са активираним муљем
Трајанье:	3 сати
Тест:	EC50
Вредност:	> 1.000 mg/L

Хемијски назив	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Врсте:	Рибе
Трајанье:	96 сати
Тест:	LC50
Вредност:	>0.1-1 mg/L

Хемијски назив	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Врсте:	Ракови
Трајанье:	48 сати
Тест:	EC50
Вредност:	>0.1-1 mg/L

Хемијски назив	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Врсте:	Алге
Трајанье:	72 сати
Тест:	EC50
Вредност:	>0.1-1 mg/L

На основу доступних података, критеријуми за класификацију нису испуњени.

12.2. Перзистентност и разградљивост

Хемијски назив	Alcohol, C13, bran., EO, sulfate Na~
Вредност:	> 60 %
Закључак:	Лако биоразградива материја
Тест:	ОЕЦД 301 Б

Хемијски назив	hydrogen peroxide
Закључак:	Лако биоразградива материја

Хемијски назив	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Вредност:	90%
Закључак:	Лако биоразградива материја
Тест:	OECD 302

Сурфактант(и) садржани у овом препарату је(су) у складу са критеријумима биоразградивости утврђеним у уредби (ЕЗ) бр. 648/2004 о детердженцима. Подаци који поткрепљују ову тврдњу стоје на располагању надлежним властима држава чланица и биће им доступни на њихов директни захтев или на захтев произвођача детерджената.

12.3. Потенцијал биоакумулације

Хемијски назив	hydrogen peroxide
LogKow:	-1,57
Закључак:	-

Хемијски назив	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
BCF:	2
LogKow:	1.45
Закључак:	Потенцијал за биоакумулацију је низак

12.4. Мобилност у земљишту

Нема доступних података.

12.5. Резултати ПБТ и вПвБ процене

Ова смеша/производ не садржи супстанце за које се сматра да испуњавају критеријуме да буду класификовани

као ПБТ и/или вПвБ.

12.6. Угрожава рад ендокриних жлезда

Ова смеша/производ не садржи никакве материје за које се када се нађу унутар животне средине сматра да имају својства ометања ендокриног система.

12.7. Остали штетни ефекти

Нема познатих.

ПОГЛАВЉЕ 13. ОДЛАГАЊЕ

13.1. Методе третмана отпада

На производ се односе прописи о опасном отпаду. (*)

НР 4 - Надражујуће (иритација коже и оштећење очију)

Уредба комисије (ЕУ) бр. 1357/2014 од 18. децембра 2014. године која замењује прилог IIIИ директиве 2008/98/ЕЗ Европског парламента и савета о отпаду.

Кôд европског каталога отпада (EWЦ):

20 01 30 детерџенти другачији од оних наведених у 20 01 29

Контаминирање амбалаже

Амбалажа која садржи остатке производа мора се одложити на исти начин као и производ.

ПОГЛАВЉЕ 14. ПОДАЦИ О ТРАНСПОРТУ

	14.1 UN	14.2 Назив за терет у транспорту	14.3 Класа	14.4 PG*	14.5. Env**	Остали подаци:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Група паковања

** Опасност по животну средину

Додатне информације

Није опасна роба према ADR, IATA и IMDG.

14.6. Посебне предострожности за корисника

Није применљиво.

14.7. Транспорт у расутом стању (Анексу ИИ Међународне конвенције за спречавање загађења из бродова и ИБЦ Цоде)

Нема доступних података.

ПОГЛАВЉЕ 15. РЕГУЛАТОРНИ ПОДАЦИ

15.1. Прописи у вези са безбедношћу, здрављем и животном средином

Ограничења за примену:

Дозвољено само за професионално коришћење.

Захтеви за специфичним образовањем:

Нема посебних захтева.

"СЕВЕСО" - Категорија / Опасне материје:

Није применљиво.

Означавање садржана према ПРАВИЛНИК о детергентима:

>5% - <15%

· Нејонски сурфактанти

< 5%

- Анјонски сурфактанти
- Избелјивачи на бази кисеоника
- Мириси
- Конзерванси (BENZISOTHAZOLINONE)

Додатне информације:

Сурфактант(и) садржани у овом препарату је(су) у складу са критеријумима биоразградивости утврђеним у уредби (ЕЗ) бр. 648/2004 о детердженцима. Подаци који поткрепљују ову тврдњу стоје на располагању надлежним властима држава чланица и биће им доступни на њихов директни захтев или на захтев произвођача детерджената.

Извори:

ПРАВИЛНИК о детергентима ("Службени гласник РС", 25/2015)

ПРАВИЛНИК о категоријама, испитивању и класификацији отпада (Службени гласник РС, 56/10)

Правилник о класификацији, паковању, обележавању и оглашавању хемикалије и одређеног производа у складу са Глобално хармонизованим системом за класификацију и обележавање УН: 105/2013-16, 52/2017-73, 21/2019-208

15.2. Процена безбедности хемикалије.

Не

ПОГЛАВЉЕ 16. ОСТАЛИ ПОДАЦИ

Комплетан текст Х-фраза како је наведено у поглавље 3

H271, Може да изазове пожар или експлозију; јако оксидујуће средство.

H302, Штетно ако се прогута.

H314, Изазива тешке опекотине коже и оштећење ока.

H315, Изазива иритацију коже.

H318, Доводи до тешког оштећења ока.

H319, Доводи до јаке иритације ока.

H332, Штетно ако се удише.

H335, Може да изазове иритацију респираторних органа.

H336, Може да изазове поспаност и несвестицу.

H412, Штетно за живи свет у води са дуготрајним последицама.

Скраћенице и акроними

ADR = Европски споразум о међународном друмском превозу опасне робе

ATE = Процена акутне токсичности

BCF = Фактор биоконцентрације

CAS = Служба хемијских сажеатака

CE = европска усаглашеност

CLP = Уредба о класификацији, означавању и паковању [Уредба (ЕЗ) бр. 1272/2008]

CSA = Процена хемијске безбедности

CSR = Извештај о хемијској безбедности

CTOT = Специфична циљна токсичност органа

DMEL = Изведени минимални ниво ефекта

DNEL = Изведени ниво без ефекта

EINECS = Европски инвентар постојећих комерцијалних хемијских супстанци

ES = Сценарио изложености

EUH izjava = ЦЛП-специфична изјава о опасности

EUPCS = Европски систем категоризације производа

EWЦ = Европски каталог отпада

GHS = Глобално усклађени систем класификације и обележавања хемикалија

GWP (ГВП) = Потенцијал глобалног загревања

IARC = међународна агенција за истраживање рака

IATA = Међународно удружење за ваздушни саобраћај

IBC = Средњи контејнер за расути терет

IMDG = Међународна поморска опасна роба

LogPow = Логаритам коефицијента раздвајања октанол/вода

MARPOL = Међународна конвенција о спречавању загађења са бродова из 1973. године, измењена протоколом из 1978. („Marpol“ = загађење мора)

ОЕЦД = Организација за Економску Царадњу и Дазвој
ПБТ = Истрајан, биоакумулативан и токсичан
PNEC = Предвиђена концентрација без ефекта
RID = Прописи који се тичу међународног превоза опасне робе железницом
RRN = REACH регистрациони број
SCL = има одређену границу концентрације.
SVHC = Веома забринјавајуће супстанце
STOT-RE = Специфична циљна токсичност органа - понављана излагања
STOT-SE = Специфична циљна токсичност органа - појединачна излагања
TWA = Временски пондерисан просек
UN = Уједињене нације
UVBC = Непознат или променљив састав, сложени продукти реакције или биолошки материјали
VOC = Нестабилно органско јединијење
вПвБ = Веома трајно и врло биоакумулативно

Додатне информације

Није применљиво.

Безбедносни лист потврђује

Quality & Compliance

Остали подаци

Промена (сразмерно последњој суштинској промени (прва шифра у верзији СДС, погледајте поглавље 1)) обележена је троуглом.

Подаци у овом безбедносном упутству односе се само на овај одређени производ (поменут у поглавље 1) и нису нужно тачни за употребу са другим хемикалијама/производима.

Препоручује се да ово безбедносно упутство дате стварном кориснику производа. Информације у овом безбедносном упутству не могу се користити као спецификације производа.

Земља-језик: RS-Sr

SAFETY DATA SHEET

i.1 all-purpose cleaner FlexDose

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

SDS created for SAUDI ARABIA according to GHS

1.1. Product identifier

▼ *Trade name:*

i.1 all-purpose cleaner FlexDose

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses of the substance or mixture:

Washing and cleaning products (including solvent based products)

Restricted to professional users.

Uses advised against :

None known.

1.3. Details of the supplier of the safety data sheet

Company and address:

Hygeniq B.V.

Postbus 618

7500 AP Enschede

The Netherlands

+31 53 4282860

+31 53 5393865

www.hygeniq.com

E-mail:

info@hygeniq.com

SDS date:

27/06/2025

SDS Version:

2.0

Date of previous version:

02/06/2025 (1.0)

1.4. Emergency telephone number

Contact the local emergency services.

See section 4 "First aid measures".

SECTION 2: HAZARDS IDENTIFICATION

Classified according to GHS.

2.1. Classification of the substance or mixture

Skin Irrit. 3; H316, Causes mild skin irritation

2.2. Label elements

Hazard pictogram(s):

Not applicable.

Signal word:

Warning

Hazard statement(s):

Causes mild skin irritation (H316)

Precautionary statement(s):

General:

-

Prevention:

-

Response:

If skin irritation occurs: Get medical advice/attention. (P332+P313)

Storage:

-

Disposal:

-

Hazardous substances:

Does not contain any substances required to report

Additional labelling:

Not applicable.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable. This product is a mixture.

3.2. Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
Alcohol, C13, bran., EO, sulfate Na~	CAS No.: 150413-26-6 EC No.: 688-316-0	1-3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 3, H412	
hydrogen peroxide	CAS No.: 7722-84-1 EC No.: 231-765-0	1-3%	Ox. Liq. 1, H271 Acute Tox. 4, H302 Skin Corr. 1A, H314 (SCL: 70.00 %) Skin Corr. 1B, H314 (SCL: 50.00 %) Skin Irrit. 2, H315 (SCL: 35.00 %) Eye Dam. 1, H318 (SCL: 8.00 %) Eye Irrit. 2, H319 (SCL: 5.00 %) Acute Tox. 4, H332 STOT SE 3, H336 (SCL: 35.00 %)	
citroenzuurmonohydraat	CAS No.: 5949-29-1 EC No.: 611-842-9	<0.1%	Eye Irrit. 2, H319	

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information

-

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General information:

In the case of accident: Contact a doctor or casualty department – bring the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

Inhalation:

Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

Skin contact:

Remove contaminated clothing and shoes immediately. Ensure to wash exposed skin thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or thinners.

Eye contact:

If in eyes: Flush eyes with water or saline water (20-30 °C) for at least 5 minutes. Remove contact lenses. Seek medical assistance and continue flushing during transport.

Ingestion:

If the person is conscious, rinse the mouth with water and stay with the person. Never give the person anything to drink.

In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the person lean forward with head down to avoid inhalation of or choking on vomited material.

Burns:

Not applicable.

4.2. Most important symptoms and effects, both acute and delayed

None known.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

Information to medics

Bring this safety data sheet or the label from this product.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Not applicable.

5.2. Special hazards arising from the substance or mixture

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

Carbon oxides (CO / CO₂)

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact the national poisons emergency services in order to obtain further advice.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Contaminated areas may be slippery.

6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.

Keep unauthorized persons away from the spill

6.3. Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.
Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections

See section 13 "Disposal considerations" on handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Smoking, drinking and consumption of food is not allowed in the work area.

See section 8 "Exposure controls/personal protection" for information on personal protection.

7.2. Conditions for safe storage, including any incompatibilities

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Recommended storage material:

Keep only in original packaging.

Storage conditions:

Dry, cool and well ventilated

Incompatible materials:

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

No substances are listed with an occupational exposure limit.

8.2. Exposure controls

Apply general control to prevent unnecessary exposure

General recommendations:

Smoking, drinking and consumption of food is not allowed in the work area.

Exposure scenarios:

There are no exposure scenarios implemented for this product.

Exposure limits:

Occupational exposure limits have not been defined for the substances in this product.

Appropriate technical measures:

Apply standard precautions during use of the product. Avoid inhalation of vapours.

Hygiene measures:

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Pay special attention to hands, forearms and face.

Measures to avoid environmental exposure:

No specific requirements.

Individual protection measures, such as personal protective equipment

Generally:

Use only CE marked protective equipment.

Respiratory Equipment:

Type	Class	Colour	Standards	
No special when used as intended.				

Skin protection:

Recommended	Type/Category	Standards	
No special when used as intended.	-	-	

Hand protection:

Work situation	Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
	No special when used as intended	-	-	-	
In the event of prolonged exposure or high concentrations	Cotton/Latex	-	> 120	EN374-2, EN16523-1, EN388	

Eye protection:

Work situation	Type	Standards	
	No special when used as intended.	-	
In the event of prolonged exposure or high concentrations	Safety glasses with side shields.	EN166	

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Form:

Liquid

Colour:

Colourless

Odour:

Of perfume

Odour threshold (ppm):

No data available.

pH:

ca. 4.8

Density (g/cm³):

1.02 (20 °C)

Kinematic viscosity:

No data available.

Particle characteristics:

Does not apply to liquids.

Phase changes

Melting point/Freezing point (°C):

No data available.

Softening point/range (°C):

Does not apply to liquids.

Boiling point (°C):

No data available.

Vapour pressure:

No data available.

Relative vapour density:

No data available.

Decomposition temperature (°C):

No data available.

Evaporation rate (n-butylacetate = 100):

Data on fire and explosion hazards

Flash point (°C):

No data available.

Flammability (°C):

No data available.

Auto-ignition temperature (°C):

No data available.

Explosion limits (% v/v):

No data available.

Solubility

Solubility in water:

Completely soluble

n-octanol/water coefficient (LogKow):

No data available.

Solubility in fat (g/L):

No data available.

9.2. Other information

No data available.

Other physical and chemical parameters:

No data available.

Oxidizing properties:

No data available.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

10.2. Chemical stability

The product is stable under the conditions, noted in section 7 "Handling and storage".

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity

Product/substance	hydrogen peroxide
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	1.193 - 1.270 mg/L

According to GHS Rev. 8, 2019

Product/substance	hydrogen peroxide
Species:	Rabbit
Route of exposure:	Dermal
Test:	LD50
Result:	>2.000 (35% oplossing) mg/kg

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	500 mg/kg

Based on available data, the classification criteria are not met.

Skin corrosion/irritation

Product/substance	hydrogen peroxide
Result:	Adverse effect observed (Irritating)

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Test method:	OECD 404
Result:	Adverse effect observed (Irritating)

Based on available data, the classification criteria are not met.

Serious eye damage/irritation

Product/substance	hydrogen peroxide
Result:	Adverse effect observed (Causes serious eye damage)

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Test method:	OECD 405
Result:	Adverse effect observed (Causes serious eye damage)

Based on available data, the classification criteria are not met.

Respiratory sensitisation

Product/substance	hydrogen peroxide
Result:	No adverse effect observed (not sensitising)

Based on available data, the classification criteria are not met.

Skin sensitisation

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Test method:	OECD 429
Species:	Mouse
Result:	Adverse effect observed (sensitising)

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Test method:	OECD 406
Species:	Guinea pig
Result:	Adverse effect observed (sensitising)

Based on available data, the classification criteria are not met.

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Product/substance	hydrogen peroxide
Conclusion:	No adverse effect observed

Based on available data, the classification criteria are not met.

hydrogen peroxide has been classified by IARC as a group 3 carcinogen.

Reproductive toxicity

Product/substance	hydrogen peroxide
Conclusion:	No adverse effect observed

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Product/substance hydrogen peroxide

Based on available data, the classification criteria are not met.

Long term effects

None known.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Product/substance	hydrogen peroxide
Species:	Fish, Pimephales promelas
Duration:	96 hours
Test:	LC50
Result:	16,4 mg/L

Product/substance	hydrogen peroxide
Species:	Fish, Leuciscus idus
Duration:	72 hours
Test:	LC50
Result:	35 mg/L

Product/substance	hydrogen peroxide
Species:	Fish, Oncorhynchus mykiss
Duration:	7 days
Test:	LC50
Result:	38,5 mg/L

Product/substance	hydrogen peroxide
Species:	Daphnia pulex
Duration:	48 hours
Test:	EC50
Result:	2,4 mg/L

Product/substance	hydrogen peroxide
Species:	Daphnia magna
Duration:	24 hours
Test:	EC50
Result:	7,7 mg/L

Product/substance	hydrogen peroxide
Species:	Skeletonema costatum
Duration:	72 hours
Test:	EC50
Result:	1,38 mg/L

Product/substance	hydrogen peroxide
Test method:	OECD 209
Species:	Bacteria
Compartment:	Activated Sludge Plant
Duration:	30 minutes
Test:	EC50
Result:	466 mg/L

According to GHS Rev. 8, 2019

Product/substance	hydrogen peroxide
Test method:	OECD 209
Species:	Bacteria
Compartment:	Activated Sludge Plant
Duration:	3 hours
Test:	EC50
Result:	> 1.000 mg/L
Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Species:	Fish
Duration:	96 hours
Test:	LC50
Result:	>0.1-1 mg/L
Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Species:	Crustacean
Duration:	48 hours
Test:	EC50
Result:	>0.1-1 mg/L
Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Species:	Algae
Duration:	72 hours
Test:	EC50
Result:	>0.1-1 mg/L

Based on available data, the classification criteria are not met.

12.2. Persistence and degradability

Product/substance	Alcohol, C13, bran., EO, sulfate Na~
Result:	> 60 %
Conclusion:	Readily biodegradable
Test:	OECD 301 B

Product/substance	hydrogen peroxide
Conclusion:	Readily biodegradable

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Result:	90%
Conclusion:	Readily biodegradable
Test:	OECD 302

12.3. Bioaccumulative potential

Product/substance	hydrogen peroxide
LogKow:	-1,57
Conclusion:	-

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
BCF:	2
LogKow:	1.45
Conclusion:	Potential for bioaccumulation is low

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

12.6. Other adverse effects

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

Dispose of contents/container to an approved waste disposal plant.

Specific labelling

Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: TRANSPORT INFORMATION

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Packing group

** Environmental hazards

Additional information

Not dangerous goods according to ADR, IATA and IMDG.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

No data available.

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Restrictions for application:

Restricted to professional users.

Demands for specific education:

No specific requirements.

Additional information:

Not applicable.

Sources:

Globally Harmonized System of Classification and Labelling of Chemicals (GHS Rev. 8, 2019)

15.2. Chemical safety assessment

No

SECTION 16: OTHER INFORMATION

Full text of H-phrases as mentioned in section 3

H271, May cause fire or explosion; strong oxidiser.

H302, Harmful if swallowed.

H314, Causes severe skin burns and eye damage.

H315, Causes skin irritation.

H318, Causes serious eye damage.

H319, Causes serious eye irritation.
H332, Harmful if inhaled.
H336, May cause drowsiness or dizziness.
H412, Harmful to aquatic life with long lasting effects.

The full text of identified uses as mentioned in section 1

None known.

Abbreviations and acronyms

ACGIH = American Conference of Governmental Industrial Hygienists
ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway
ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
CAS = Chemical Abstracts Service
CERCLA = Comprehensive Environmental Response Compensation and Liability Act
DOT = Department of Transportation
EINECS = European Inventory of Existing Commercial chemical Substances
EPCRA = Emergency Planning and Community Right-To-Know Act
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
HCIS = Hazardous Chemical Information System
HNOC = Hazards Not Otherwise Classified
IARC = International Agency for Research on Cancer
IATA = International Air Transport Association
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
NFPA = National Fire Protection Association
NIOSH = National Institute for Occupational Safety and Health
OECD = Organisation for Economic Co-operation and Development
OSHA = Occupational Safety and Health Administration
PBT = Persistent, Bioaccumulative and Toxic
RCRA = Resource Conservation and Recovery Act
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
RRN = REACH Registration Number
SARA = Superfund Amendments and Reauthorization Act
SCL = A specific concentration limit.
STEL = Short-term exposure limits
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
STOT-SE = Specific Target Organ Toxicity - Single Exposure
TSCA = The Toxic Substances Control Act
TWA = Time weighted average
UN = United Nations
UVBC = Unknown or variable composition, complex reaction products or of biological materials
VOC = Volatile Organic Compound
vPvB = Very Persistent and Very Bioaccumulative

Additional information

Not applicable.

The safety data sheet is validated by

Quality & Compliance

Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

Country-language: SA-en

SÄKERHETS DATABLAD

i.1 all-purpose cleaner FlexDose

AVSNITT 1: NAMNET PÅ ÄMNET/BLANDNINGEN OCH BOLAGET/FÖRETAGET

1.1. Produktbeteckning

▼ *Handelsnamn:*

i.1 all-purpose cleaner FlexDose

1.2. Relevanta identifierade användningar av ämnet eller blandningen och användningar som det avråds från

Relevanta identifierade användningar av ämnet eller blandningen:

Tvätt- och rengöringsmedel (inklusive lösningsmedelsbaserade)

Endast för yrkesmässigt bruk.

Användningar som det avråds från :

Inga kända.

1.3. Närmare upplysningar om den som tillhandahåller säkerhetsdatabladet

Företagsuppgifter:

Hygeniq B.V.

Postbus 618
7500 AP Enschede
The Netherlands
+31 53 4282860
+31 53 5393865
www.hygeniq.com

E-post:

info@hygeniq.com

Omarbetad:

2025-06-27

SDB Version:

2.0

Datum för tidigare utgåva:

2025-06-02 (1.0)

1.4. Telefonnummer för nödsituationer

Akut: Ring 112, begär giftinformation. Öppet dygnet runt.

Mindre akut: Ring 010-456 6700. Öppet dygnet runt.

Se avsnitt 4 om åtgärder vid första hjälpen.

AVSNITT 2: FARLIGA EGENSKAPER

2.1. Klassificering av ämnet eller blandningen

Inte klassificerad enligt förordningen (EG) nr 1272/2008 (CLP).

2.2. Märkningsuppgifter

Faropiktogram:

Ej tillämpligt.

Signalord:

Ej tillämpligt.

Faroangivelser:

Ej tillämpligt.

Skyddsangivelser:

Allmänt:

-

Förebyggande:

-

Åtgärder:

-

Förvaring:

-

Avfall:

-

Innehåller:

Innehåller inga anmälningspliktiga ämnen

Annan märkning:

EUH210, Säkerhetsdatablad finns att rekvirera.

▼ **Märkning av innehåll i enlighet med förordning (EG) nr 648/2004 om tvätt- och rengöringsmedel (gäller förpackningar av tvättmedel som säljs till allmänheten):**

>5% - <15%

· Nonjontensider

< 5%

· Anjoniska tensider

· Syrebaserade blekmedel

· Parfym

· Konserveringsmedel (BENZISOTHIAZOLINONE)

2.3. Andra faror

Annat:

Denna blandning/produkt innehåller inga ämnen som anses uppfylla kriterierna för klassificering som PBT- och/eller vPvB-ämnen.

Produkten innehåller inga ämnen som bedömts vara hormonstörande enligt kriterierna i Kommissionens delegerade förordning (EU) 2017/2100 eller Kommissionens förordning (EU) 2023/707.

AVSNITT 3: SAMMANSÄTTNING/INFORMATION OM BESTÅNDSDELAR

3.1. Ämnen

Ej tillämpligt. Denna produkt är en blandning.

3.2. Blandningar

Produkt/Ämne	Identifierare	% w/w	Klassificering	Anm.
Alcohol, C13, bran., EO, sulfate Na~	CAS-nr.: 150413-26-6 EG-nr.: 688-316-0 REACH: Indexnr.:	1-3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 3, H412	
väteperoxidlösning 35%	CAS-nr.: 7722-84-1 EG-nr.: 231-765-0 REACH: 01-2119485845-22-XXXX Indexnr.: 008-003-00-9	1-3%	Ox. Liq. 1, H271 Acute Tox. 4, H302 Skin Corr. 1A, H314 (SCL: 70,00 %) Skin Corr. 1B, H314 (SCL: 50,00 %) Skin Irrit. 2, H315 (SCL: 35,00 %) Eye Dam. 1, H318 (SCL: 8,00 %) Eye Irrit. 2, H319 (SCL: 5,00 %) Acute Tox. 4, H332	

			STOT SE 3, H336 (SCL: 35,00 %)	
citroenzuurmonohydraat	CAS-nr.: 5949-29-1 EG-nr.: 611-842-9 REACH: 01-2119457026-42-XXXX Indexnr.:	<0.1%	Eye Irrit. 2, H319	
Disodium tin hexahydroxide	CAS-nr.: 12027-70-2 EG-nr.: 234-724-5 REACH: 01-2120770924-45-XXXX Indexnr.:	<0.05%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	[1]

Fullständig ordalydelse av H-fraserna finns i avsnitt 16. Arbetshygieniska gränsvärden finns i avsnitt 8 - om de är tillgängliga.

Annan information

[1] Europeiskt yrkeshygieniskt gränsvärde.

AVSNITT 4: ÅTGÄRDER VID FÖRSTA HJÄLPEN

4.1. Beskrivning av åtgärder vid första hjälpen

Allmänt:

Vid olycka: Kontakta läkare eller akutmottagning - ta med etiketten eller detta säkerhetsdatablad.

Vid bestående symptom eller om det råder tveksamheter om den påverkades tillstånd skall läkarhjälp sökas. Ge aldrig en medvetslös person vatten eller liknande.

Inandning:

I fall av andningssvårigheter eller irritation i andningsvägarna: Flytta den skadade personen till frisk luft direkt och håll personen under uppsyn.

Hudkontakt:

Vid irritation: Tvätta av produkten. Vid ihållande irritation: Kontakta läkare.

Kontakt med ögonen:

Vid kontakt med ögonen: Skölj genast med vatten (20-30 °C) i minst 5 minuter. Avlägsna eventuella kontaktlinser. Uppsök läkare.

Förtäring:

Om personen är vid medvetande, skölj munnen med vatten och stanna hos personen. Ge aldrig personen något att dricka. Vid illamående: Kontakta omgående läkare och ta med detta säkerhetsdatablad eller etiketten från produkten. Framkalla ej kräkning, annat än om läkaren rekommenderar detta. Sänk huvudet så att eventuella kräkningar ej rinner tillbaka i munnen och ner i halsen.

Brännskada:

Ej tillämpligt.

4.2. De viktigaste symptomen och effekterna, både akuta och fördröjda

Inga kända.

4.3. Angivande av omedelbar medicinsk behandling och särskild behandling som eventuellt krävs

Behandla symptomatiskt.

Information till läkare

Medtag detta säkerhetsdatablad eller etiketten från produkten.

AVSNITT 5: BRANDBEKÄMPNINGSÅTGÄRDER

5.1. Släckmedel

Ej tillämpligt.

5.2. Särskilda faror som ämnet eller blandningen kan medföra

Vid brand utvecklas tät rök. Att utsättas för nedbrytningsprodukter kan utgöra hälsofara. Slutna behållare som utsätts för eld avkyls med vatten. Låt ej vatten från brandsläckning rinna ut i kloak och vattendrag.

Om produkten utsätts för höga temperaturen, t.ex. i händelse av brand, kan farliga nedbrytningsprodukter bildas.

Dessa är:

Koloxider (CO / CO₂)

5.3. Råd till brandbekämpningspersonal

Inga särskilda krav.

AVSNITT 6: ÅTGÄRDER VID OAVSIKTLIGA UTSLÄPP

6.1. Personliga skyddsåtgärder, skyddsutrustning och åtgärder vid nödsituationer

Se till att ventilationen är tillräcklig, särskilt i slutna utrymmen.

Förorenade områden kan vara hala.

6.2. Miljöskyddsåtgärder

Undvik utsläpp i sjöar, åar, kloaker etc.

Håll obehöriga personer på avstånd från spillet

6.3. Metoder och material för inneslutning och sanering

Spill begränsas och samlas upp med icke-brännbart absorberande material, t.ex. sand, jord, vemikulit, kiselgur och placeras i behållare och bortskaffas i överensstämmelse med gällande regler.

Rengöring utförs så långt som möjligt med rengöringsmedel. Lösningsmedel bör undvikas.

6.4. Hänvisning till andra avsnitt

Se avsnitt 13 "Avfallshantering".

Se avsnitt 8 "Begränsning av exponeringen/personligt skydd" om personligt skydd.

AVSNITT 7: HANTERING OCH LAGRING

7.1. Skyddsåtgärder för säker hantering

Rökning, förtäring av mat och intag av dryck är ej tillåtet i arbetslokalerna.

Se avsnitt 8 om personligt skydd.

7.2. Förhållanden för säker lagring, inklusive eventuell oförenlighet

Öppnad behållare skall återförslutas väl och förvaras i upprätt läge för att förhindra läckage.

Kompatibla förpackningar:

Förvaras endast i originalförpackningen.

Förvaringsförhållanden:

Torr, svalt och väl ventilerat

Oförenliga material:

Starka syror, starka baser, starka oxidationsmedel och starka reduktionsmedel.

7.3. Specifik slutanvändning

Denna produkt bör endast användas för de användningar som beskrivs i avsnitt 1.2.

AVSNITT 8: BEGRÄNSNING AV EXPONERINGEN/PERSONLIGT SKYDD

8.1. Kontrollparametrar

2-(2-ethoxyethoxy)ethanol

Korttidsgränsvärde (15 minuter) (ppm): 30

Korttidsgränsvärde (15 minuter) (mg/m³): 170

Nivågränsvärde (8 timmar) (ppm): 15

Nivågränsvärde (8 timmar) (mg/m³): 80

Anmärkningar:

H = Ämnet kan lätt upptas genom huden.

V = Vägledande korttidsgränsvärde.

väteperoxidlösning 35%
Korttidsgränsvärde (15 minuter) (ppm): 2
Korttidsgränsvärde (15 minuter) (mg/m³): 3
Nivågränsvärde (8 timmar) (ppm): 1
Nivågränsvärde (8 timmar) (mg/m³): 1,4

Arbetsmiljöverkets föreskrifter och allmänna råd (AFS 2023:14) om gränsvärden för luftvägsexponering i arbetsmiljön

DNEL

1,2-bensisotiazol-3(2H)-on; 1,2-bensisotiazolin-3-on

Varaktighet:	Exponeringsväg:	DNEL:
Långvarig – Systemiska effekter - Allmän befolkning	Hud	0.345 mg/kg
Långvarig – Systemiska effekter - Arbetare	Hud	966 µg/kg bw/day
Långvarig – Systemiska effekter - Allmän befolkning	Inandning	1.2 mg/m ³
Långvarig – Systemiska effekter - Arbetare	Inandning	6.81 mg/m ³

2-(2-ethoxyethoxy)ethanol

Varaktighet:	Exponeringsväg:	DNEL:
Långvarig – Systemiska effekter - Allmän befolkning	Hud	25 mg/kg/day
Långvarig – Systemiska effekter - Arbetare	Hud	50 mg/kg bw/day
Långvarig – Systemiska effekter - Arbetare	Hud	83 mg/kg/day
Långvarig – Lokala effekter - Allmän befolkning	Inandning	18,3 mg/m ³
Långvarig – Lokala effekter - Allmän befolkning	Inandning	18 mg/m ³
Långvarig – Lokala effekter - Arbetare	Inandning	18 mg/m ³
Långvarig – Lokala effekter - Arbetare	Inandning	30 mg/m ³
Långvarig – Systemiska effekter - Arbetare	Inandning	37 mg/m ³
Långvarig – Systemiska effekter - Arbetare	Inandning	61 mg/m ³
Långvarig – Systemiska effekter - Allmän befolkning	Oralt	25 mg/kg bw/day

Disodium tin hexahydroxide

Varaktighet:	Exponeringsväg:	DNEL:
Långvarig – Systemiska effekter - Allmän befolkning	Hud	1.21 mg/kg bw/day
Långvarig – Systemiska effekter - Arbetare	Hud	3.37 mg/kg bw/day
Långvarig – Systemiska effekter - Allmän befolkning	Inandning	1.78 mg/m ³
Långvarig – Systemiska effekter - Arbetare	Inandning	11.9 mg/m ³
Långvarig – Systemiska effekter - Allmän befolkning	Oralt	1.21 mg/kg bw/day

väteperoxidlösning 35%

Varaktighet:	Exponeringsväg:	DNEL:
Kortvarig – Lokala effekter - Allmän befolkning	Inandning	1.93 mg/m ³
Kortvarig – Lokala effekter - Arbetare	Inandning	3 mg/m ³
Långvarig – Lokala effekter - Allmän befolkning	Inandning	0,21 mg/m ³
Långvarig – Lokala effekter - Allmän befolkning	Inandning	210 µg/m ³
Långvarig – Lokala effekter - Arbetare	Inandning	1.4 mg/m ³

PNEC

1,2-bensisotiazol-3(2H)-on; 1,2-bensisotiazolin-3-on

Exponeringsväg:	Exponeringens varaktighet:	PNEC:

Avloppsreningsverk		1.03 mg/L
Havsvatten		403 ng/L
Havsvatten sediment		4.99 µg/kg
Jord		3 mg/kg
Sötvatten		4.03 µg/L
Sötvattenssediment		49.9 µg/kg
Sporadiska utsläpp (havsvatten)		110 ng/L
Sporadiska utsläpp (sötvatten)		1.1 µg/L

2-(2-ethoxyethoxy)ethanol

Exponeringsväg:	Exponeringens varaktighet:	PNEC:
Avloppsreningsverk		500 mg/L
Havsvatten		0,074 mg/L
Havsvatten		0.198 mg/L
Havsvatten sediment		0,274 mg/kg
Jord		0,15 mg/kg
Jord		0.732 mg/kg
Jord		0.34 mg/kg
Sötvatten		0,74 mg/L
Sötvatten		1.98 mg/L
Sötvattenssediment		2,47 mg/kg
Sötvattenssediment		7.32 mg/kg
Sporadiska utsläpp		10 mg/L
Sporadiska utsläpp (sötvatten)		10 mg/L

Disodium tin hexahydroxide

Exponeringsväg:	Exponeringens varaktighet:	PNEC:
Avloppsreningsverk		10 mg/L
Havsvatten		3.31 µg/L
Havsvatten sediment		139.46 µg/kg
Sötvatten		33.1 µg/L
Sötvattenssediment		1.395 mg/kg
Sporadiska utsläpp (havsvatten)		33.1 µg/L
Sporadiska utsläpp (sötvatten)		331 µg/L

väteperoxidlösning 35%

Exponeringsväg:	Exponeringens varaktighet:	PNEC:
Avloppsreningsverk		4.66 mg/L
Avloppsreningsverk		4.66 mg/L
Havsvatten		0,047 mg/L
Havsvatten		12.6 µg/L
Havsvatten sediment		0,047 mg/L
Havsvatten sediment		47 µg/kg
Jord		0,023 mg/kg
Jord		2.3 µg/kg

Sötvatten		0,0126 mg/L
Sötvatten		12.6 µg/L
Sötvattenssediment		0,047 mg/kg
Sötvattenssediment		47 µg/kg
Sporadiska utsläpp (sötvatten)		13.8 µg/L

8.2. Begränsning av exponeringen

Efterlevnad av hygieniska gränsvärden bör kontrolleras regelbundet.

Generellt:

Rökning, förtäring av mat och intag av dryck är ej tillåtet i arbetslokalerna.

Exponeringsscenarier:

Det finns inga implementerade exponeringsscenarier för denna produkt.

Exponeringsgräns:

Yrkesmässiga användare omfattas av arbetsmiljölagstiftningens regler om maxkoncentrationer vid exponering. Se de arbetshygieniska gränsvärdena ovan.

Tekniska åtgärder:

Ångbildning måste hållas på ett minimum och under nuvarande gränsvärden (se ovan). Installation av ett lokalt punktutsläpp rekommenderas om normalt luftflöde i arbetsrummet inte är tillräckligt. Se till att ögonsköljning och nöddusch är tydligt markerade.

Tillämpa standardföreskrifter vid användning av produkten. Undvik inandning av ångor.

Hygieniska åtgärder:

Vid varje paus vid användning av produkten och vid arbetets slut skall de exponerade områdena på kroppen tvättas. Var särskilt noga med händer, underarmar och ansikte.

Begränsning av miljöexponering:

Inga särskilda krav.

Individuella skyddsåtgärder

Allmänt:

Använd endast CE-märkt skyddsutrustning.

Andningsskydd:

Typ	Klass	Färg	Standarder	
Inga särskilda vid normal och avsedd användning.				

Hudskydd:

Rekommenderad	Typ/Kategori	Standarder	
Inga särskilda vid normal och avsedd användning.	-	-	

Handskydd:

Arbetsituation	Handskmaterial	Handsktjocklek (mm)	Genombrottstid (min.)	Standarder	
	Inga särskilda vid normal och avsedd användning	-	-	-	
Om exponeringen varar under en längre tid eller koncentrationerna är höga	Bomull / Naturgummi	-	> 120	EN374-2, EN16523-1, EN388	

Ögonskydd:

Arbetssituation	Typ	Standarder	
	Inga särskilda vid normal och avsedd användning.	-	
Om exponeringen varar under en längre tid eller koncentrationerna är höga	Använd skyddsglasögon med sidosköld.	EN166	

AVSNITT 9: FYSIKALISKA OCH KEMISKA EGENSKAPER

9.1. Information om grundläggande fysikaliska och kemiska egenskaper

Fysikaliskt tillstånd:

Vätska

Färg:

Färglös

Lukt / Lukttröskel (ppm):

Parfymerad

pH:

ca. 4.8

Densitet (g/cm³):

1,02 (20 °C)

Kinematisk viskositet:

Ingen data tillgänglig.

Partikelegenskaper:

Gäller inte för vätskor.

Fas förändringar

Smältpunkt/frys punkt (°C):

Ingen data tillgänglig.

Mjukpunkt/mjukpunktsintervall (°C):

Gäller inte för vätskor.

Kokpunkt (°C):

Ingen data tillgänglig.

Ångtryck:

Ingen data tillgänglig.

Relativ ångdensitet:

Ingen data tillgänglig.

Sönderdelningstemperatur (°C):

Ingen data tillgänglig.

Data om brand- och explosionsrisker

Flampunkt (°C):

Ingen data tillgänglig.

Brandfarlighet (°C):

Ingen data tillgänglig.

Självantändningstemperatur (°C):

Ingen data tillgänglig.

Explosionsgränser (% v/v):

Ingen data tillgänglig.

Löslighet

Löslighet i vatten:

Fullt lösligt

n-oktanol/vatten koefficient (LogKow):

Ingen data tillgänglig.

Löslighet i fett (g/L):

Ingen data tillgänglig.

9.2. Annan information

Andra fysikaliska och kemiska parametrar:

Ingen data tillgänglig.

Oxiderande egenskaper:

Ingen data tillgänglig.

AVSNITT 10: STABILITET OCH REAKTIVITET

10.1. Reaktivitet

Ingen data tillgänglig.

10.2. Kemisk stabilitet

Produkten är stabil under de förhållanden som anges i avsnitt 7 (Hantering och lagring).

10.3. Risken för farliga reaktioner

Inga kända.

10.4. Förhållanden som ska undvikas

Inga kända.

10.5. Oförenliga material

Starka syror, starka baser, starka oxidationsmedel och starka reduktionsmedel.

10.6. Farliga sönderdelningsprodukter

Under normala förvarings- och användningsförhållanden bör det inte skapas farliga nedbrytningsprodukter.

AVSNITT 11: TOXIKOLOGISK INFORMATION

11.1. Information om faroklasser enligt förordning (EG) nr 1272/2008

Akut toxicitet

Produkt/Ämne	2-(2-ethoxyethoxy)ethanol
Art:	Råtta
Exponeringsväg:	Inandning
Test:	LC0
Resultat:	0,025 mg/L

Produkt/Ämne	2-(2-ethoxyethoxy)ethanol
Testmetod:	OECD 402
Art:	Kanin
Exponeringsväg:	Hud
Test:	LD50
Resultat:	9143 mg/kg

Produkt/Ämne	2-(2-ethoxyethoxy)ethanol
Art:	Mus
Exponeringsväg:	Oralt
Test:	LD50
Resultat:	6031 mg/kg

Produkt/Ämne	väteperoxidlösning 35%
Art:	Råtta
Exponeringsväg:	Oralt
Test:	LD50

Resultat: 1.193 - 1.270 mg/L

Produkt/Ämne väteperoxidlösning 35%
Art: Kanin
Exponeringsväg: Hud
Test: LD50
Resultat: >2.000 (35% oplossing) mg/kg

Produkt/Ämne 1,2-bensisotiazol-3(2H)-on; 1,2-bensisotiazolin-3-on
Art: Råtta
Exponeringsväg: Oralt
Test: LD50
Resultat: 500 mg/kg

Kriterierna för klassificering kan på grundval av tillgängliga data inte anses vara uppfyllda.

Frätande/irriterande på huden

Produkt/Ämne 2-(2-ethoxyethoxy)ethanol
Resultat: Inga skadliga effekter observerades (Inte irriterande)

Produkt/Ämne väteperoxidlösning 35%
Resultat: Akuta effekter har observerats (Irriterande)

Produkt/Ämne 1,2-bensisotiazol-3(2H)-on; 1,2-bensisotiazolin-3-on
Testmetod: OECD 404
Resultat: Akuta effekter har observerats (Irriterande)

Kriterierna för klassificering kan på grundval av tillgängliga data inte anses vara uppfyllda.

Allvarlig ögonskada/ögonirritation

Produkt/Ämne 2-(2-ethoxyethoxy)ethanol
Resultat: Akuta effekter har observerats (Lätt irriterande)

Produkt/Ämne väteperoxidlösning 35%
Resultat: Akuta effekter har observerats (Orsakar allvarliga ögonskador)

Produkt/Ämne 1,2-bensisotiazol-3(2H)-on; 1,2-bensisotiazolin-3-on
Testmetod: OECD 405
Resultat: Akuta effekter har observerats (Orsakar allvarliga ögonskador)

Kriterierna för klassificering kan på grundval av tillgängliga data inte anses vara uppfyllda.

Luftvägssensibilisering

Produkt/Ämne väteperoxidlösning 35%
Resultat: Inga skadliga effekter observerades (inte sensibiliserande)

Kriterierna för klassificering kan på grundval av tillgängliga data inte anses vara uppfyllda.

Hudsensibilisering

Produkt/Ämne 1,2-bensisotiazol-3(2H)-on; 1,2-bensisotiazolin-3-on
Testmetod: OECD 429
Art: Mus
Resultat: Akuta effekter har observerats (sensibiliserande)

Produkt/Ämne 1,2-bensisotiazol-3(2H)-on; 1,2-bensisotiazolin-3-on
Testmetod: OECD 406
Art: Marsvin
Resultat: Akuta effekter har observerats (sensibiliserande)

Kriterierna för klassificering kan på grundval av tillgängliga data inte anses vara uppfyllda.

Mutagenitet i könsceller

Kriterierna för klassificering kan på grundval av tillgängliga data inte anses vara uppfyllda.

Cancerogenitet

Produkt/Ämne väteperoxidlösning 35%

Slutsats: Inga skadliga effekter observerades

Kriterierna för klassificering kan på grundval av tillgängliga data inte anses vara uppfyllda.

Reproduktionstoxicitet

Produkt/Ämne väteperoxidlösning 35%

Slutsats: Inga skadliga effekter observerades

Kriterierna för klassificering kan på grundval av tillgängliga data inte anses vara uppfyllda.

Specifik organtoxicitet – enstaka exponering

Kriterierna för klassificering kan på grundval av tillgängliga data inte anses vara uppfyllda.

Specifik organtoxicitet – upprepad exponering

Kriterierna för klassificering kan på grundval av tillgängliga data inte anses vara uppfyllda.

Fara vid aspiration

Produkt/Ämne väteperoxidlösning 35%

Kriterierna för klassificering kan på grundval av tillgängliga data inte anses vara uppfyllda.

11.2. Information om andra faror

Långsiktiga effekter

Inga kända.

Hormonstörande egenskaper

Denna blandning/produkt innehåller inga ämnen som anses ha hormonstörande egenskaper med avseende på hälsan.

Annan information

väteperoxidlösning 35%: Substansen har klassificerats i grupp 3 av IARC.

AVSNITT 12: EKOLOGISK INFORMATION

12.1. Toxicitet

Produkt/Ämne	2-(2-ethoxyethoxy)ethanol
Art:	Bakterier
Varaktighet:	16 hours
Resultat:	> 5000 mg/L

Produkt/Ämne	2-(2-ethoxyethoxy)ethanol
Testmetod:	OECD 201
Art:	Alger, <i>Desmodesmus subspicatus</i>
Varaktighet:	96 timmar
Test:	EC50
Resultat:	>100 mg/L

Produkt/Ämne	2-(2-ethoxyethoxy)ethanol
Testmetod:	OECD 202
Art:	<i>Daphnia magna</i>
Varaktighet:	48 timmar
Test:	EC50
Resultat:	1982 mg/L

Produkt/Ämne	2-(2-ethoxyethoxy)ethanol
Testmetod:	OECD 203
Art:	Fisk, <i>Ictalurus catus</i>
Varaktighet:	96 timmar
Test:	LC50
Resultat:	6010 mg/L

Produkt/Ämne	väteperoxidlösning 35%
Art:	Fisk, <i>Pimephales promelas</i>
Varaktighet:	96 timmar
Test:	LC50

Resultat: 16,4 mg/L

Produkt/Ämne väteperoxidlösning 35%
Art: Fisk, Leuciscus idus
Varaktighet: 72 timmar
Test: LC50
Resultat: 35 mg/L

Produkt/Ämne väteperoxidlösning 35%
Art: Fisk, Oncorhynchus mykiss
Varaktighet: 7 dagar
Test: LC50
Resultat: 38,5 mg/L

Produkt/Ämne väteperoxidlösning 35%
Art: Daphnia pulex
Varaktighet: 48 timmar
Test: EC50
Resultat: 2,4 mg/L

Produkt/Ämne väteperoxidlösning 35%
Art: Daphnia magna
Varaktighet: 24 timmar
Test: EC50
Resultat: 7,7 mg/L

Produkt/Ämne väteperoxidlösning 35%
Art: Skeletonema costatum
Varaktighet: 72 timmar
Test: EC50
Resultat: 1,38 mg/L

Produkt/Ämne väteperoxidlösning 35%
Testmetod: OECD 209
Art: Bakterier
Del av miljön: Aktiv slamanläggning
Varaktighet: 30 minutes
Test: EC50
Resultat: 466 mg/L

Produkt/Ämne väteperoxidlösning 35%
Testmetod: OECD 209
Art: Bakterier
Del av miljön: Aktiv slamanläggning
Varaktighet: 3 timmar
Test: EC50
Resultat: > 1.000 mg/L

Produkt/Ämne 1,2-bensisotiazol-3(2H)-on; 1,2-bensisotiazolin-3-on
Art: Fisk
Varaktighet: 96 timmar
Test: LC50
Resultat: >0.1-1 mg/L

Produkt/Ämne 1,2-bensisotiazol-3(2H)-on; 1,2-bensisotiazolin-3-on
Art: Kräftdjur
Varaktighet: 48 timmar
Test: EC50
Resultat: >0.1-1 mg/L

Produkt/Ämne 1,2-bensisotiazol-3(2H)-on; 1,2-bensisotiazolin-3-on

Art: Alger
Varaktighet: 72 timmar
Test: EC50
Resultat: >0.1-1 mg/L

Kriterierna för klassificering kan på grundval av tillgängliga data inte anses vara uppfyllda.

12.2. ▼ Persistens och nedbrytbarhet

Produkt/Ämne: 2-(2-ethoxyethoxy)ethanol
Resultat: 100 %
Slutsats: Lätt biologiskt nedbrytbar
Test: OECD 301 B

Produkt/Ämne: Alcohol, C13, bran., EO, sulfate Na~
Resultat: > 60 %
Slutsats: Lätt biologiskt nedbrytbar
Test: OECD 301 B

Produkt/Ämne: väteperoxidlösning 35%
Slutsats: Lätt biologiskt nedbrytbar

Produkt/Ämne: 1,2-bensisotiazol-3(2H)-on; 1,2-bensisotiazolin-3-on
Resultat: 90%
Slutsats: Lätt biologiskt nedbrytbar
Test: OECD 302

Den/de tensid(er) som ingår i denna beredning uppfyller kriterierna för biologisk nedbrytning i förordning (EG) nr 648/2004 om tvätt- och rengöringsmedel. Data som stöder detta påstående finns till förfogande för medlemsstaternas behöriga myndigheter, och kommer att göras tillgängliga för dem vid direkt förfrågan, eller vid förfrågan från tillverkare av tvätt- och rengöringsmedel.

12.3. ▼ Bioackumuleringsförmåga

Produkt/Ämne: 2-(2-ethoxyethoxy)ethanol
Slutsats: Lätt biologiskt nedbrytbar

Produkt/Ämne: 2-(2-ethoxyethoxy)ethanol
Slutsats: -

Produkt/Ämne: väteperoxidlösning 35%
LogKow: -1,57
Slutsats: -

Produkt/Ämne: 1,2-bensisotiazol-3(2H)-on; 1,2-bensisotiazolin-3-on
BCF: 2
LogKow: 1.45
Slutsats: Låg potential för bioackumulering

12.4. Rörlighet i jord

Ingen data tillgänglig.

12.5. Resultat av PBT- och vPvB-bedömningen

Denna blandning/produkt innehåller inga ämnen som anses uppfylla kriterierna för klassificering som PBT- och/eller vPvB-ämnen.

12.6. Hormonstörande egenskaper

Denna blandning/produkt innehåller inga ämnen som anses ha endokrinstörande egenskaper i förhållande till miljön.

12.7. Andra skadliga effekter

Inga kända.

AVSNITT 13: AVFALLSHANTERING

13.1. Avfallsbehandlingsmetoder

Denna produkt omfattas av bestämmelser om farligt avfall. (*)

HP 4 - Irriterande (hudirritation och ögonskador)

Avfallsförordning (SFS 2020:614).

EWC-kod:

20 01 30

Andra rengöringsmedel än de som anges i 20 01 29

Förorenad förpackning

Avfallskategorin är vägledande och beror på vilket sätt avfallet har blivit till. Förpackningar med restinnehåll av produkten skall kasseras på samma sätt som produkten.

AVSNITT 14: TRANSPORTINFORMATION

	14.1 UN	14.2 Officiell transportbenämning	14.3 Faroklass för transport	14.4 PG*	14.5 Env**	Annan information:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Förpackningsgrupp

** Miljöfaror

Annat

Ej farligt gods i enlighet med ADR, IATA och IMDG.

14.6. Särskilda skyddsåtgärder

Ej tillämpligt.

14.7. Bulktransport till sjöss enligt IMO:s instrument

Ingen data tillgänglig.

AVSNITT 15: GÄLLANDE FÖRESKRIFTER

15.1. Föreskrifter/lagstiftning om ämnet eller blandningen när det gäller säkerhet, hälsa och miljö

Användningsrestriktioner:

Endast för yrkesmässigt bruk.

Krav på särskild utbildning:

Inga särskilda krav.

SEVESO - Farokategorier / Farliga ämnen:

Ej tillämpligt.

Förordning om sprängämnesprekursorer:

väteperoxidlösning 35% (Bilaga I)

▼ *Märkning av innehåll i enlighet med förordning (EG) nr 648/2004 om tvätt- och rengöringsmedel:*

>5% - <15%

· Nonjontensider

< 5%

· Anjoniska tensider

· Syrebaserade blekmedel

· Parfym

· Konserveringsmedel (BENZISOTHIAZOLINONE)

Annat:

Den/de tensid(er) som ingår i denna beredning uppfyller kriterierna för biologisk nedbrytning i förordning (EG) nr 648/2004 om tvätt- och rengöringsmedel. Data som stöder detta påstående finns till förfogande för medlemsstaternas behöriga myndigheter, och kommer att göras tillgängliga för dem vid direkt förfrågan, eller vid förfrågan från tillverkare av tvätt- och rengöringsmedel.

Källor:

Europaparlamentets och rådets förordning (EG) nr 648/2004 av den 31 mars 2004 om tvätt- och rengöringsmedel.
Avfallsförordning (SFS 2020:614).
Rådets förordning (EU) 2019/1148 om sprängämnesprekursorer.
Europaparlamentets och rådets förordning (EG) nr 1272/2008 om klassificering, märkning och förpackning av ämnen och blandningar (CLP).
Europaparlamentets och rådets förordning (EG) nr 1907/2006 av den 18. december 2006 om registrering, utvärdering, godkännande och begränsning av kemikalier (REACH).

15.2. Kemikaliesäkerhetsbedömning

Nej

AVSNITT 16: ANNAN INFORMATION

Ordalydelse för H-fraser som anges i avsnitt 3

H271, Kan orsaka brand eller explosion. Starkt oxiderande.
H302, Skadligt vid förtäring.
H314, Orsakar allvarliga frätskador på hud och ögon.
H315, Irriterar huden.
H318, Orsakar allvarliga ögonskador.
H319, Orsakar allvarlig ögonirritation.
H332, Skadligt vid inandning.
H335, Kan orsaka irritation i luftvägarna.
H336, Kan göra att man blir dåsig eller omtöcknad.
H412, Skadliga långtidseffekter för vattenlevande organismer.

Förkortningar och akronymer

ADR = Europeisk överenskommelse om transport av farligt gods på väg
ATE = Uppskattad akut toxicitet
BCF = Biokoncentrationsfaktor
CAS = Registreringsnummer som tilldelats av Chemical Abstract Services
CE = Conformité Européenne (I överensstämmelse med EU-direktiven)
CLP = Europaparlamentets och rådets förordning (EG) 1272/2009 (CLP) om klassificering, märkning och förpackning av ämnen och blandningar
CSA = Kemikaliesäkerhetsbedömning
CSR = Kemikaliesäkerhetsrapport
DNEL = Härledd noll-effekt nivå (Derived No Effect Level)
EINECS = European Inventory of Existing Commercial chemical Substances
ES = Exponeringsscenario
EUH-faroorangivelser = kompletterande faroorangivelser enligt CLP
EuPCS = Det europeiska produktkategoriseringssystemet
EWC = Europeiska avfallskatalogen
GHS = Globalt harmoniserat system för klassificering och märkning av kemiska ämnen och beredningar
GWP = Potential att bidra till växthuseffekten
IATA = International Air Transport Association
IMDG = International Maritime Dangerous Goods
LogPow = logaritmen av fördelningskoefficienten oktanol/vatten
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
OECD = Organisation for Economic Co-operation and Development
PBT = Persistenta, bioackumulerande och toxiska
PNEC = Koncentration som sannolikt inte förorsakar negativ effekt
REACH = Registrering, utvärdering, godkännande och begränsning av kemikalier (Förordning (EG) nr 1907/2006)
RRN = REACH registreringsnummer
SCL = Specifik koncentrationbegränsning.
STOT-RE = Toxicitet för specifikt målorgan - upprepade exponering
STOT-SE = Toxicitet för specifikt målorgan - enstaka exponering
SVHC = Särskilt farliga ämnen
UVBC = Ämnen med okänd eller varierande sammansättning, komplexa reaktionsprodukter eller biologiskt material.
UN = Förenta Nationerna

VOC = Flyktiga organiska ämnen

vPvB = Mycket persistenta och mycket bioackumulerande

Annat

Ej tillämpligt.

Säkerhetsdatabladet är validerat av

Quality & Compliance

Annat

Modifierad data i jämförelse med tidigare utgåva är märkt med en trekant (Första siffran i SDB version).

Upplysningarna i detta säkerhetsdatablad är baserat på vår nuvarande kunskap. Informationen på säkerhetsdatabladen bygger på bästa tillgängliga data och gäller vid produktens avsedda hantering. Detta säkerhetsdatablad avser endast denna produkt och är eventuellt inte tillämpligt om produkten används som ingrediens i annan produkt. Användes produkten på annat sätt eller i annan applikation än den som produkten ursprungligen utvecklats för, eller rekommenderats till, sker detta helt under användarens ansvar. Avsikten med detta säkerhetsdatablad är att beskriva säkerhetskraven för produkten. Det får inte uppfattas som en garanti för produktens egenskaper och informationerna kan inte ersätta ett produktdatablad.

Det rekommenderas att detta säkerhetsdatablad lämnas till den faktiska användaren av produkten.

Land-språk: SE-sv

SAFETY DATA SHEET

i.1 all-purpose cleaner FlexDose

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product identifier

▼ *Trade name:*
i.1 all-purpose cleaner FlexDose

Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses of the substance or mixture:
Washing and cleaning products (including solvent based products)
Restricted to professional users.

Uses advised against :
None known.

Details of the supplier of the safety data sheet

Company and address:
Hygeniq B.V.
Postbus 618
7500 AP Enschede
The Netherlands
+31 53 4282860
+31 53 5393865
www.hygeniq.com

E-mail:
info@hygeniq.com

SDS date:
27/6/2025

SDS Version:
2.0

Date of previous version:
2/6/2025 (1.0)

Emergency telephone number

In an emergency call 995
In less severe situations call the Drugs & Poison Hotline: 6423 9119
See section 4 "First aid measures".

SECTION 2: HAZARDS IDENTIFICATION

Classification of the substance or mixture

Not classified according to SS 586-2:2022.

Label elements

Hazard pictogram(s):
Not applicable.

Signal word:

Conforms to Singapore Standard SS 586-3:2022

Not applicable.

Hazard statement(s):

Not applicable.

Precautionary statement(s):

General:

-

Prevention:

-

Response:

-

Storage:

-

Disposal:

-

Hazardous substances:

Does not contain any substances required to report

Additional labelling:

Not applicable.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Substances

Not applicable. This product is a mixture.

Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
Alcohol, C13, bran., EO, sulfate Na~	CAS No.: 150413-26-6 EC No.: 688-316-0	1-3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319	
hydrogen peroxide	CAS No.: 7722-84-1 EC No.: 231-765-0	1-3%	Ox. Liq. 1, H271 Acute Tox. 4, H302 Skin Corr. 1A, H314 (SCL: 70.00 %) Skin Corr. 1B, H314 (SCL: 50.00 %) Skin Irrit. 2, H315 (SCL: 35.00 %) Eye Dam. 1, H318 (SCL: 8.00 %) Eye Irrit. 2, H319 (SCL: 5.00 %) Acute Tox. 4, H332 STOT SE 3, H336 (SCL: 35.00 %)	
citroenzuurmonohydraat	CAS No.: 5949-29-1 EC No.: 611-842-9	<0.1%	Eye Irrit. 2, H319	

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information

-

SECTION 4: FIRST AID MEASURES

Description of first aid measures

General information:

In the case of accident: Contact a doctor or casualty department – bring the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

Inhalation:

In case of discomfort: bring the person into fresh air.

Skin contact:

Upon irritation: rinse with water. In the event of continued irritation, seek medical assistance.

Eye contact:

Rinse gently with lukewarm water. Remove any contact lenses if this is easy to do. Continue rinsing. In case of persistent eye irritation or discomfort: Seek medical help.

Ingestion:

Rinse and flush mouth thoroughly and consume large quantities of water. In case of continued discomfort: seek medical assistance and bring this safety data sheet.

Burns:

Not applicable.

Most important symptoms and effects, both acute and delayed

None known.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

Information to medics

Bring this safety data sheet or the label from this product.

SECTION 5: FIREFIGHTING MEASURES

Extinguishing media

Not applicable.

Special hazards arising from the substance or mixture

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

Carbon oxides (CO / CO₂)

Advice for firefighters

No specific requirements.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation, especially in confined areas.

Contaminated areas may be slippery.

Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.

Keep unauthorized persons away from the spill

Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

Reference to other sections

See section 13 "Disposal considerations" on handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling

Smoking, drinking and consumption of food is not allowed in the work area.

See section 8 "Exposure controls/personal protection" for information on personal protection.

Conditions for safe storage, including any incompatibilities

Recommended storage material:

Keep only in original packaging.

Storage conditions:

Dry, cool and well ventilated

Incompatible materials:

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

Specific end use(s)

This product should only be used for applications quoted in section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

hydrogen peroxide

Long term PEL (8 hours) (ppm): 1

Long term PEL (8 hours) (mg/m³): 1.4

Workplace Safety and Health Act (Chapter 354a, Section 65), Workplace Safety and Health (General Provisions) Regulations (G.N. No. S 134/2006) (Latest revision: January 2023)

Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

General recommendations:

Smoking, drinking and consumption of food is not allowed in the work area.

Exposure scenarios:

There are no exposure scenarios implemented for this product.

Exposure limits:

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

Appropriate technical measures:

The formation of vapours must be kept at a minimum and below current limit values (see above). Installation of a local exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure eyewash and emergency showers are clearly marked.

Apply standard precautions during use of the product. Avoid inhalation of vapours.

Hygiene measures:

Wash hands after use.

Measures to avoid environmental exposure:

No specific requirements.

Individual protection measures, such as personal protective equipment

Generally:

Use only protective equipment with a recognized certification mark, e.g. the S-Mark.

Respiratory Equipment:

Type	Class	Colour	Standards	
No special when used				

Type	Class	Colour	Standards	
as intended.				

Skin protection:

Recommended	Type/Category	Standards	
No special when used as intended.	-	-	

Hand protection:

Work situation	Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
	No special when used as intended	-	-	-	
In the event of prolonged exposure or high concentrations	Cotton/Latex	-	> 120	EN374-2, EN16523-1, EN388	

Eye protection:

Work situation	Type	Standards	
	No special when used as intended.	-	
In the event of prolonged exposure or high concentrations	Safety glasses with side shields.	EN166	

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Form:

Liquid

Colour:

Colourless

Odour:

Of perfume

Odour threshold (ppm):

No data available.

pH:

ca. 4.8

Density (g/cm³):

1.02 (20 °C)

Kinematic viscosity:

No data available.

Particle characteristics:

Does not apply to liquids.

Phase changes

Melting point/Freezing point (°C):

No data available.

Softening point/range (°C):

Does not apply to liquids.

Boiling point (°C):

No data available.

Vapour pressure:

No data available.

Relative vapour density:

No data available.

Decomposition temperature (°C):

No data available.

Evaporation rate (n-butylacetate = 100):

Data on fire and explosion hazards

Flash point (°C):

No data available.

Flammability (°C):

No data available.

Auto-ignition temperature (°C):

No data available.

Explosion limits (% v/v):

No data available.

Solubility

Solubility in water:

Completely soluble

n-octanol/water coefficient (LogKow):

No data available.

Solubility in fat (g/L):

No data available.

Other information

Other physical and chemical parameters:

No data available.

Oxidizing properties:

No data available.

SECTION 10: STABILITY AND REACTIVITY

Reactivity

No data available.

Chemical stability

The product is stable under the conditions, noted in section 7 "Handling and storage".

Possibility of hazardous reactions

None known.

Conditions to avoid

None known.

Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity

Product/substance	hydrogen peroxide

Conforms to Singapore Standard SS 586-3:2022

Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	1.193 - 1.270 mg/L

Product/substance	hydrogen peroxide
Species:	Rabbit
Route of exposure:	Dermal
Test:	LD50
Result:	>2.000 (35% oplossing) mg/kg

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	500 mg/kg

Based on available data, the classification criteria are not met.

Skin corrosion/irritation

Product/substance	hydrogen peroxide
Result:	Adverse effect observed (Irritating)

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Test method:	OECD 404
Result:	Adverse effect observed (Irritating)

Based on available data, the classification criteria are not met.

Serious eye damage/irritation

Product/substance	hydrogen peroxide
Result:	Adverse effect observed (Causes serious eye damage)

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Test method:	OECD 405
Result:	Adverse effect observed (Causes serious eye damage)

Based on available data, the classification criteria are not met.

Respiratory sensitisation

Product/substance	hydrogen peroxide
Result:	No adverse effect observed (not sensitising)

Based on available data, the classification criteria are not met.

Skin sensitisation

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Test method:	OECD 429
Species:	Mouse
Result:	Adverse effect observed (sensitising)

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Test method:	OECD 406
Species:	Guinea pig
Result:	Adverse effect observed (sensitising)

Based on available data, the classification criteria are not met.

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Product/substance	hydrogen peroxide
Conclusion:	No adverse effect observed

Based on available data, the classification criteria are not met.

hydrogen peroxide has been classified by IARC as a group 3 carcinogen.

Reproductive toxicity

Product/substance: hydrogen peroxide
Conclusion: No adverse effect observed

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Product/substance: hydrogen peroxide
Based on available data, the classification criteria are not met.

Long term effects

None known.

SECTION 12: ECOLOGICAL INFORMATION

Toxicity

Product/substance: hydrogen peroxide
Species: Fish, Pimephales promelas
Duration: 96 hours
Test: LC50
Result: 16,4 mg/L

Product/substance: hydrogen peroxide
Species: Fish, Leuciscus idus
Duration: 72 hours
Test: LC50
Result: 35 mg/L

Product/substance: hydrogen peroxide
Species: Fish, Oncorhynchus mykiss
Duration: 7 days
Test: LC50
Result: 38,5 mg/L

Product/substance: hydrogen peroxide
Species: Daphnia pulex
Duration: 48 hours
Test: EC50
Result: 2,4 mg/L

Product/substance: hydrogen peroxide
Species: Daphnia magna
Duration: 24 hours
Test: EC50
Result: 7,7 mg/L

Product/substance: hydrogen peroxide
Species: Skeletonema costatum
Duration: 72 hours
Test: EC50
Result: 1,38 mg/L

Product/substance: hydrogen peroxide
Test method: OECD 209
Species: Bacteria
Compartment: Activated Sludge Plant
Duration: 30 minutes

Conforms to Singapore Standard SS 586-3:2022

Test: EC50
Result: 466 mg/L

Product/substance: hydrogen peroxide
Test method: OECD 209
Species: Bacteria
Compartment: Activated Sludge Plant
Duration: 3 hours
Test: EC50
Result: > 1.000 mg/L

Product/substance: 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Species: Fish
Duration: 96 hours
Test: LC50
Result: >0.1-1 mg/L

Product/substance: 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Species: Crustacean
Duration: 48 hours
Test: EC50
Result: >0.1-1 mg/L

Product/substance: 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Species: Algae
Duration: 72 hours
Test: EC50
Result: >0.1-1 mg/L

Based on available data, the classification criteria are not met.

Persistence and degradability

Product/substance: Alcohol, C13, bran., EO, sulfate Na~
Result: > 60 %
Conclusion: Readily biodegradable
Test: OECD 301 B

Product/substance: hydrogen peroxide
Conclusion: Readily biodegradable

Product/substance: 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Result: 90%
Conclusion: Readily biodegradable
Test: OECD 302

Bioaccumulative potential

Product/substance: hydrogen peroxide
LogKow: -1,57
Conclusion: -

Product/substance: 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
BCF: 2
LogKow: 1.45
Conclusion: Potential for bioaccumulation is low

Mobility in soil

No data available.

Results of PBT and vPvB assessment

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

Other adverse effects

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

Dispose of contents/container to an approved waste disposal plant.
Environmental Protection and Management Act 1999 (2020 Rev. Ed.)

Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: TRANSPORT INFORMATION

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Packing group

** Environmental hazards

Additional information

Not dangerous goods according to ADR, IATA and IMDG.

Special precautions for user

Not applicable.

Transport in bulk according to Annex II of Marpol and the IBC Code

No data available.

SECTION 15: REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

Restrictions for application:

Restricted to professional users.

Demands for specific education:

No specific requirements.

Major hazard installation:

Not applicable.

Additional information:

Not applicable.

Sources:

Employment Act 1968 (2020 Rev. Ed.)

Environmental Protection and Management Act 1999 (2020 Rev. Ed.)

Environmental Protection and Management Act (Chapter 94a, Section 77), Environmental Protection and Management (Hazardous Substances) Regulations (No. S 159/1999)

Globally Harmonized System of Classification and Labelling of Chemicals (GHS Rev. 8, 2019) as specified by SS 586-2 and SS 586-3:2022.

Chemical safety assessment

No

SECTION 16: OTHER INFORMATION

Full text of H-phrases as mentioned in section 3

H271, May cause fire or explosion; strong oxidiser.
H302, Harmful if swallowed.
H314, Causes severe skin burns and eye damage.
H315, Causes skin irritation.
H318, Causes serious eye damage.
H319, Causes serious eye irritation.
H332, Harmful if inhaled.
H336, May cause drowsiness or dizziness.

The full text of identified uses as mentioned in section 1

None known.

Abbreviations and acronyms

ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
CAS = Chemical Abstracts Service
EINECS = European Inventory of Existing Commercial chemical Substances
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IARC = International Agency for Research on Cancer
IATA = International Air Transport Association
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. (""Marpol"" = marine pollution)
OECD = Organisation for Economic Co-operation and Development
PBT = Persistent, Bioaccumulative and Toxic
PEL = Permissible Exposure Level
RCM = Regulatory Mark of Conformity
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
SCL = A specific concentration limit
SS = Singapore Standard
STEL = Short-term exposure limits
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
STOT-SE = Specific Target Organ Toxicity - Single Exposure
TWA = Time weighted average
UN = United Nations
UVBC = Unknown or variable composition, complex reaction products or of biological materials
VOC = Volatile Organic Compound
vPvB = Very Persistent and Very Bioaccumulative

Additional information

Not applicable.

The safety data sheet is validated by

Quality & Compliance

Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

Country-language: SG-en

VARNOSTNI LIST

i.1 all-purpose cleaner FlexDose

ODDELEK 1: IDENTIFIKACIJA SNOVI/ZMESI IN DRUŽBE/PODJETJA

1.1. Identifikator izdelka

▼ *Trgovsko ime:*

i.1 all-purpose cleaner FlexDose

1.2. Pomembne identificirane uporabe snovi ali zmesi in odsvetovane uporabe

Pomembne identificirane uporabe snovi ali zmesi:

Detergenti in čistilna sredstva (vključno s tistimi na osnovi topil)

Samo za poklicne uporabnike.

Odsvetovane uporabe:

Ni znano.

1.3. Podrobnosti o dobavitelju varnostnega lista

Podjetje in naslov podjetja:

Hygeniq B.V.

Lenteweg 15

7532 RV Enschede

Nederland

0534282860

E-pošta:

info@hygeniq.com

Sprememba:

27. 06. 2025

Različica SDS:

2.0

Datum prejšnje izdaje:

2. 06. 2025 (1.0)

1.4. Telefonska številka za nujne primere

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Glejte oddelek 4 "Ukrepi za prvo pomoč"

ODDELEK 2: DOLOČITEV NEVARNOSTI

2.1. Razvrstitev snovi ali zmesi

Ni klasificirano v skladu z Uredbo (ES) št. 1272/2008 (CLP).

2.2. Elementi etikete

Piktogram(i) za nevarnost:

Se ne uporablja.

Opozorilna beseda:

Se ne uporablja.

Stavki o nevarnosti:

Se ne uporablja.

Previdnostni stavki:

Splošno:

-

Preprečevanje:

-

Odgovor:

-

Shramba:

-

Odstranjevanje:

-

Identiteta snovi, ki so primarno odgovorne za večja zdravstvena tveganja:

Ne vsebuje snovi, ki so potrebne za poročanje

Dodatno označevanje:

EUH210, Varnosti list na voljo na zahtevo.

Označevanje vsebine v skladu z Uredbo o detergentih 648/2004 (velja za embalažo detergentov, ki se prodajajo širši javnosti):

>5% - <15%

· Neionske površinsko aktivne snovi

< 5%

· Anionske površinsko aktivne snovi

· Belila na osnovi kisika

· Parfumi

· Konzervansu (BENZISOTHIAZOLINONE)

2.3. Druge nevarnosti

Dodatna opozorila:

Mešanica/izdelek ne vsebuje nobenih snovi, ki izpolnjujejo merila za razvrstitev kot PBT in/ali vPvB.

Ta proizvod ne vsebuje nobenih snovi, za katere se šteje, da so endokrini motilci v skladu z merili, določenimi v Delegirani uredbi Komisije (EU) 2017/2100 ali Uredbi Komisije (EU) 2023/707.

ODDELEK 3: SESTAVA/PODATKI O SESTAVINAH

3.1. Snovi

Se ne uporablja. Ta proizvod je mešanica.

3.2. Zmesi

Izdelek/sestavina	Identifikatorji	% w/w	Razvrstitev	Opombe
Alcohol, C13, bran., EO, sulfate Na~	Št. CAS: 150413-26-6 Št. ES: 688-316-0 REACH: Indeksna št.:	1-3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 3, H412	
vodikov peroksid v raztopini 35%	Št. CAS: 7722-84-1 Št. ES: 231-765-0 REACH: 01-2119485845-22-XXXX Indeksna št.: 008-003-00-9	1-3%	Ox. Liq. 1, H271 Acute Tox. 4, H302 Skin Corr. 1A, H314 (SCL: 70,00 %) Skin Corr. 1B, H314 (SCL: 50,00 %) Skin Irrit. 2, H315 (SCL: 35,00 %) Eye Dam. 1, H318 (SCL: 8,00 %) Eye Irrit. 2, H319 (SCL: 5,00 %) Acute Tox. 4, H332 STOT SE 3, H336 (SCL: 35,00 %)	

citroenzuurmonohydraat	Št. CAS: 5949-29-1 Št. ES: 611-842-9 REACH: 01-2119457026-42-XXXX Indeksna št.:	<0.1%	Eye Irrit. 2, H319	
Disodium tin hexahydroxide	Št. CAS: 12027-70-2 Št. ES: 234-724-5 REACH: 01-2120770924-45-XXXX Indeksna št.:	<0.05%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	[1]

Poglejte celotno besedilo o H-stavkih v oddelek 16. Mejne vrednosti poklicne izpostavljenosti so našteje v oddelek 8, če so na voljo.

Druge informacije

[1] Evropska mejna vrednost poklicne izpostavljenosti.

ODDELEK 4: UKREPI ZA PRVO POMOČ

4.1. Opis ukrepov za prvo pomoč

Splošne informacije:

V primeru nesreče: Stopite v stik z zdravnikom ali urgenco - vzemite nalepko ali ta varnostni list s sabo. Posvetujte z zdravnikom, če ste v dvomih o stanju poškodovanca ali če simptomi ne izginejo. Nikoli ne dajajte nezavestni osebi vode ali podobno.

Vdihavanje:

Ob težavah z dihanjem ali draženju dihal: Pospremite osebo na svež zrak in ostanite tam z njo.

Stik s kožo:

V primeru draženja: splahnite izdelek. V primeru ponavljajočega draženja: Poiščite zdravniško pomoč.

Stik z očmi:

Pri stiku z očmi: Oči spirajte z vodo ali fiziološko raztopino (20-30 ° C) najmanj 5 minut. Odstranite kontaktne leče. Poiščite zdravniško pomoč in nadaljujte z izpiranjem med prevozom.

Zaužitje:

Če je oseba pri zavesti, sperite usta z vodo in ostanite ob osebi. Če se oseba počuti slabo, se takoj posvetujte z zdravnikom in vzemite ta varnostni list ali etiketo z izdelka, z vami. Ne izzivajte bruhanja, razen če ga priporoča zdravnik. Držite glavo obrnjeno navzdol, tako da ne izbljuvek ne teče nazaj v usta in grlo.

Opekline:

Se ne uporablja.

4.2. Najpomembnejši simptomi in učinki, akutni in zapozneli

Ni znano.

4.3. Navedba kakršne koli takojšnje medicinske oskrbe in posebnega zdravljenja

Zdravite simptomatsko.

Navodila medicinskemu osebju

Prinesite ta varnostnega lista ali etiketo z materiala.

ODDELEK 5: PROTIPOŽARNI UKREPI

5.1. Sredstva za gašenje

Se ne uporablja.

5.2. Posebne nevarnosti v zvezi s snovjo ali zmesjo

Ob izbruhu ognja pride do gostega dima. Izpostavljenost kataboličnim izdelkom lahko škoduje vašemu zdravju. Zaprte posode, ki so izpostavljene ognju, je treba ohladiti z vodo. Preprečite, da bi voda, s katero je bil gašen požar,

iztekala v kanalizacijo in druge vodotoke.

Če je izdelek izpostavljen visokim temperaturam, kot v primeru požara, se proizvedejo nevarne katabolne snovi. To so: Ogljikovi oksidi (CO / CO₂)

5.3. Nasvet za gasilce

Ni posebnih zahtev.

ODDELEK 6: UKREPI OB NENAMERNIH IZPUSTIH

6.1. Osebnostni ukrepi, zaščitna oprema in postopki v sili

Zagotovite ustrezno prezračevanje, predvsem v zaprtih prostorih.
Kontaminirana območja so lahko spolzka.

6.2. Okoljevarstveni ukrepi

Izogibajte se izpustom v jezera, potoke, kanalizacijo, itd.
Nepooblaščen osebe naj se ne približujejo razlitju

6.3. Metode in materiali za zadrževanje in čiščenje

Razlitje omejite in zberite z nevnetljivim, vpojnim materialom, npr. peskom, zemljo, vermikulitom ali diatomejsko zemljo, in dajte v posodo za odlaganje v skladu z lokalnimi predpisi.
Počistiti je potrebno v največji možni meri, z uporabo običajnih čistil. Izogibati se je potrebno topilom.

6.4. Sklizevanje na druge oddelke

Glejte oddelek 13 "Odstranjevanje" za ravnanje z odpadki.
Za zaščitne ukrepe glejte oddelek 8 "Nadzor izpostavljenosti/osebna zaščita".

ODDELEK 7: RAVNANJE IN SKLADIŠČENJE

7.1. Varnostni ukrepi za varno ravnanje

V delovnih prostorih ni dovoljeno kajenje, uživanje hrane ali tekočine in shranjevanje tobaka, hrane ali tekočine.
Glejte oddelek "Nadzor izpostavljenosti/osebna zaščita" za informacije glede osebne zaščite.

7.2. Pogoji za varno skladiščenje, vključno z nezdružljivostjo

Posode, ki so bile odprte, se morajo previdno zatesniti in hraniti v pokončnem položaju, da se prepreči iztekanje.

Združljivostjo embalaže:

Hraniti samo v originalni embalaži.

Pogji skladiščenja:

Suho, hladno in dobro prezračeno

Nezdružljivi materiali:

Močne kisline, močne baze, močni oksidanti in močni reducenti.

7.3. Posebne končne uporabe

Ta izdelek se sme uporabljati le za uporabe, opisane v oddelek 1.2.

ODDELEK 8: NADZOR IZPOSTAVLJENOSTI/OSEBNA ZAŠČITA

8.1. Parametri nadzora

2-(2-ethoxyethoxy)ethanol

Kratkotrajna vrednost (15 min) (KTV) (ppm): 12

Kratkotrajna vrednost (15 min) (KTV) (mg/m³): 70

Mejne vrednosti (8 ur) (MV) (ppm): 6

Mejne vrednosti (8 ur) (MV) (mg/m³): 35

Opombe:

Y = Snovi, pri katerih ni nevarnosti za zarodek ob upoštevanju mejnih vrednosti in BAT-vrednosti.

vodikov peroksid v raztopini 35%

Kratkotrajna vrednost (15 min) (KTV) (mg/m³): 1

Mejne vrednosti (8 ur) (MV) (ppm): 1

Mejne vrednosti (8 ur) (MV) (mg/m³): 1,4

1602. Pravilnik o spremembah in dopolnitvah Pravilnika o varovanju delavcev pred tveganji zaradi izpostavljenosti kemičnim snovem pri delu, stran 4251.

DNEL

1,2-benzizotiazol-3(2H)-on; 1,2-benzizotiazolin-3-on; 1,2-benzizotiazol-3(2H)-on

Trajanje:	Način izpostavljenosti:	DNEL:
Dolgoročno - sistemski učinki - delavci	Dermalno	966 µg/kg bw/day
Dolgoročno - sistemski učinki - splošna populacija	Dermalno	0.345 mg/kg
Dolgoročno - sistemski učinki - delavci	Inhalacija	6.81 mg/m ³
Dolgoročno - sistemski učinki - splošna populacija	Inhalacija	1.2 mg/m ³

2-(2-ethoxyethoxy)ethanol

Trajanje:	Način izpostavljenosti:	DNEL:
Dolgoročno - sistemski učinki - delavci	Dermalno	50 mg/kg bw/day
Dolgoročno - sistemski učinki - delavci	Dermalno	83 mg/kg/day
Dolgoročno - sistemski učinki - splošna populacija	Dermalno	25 mg/kg/day
Dolgoročno - lokalni učinki - delavci	Inhalacija	18 mg/m ³
Dolgoročno - lokalni učinki - delavci	Inhalacija	30 mg/m ³
Dolgoročno - lokalni učinki - splošna populacija	Inhalacija	18,3 mg/m ³
Dolgoročno - lokalni učinki - splošna populacija	Inhalacija	18 mg/m ³
Dolgoročno - sistemski učinki - delavci	Inhalacija	37 mg/m ³
Dolgoročno - sistemski učinki - delavci	Inhalacija	61 mg/m ³
Dolgoročno - sistemski učinki - splošna populacija	Oralno	25 mg/kg bw/day

Disodium tin hexahydroxide

Trajanje:	Način izpostavljenosti:	DNEL:
Dolgoročno - sistemski učinki - delavci	Dermalno	3.37 mg/kg bw/day
Dolgoročno - sistemski učinki - splošna populacija	Dermalno	1.21 mg/kg bw/day
Dolgoročno - sistemski učinki - delavci	Inhalacija	11.9 mg/m ³
Dolgoročno - sistemski učinki - splošna populacija	Inhalacija	1.78 mg/m ³
Dolgoročno - sistemski učinki - splošna populacija	Oralno	1.21 mg/kg bw/day

vodikov peroksid v raztopini 35%

Trajanje:	Način izpostavljenosti:	DNEL:
Dolgoročno - lokalni učinki - delavci	Inhalacija	1.4 mg/m ³
Dolgoročno - lokalni učinki - splošna populacija	Inhalacija	0,21 mg/m ³
Dolgoročno - lokalni učinki - splošna populacija	Inhalacija	210 µg/m ³
Kratkoročno - lokalni učinki - delavci	Inhalacija	3 mg/m ³
Kratkoročno - lokalni učinki - splošna populacija	Inhalacija	1.93 mg/m ³

PNEC

1,2-benzizotiazol-3(2H)-on; 1,2-benzizotiazolin-3-on; 1,2-benzizotiazol-3(2H)-on

Način izpostavljenosti:	Trajanje izpostavljenosti:	PNEC:
Morska usedlina		4.99 µg/kg
Morska voda		403 ng/L
Naprava za čiščenje odplak		1.03 mg/L

Občasno spuščanje (morska voda)		110 ng/L
Občasno spuščanje (sladka voda)		1.1 µg/L
Sladka voda		4.03 µg/L
Sladkovona usedlina		49.9 µg/kg
Tla		3 mg/kg

2-(2-ethoxyethoxy)ethanol

Način izpostavljenosti:	Trajanje izpostavljenosti:	PNEC:
Morska usedlina		0,274 mg/kg
Morska voda		0,074 mg/L
Morska voda		0.198 mg/L
Naprava za čiščenje odplak		500 mg/L
Občasno spuščanje		10 mg/L
Občasno spuščanje (sladka voda)		10 mg/L
Sladka voda		0,74 mg/L
Sladka voda		1.98 mg/L
Sladkovona usedlina		2,47 mg/kg
Sladkovona usedlina		7.32 mg/kg
Tla		0,15 mg/kg
Tla		0.732 mg/kg
Tla		0.34 mg/kg

Disodium tin hexahydroxide

Način izpostavljenosti:	Trajanje izpostavljenosti:	PNEC:
Morska usedlina		139.46 µg/kg
Morska voda		3.31 µg/L
Naprava za čiščenje odplak		10 mg/L
Občasno spuščanje (morska voda)		33.1 µg/L
Občasno spuščanje (sladka voda)		331 µg/L
Sladka voda		33.1 µg/L
Sladkovona usedlina		1.395 mg/kg

vodikov peroksid v raztopini 35%

Način izpostavljenosti:	Trajanje izpostavljenosti:	PNEC:
Morska usedlina		0,047 mg/L
Morska usedlina		47 µg/kg
Morska voda		0,047 mg/L
Morska voda		12.6 µg/L
Naprava za čiščenje odplak		4.66 mg/L
Naprava za čiščenje odplak		4.66 mg/L
Občasno spuščanje (sladka voda)		13.8 µg/L
Sladka voda		0,0126 mg/L
Sladka voda		12.6 µg/L
Sladkovona usedlina		0,047 mg/kg
Sladkovona usedlina		47 µg/kg

Tla		0,023 mg/kg
Tla		2.3 µg/kg

8.2. Nadzor izpostavljenosti

Skladnost z navedenimi vrednostmi omejitev ob izpostavljenosti, je treba redno preverjati.

Splošna priporočila:

V delovnih prostorih ni dovoljeno kajenje, uživanje hrane ali tekočine in shranjevanje tobaka, hrane ali tekočine.

Scenariji izpostavljenosti:

Za ta izdelek ni scenarijev izpostavljenosti.

Omejitve izpostavljenosti:

Trgovci so zajeti v pravilih zakonodaje delovnega okolja glede najvišjih dovoljenih koncentracij izpostavljenosti.

Zgoraj si oglejte mejne vrednosti delovne higiene.

Primerni tehnični ukrepi:

Nastajanje pare naj bo minimalno in pod vrednostmi trenutne omejitve (glejte zgoraj.). Če v delovnem prostoru ni zadostnega normalnega zračnega pretoka, je priporočena namestitve lokalnega izpušnega sistema. Prepričajte se, da so zasilne enote za izpiranje oči in prhe jasno označene.

Med uporabo izdelka upoštevajte varnostne ukrepe. Izogibajte se vdihavanju hlapov.

Higienski ukrepi:

Kadarkoli si vzamete premor ob uporabi tega izdelka in ko ga prenehate uporabljati, je potrebno oprati vse izpostavljene površine telesa. Bodite posebej pozorni na roke, podlakti in obraz.

Ukrepi, da se prepreči okoljska izpostavljenost:

Ni posebnih zahtev.

Posamezni varnostni ukrepi, kot na primer osebna zaščitna oprema

Na splošno:

Uporabljajte samo zaščitno opremo z oznako CE.

Dihalna oprema:

Tip	Razred	Barva	Standarde	
Brez posebnosti, ko je v nameravani uporabi.				

Zaščita kože:

Priporočeno	Tipa/Kategorije	Standarde	
Brez posebnosti, ko je v nameravani uporabi	-	-	

Zaščita za roke:

Okoliščine na delovnem mestu	Material	Debelina rokavice (mm)	Čas prodiranja (min.)	Standarde	
	Brez posebnosti, ko je v nameravani uporabi	-	-	-	
V primeru dolgotrajne izpostavljenosti ali pri visokih koncentracijah	Bombaža / Naravna guma (lateks)	-	> 120	EN374-2, EN16523-1, EN388	

Zaščita za oči:

Okoliščine na delovnem mestu	Tip	Standarde	
	Brez posebnosti, ko je v nameravani uporabi.	-	
V primeru dolgotrajne izpostavljenosti ali pri visokih koncentracijah	Nosite varnostna očala s stranskimi ščitniki.	EN166	

ODDELEK 9: FIZIKALNE IN KEMIJSKE LASTNOSTI

9.1. Podatki o osnovnih fizikalnih in kemijskih lastnostih

Oblika:

Tekoč

Barva:

Brezbarven

Vonj / Mejne vrednosti vonja (ppm):

Odišavljen

pH:

ca. 4.8

Gostota (g/cm³):

1,02 (20 °C)

Kinematična viskoznost:

Podatki niso na voljo.

Lastnosti delcev:

Se ne uporablja za tekočine.

Spremembe faz

Tališče/ledišče (°C):

Podatki niso na voljo.

Zmehčišče (voskih in pastah) (°C):

Se ne uporablja za tekočine.

Vreliščna točka (°C):

Podatki niso na voljo.

Pritisk pare:

Podatki niso na voljo.

Relativna parna gostota:

Podatki niso na voljo.

Temperatura razpadanja (°C):

Podatki niso na voljo.

Podatki o nevarnostih požara in eksplozije

Plamenišče (°C):

Podatki niso na voljo.

Vnetljivost (°C):

Podatki niso na voljo.

Temperatura samovžiga (°C):

Podatki niso na voljo.

Omejitve eksplozije (Vol %):

Podatki niso na voljo.

Topnost

Topnost v vodi:

Povsem topno

n-oktanol / vodni koeficient (LogKow):

Podatki niso na voljo.

Topnost v maščobi (g/L):

Podatki niso na voljo.

9.2. Drugi podatki

Drugi fizikalni in kemijski parametri:

Podatki niso na voljo.

Oksidacijske lastnosti:

Podatki niso na voljo.

ODDELEK 10: OBSTOJNOST IN REAKTIVNOST

10.1. Reaktivnost

Podatki niso na voljo.

10.2. Kemijska stabilnost

Izdelek je stabilen v pogojih, ki so navedeni v oddelek 7 "Ravnanje in skladiščenje".

10.3. Možnost poteka nevarnih reakcij

Ni znano.

10.4. Pogoji, ki se jim je treba izogniti

Ni znano.

10.5. Nezdružljivi materiali

Močne kisline, močne baze, močni oksidanti in močni reducenti.

10.6. Nevarni produkti razgradnje

V običajnih pogojih shranjevanja in uporabe ne bi smeli nastajati nevarni produkti razgradnje.

ODDELEK 11: TOKSIKOLOŠKI PODATKI

11.1. Podatki o razredih nevarnosti, kakor so opredeljeni v Uredbi (ES) št. 1272/2008

Akutna toksičnost

Izdelek/sestavina	2-(2-ethoxyethoxy)ethanol
Vrste:	Podgana
Način izpostavljenosti:	Inhalacija
Test:	LC0
Rezultat:	0,025 mg/L

Izdelek/sestavina	2-(2-ethoxyethoxy)ethanol
Testni metoda:	OECD 402
Vrste:	Zajec
Način izpostavljenosti:	Dermalno
Test:	LD50
Rezultat:	9143 mg/kg

Izdelek/sestavina	2-(2-ethoxyethoxy)ethanol
Vrste:	Miš
Način izpostavljenosti:	Oralno
Test:	LD50
Rezultat:	6031 mg/kg

Izdelek/sestavina	vodikov peroksid v raztopini 35%
Vrste:	Podgana
Način izpostavljenosti:	Oralno
Test:	LD50
Rezultat:	1.193 - 1.270 mg/L

Izdelek/sestavina	vodikov peroksid v raztopini 35%
Vrste:	Zajec
Način izpostavljenosti:	Dermalno
Test:	LD50
Rezultat:	>2.000 (35% oplossing) mg/kg

Izdelek/sestavina	1,2-benzizotiazol-3(2H)-on; 1,2-benzizotiazolin-3-on;1,2-benzizotiazol-3(2H)-on
Vrste:	Podgana
Način izpostavljenosti:	Oralno
Test:	LD50
Rezultat:	500 mg/kg

Na podlagi razpoložljivih podatkov merila za razvrstitev niso izpolnjena.

Jedkost / draženje kože

Izdelek/sestavina	2-(2-ethoxyethoxy)ethanol
Rezultat:	Škodljivi učinki niso bili ugotovljeni (Ne draži)

Izdelek/sestavina	vodikov peroksid v raztopini 35%
Rezultat:	Ugotovljeni škodljivi učinki (Draži)

Izdelek/sestavina	1,2-benzizotiazol-3(2H)-on; 1,2-benzizotiazolin-3-on;1,2-benzizotiazol-3(2H)-on
Testni metoda:	OECD 404
Rezultat:	Ugotovljeni škodljivi učinki (Draži)

Na podlagi razpoložljivih podatkov merila za razvrstitev niso izpolnjena.

Resna poškodba/draženje oči

Izdelek/sestavina	2-(2-ethoxyethoxy)ethanol
Rezultat:	Ugotovljeni škodljivi učinki (Rahlo draži)

Izdelek/sestavina	vodikov peroksid v raztopini 35%
Rezultat:	Ugotovljeni škodljivi učinki (Povzroča hude poškodbe oči)

Izdelek/sestavina	1,2-benzizotiazol-3(2H)-on; 1,2-benzizotiazolin-3-on;1,2-benzizotiazol-3(2H)-on
Testni metoda:	OECD 405
Rezultat:	Ugotovljeni škodljivi učinki (Povzroča hude poškodbe oči)

Na podlagi razpoložljivih podatkov merila za razvrstitev niso izpolnjena.

Preobčutljivost dihal

Izdelek/sestavina	vodikov peroksid v raztopini 35%
Rezultat:	Škodljivi učinki niso bili ugotovljeni (ne senzibilizira)

Na podlagi razpoložljivih podatkov merila za razvrstitev niso izpolnjena.

Preobčutljivost kože

Izdelek/sestavina	1,2-benzizotiazol-3(2H)-on; 1,2-benzizotiazolin-3-on;1,2-benzizotiazol-3(2H)-on
Testni metoda:	OECD 429
Vrste:	Miš
Rezultat:	Ugotovljeni škodljivi učinki (povzroča preobčutljivost)

Izdelek/sestavina	1,2-benzizotiazol-3(2H)-on; 1,2-benzizotiazolin-3-on;1,2-benzizotiazol-3(2H)-on
Testni metoda:	OECD 406
Vrste:	Morski prašiček
Rezultat:	Ugotovljeni škodljivi učinki (povzroča preobčutljivost)

Na podlagi razpoložljivih podatkov merila za razvrstitev niso izpolnjena.

Mutagenost zarodnih celic

Na podlagi razpoložljivih podatkov merila za razvrstitev niso izpolnjena.

Rakotvornost

Izdelek/sestavina	vodikov peroksid v raztopini 35%
Zaključek:	Škodljivi učinki niso bili ugotovljeni

Na podlagi razpoložljivih podatkov merila za razvrstitev niso izpolnjena.

Razmnoževalna toksičnost

Izdelek/sestavina	vodikov peroksid v raztopini 35%
Zaključek:	Škodljivi učinki niso bili ugotovljeni

Na podlagi razpoložljivih podatkov merila za razvrstitev niso izpolnjena.

STOT-enkratna izpostavljenost

Na podlagi razpoložljivih podatkov merila za razvrstitev niso izpolnjena.

STOT-ponavljajoča izpostavljenost

Na podlagi razpoložljivih podatkov merila za razvrstitev niso izpolnjena.

Nevarnost pri vdihavanju

Izdelek/sestavina vodikov peroksid v raztopini 35%

Na podlagi razpoložljivih podatkov merila za razvrstitev niso izpolnjena.

11.2. Podatki o drugih nevarnostih

Dolgoročni učinki

Ni znano.

Lastnosti endokrinih motilcev

Ta mešanica/izdelek ne vsebuje nobene snovi, za katero se šteje, da ima lastnosti hormonskega motilca v zvezi z zdravjem

Drugi podatki

odikov peroksid v raztopini 35%: Agencija IARC je snov razvrstila v skupino 3.

ODDELEK 12: EKOLOŠKI PODATKI

12.1. Strupenost

Izdelek/sestavina	2-(2-ethoxyethoxy)ethanol
Vrste:	Bakterije
Trajanje:	16 hours
Rezultat:	> 5000 mg/L

Izdelek/sestavina	2-(2-ethoxyethoxy)ethanol
Testni metoda:	OECD 201
Vrste:	Alge, <i>Desmodesmus subspicatus</i>
Trajanje:	96 ur
Test:	EC50
Rezultat:	>100 mg/L

Izdelek/sestavina	2-(2-ethoxyethoxy)ethanol
Testni metoda:	OECD 202
Vrste:	<i>Daphnia magna</i>
Trajanje:	48 ur
Test:	EC50
Rezultat:	1982 mg/L

Izdelek/sestavina	2-(2-ethoxyethoxy)ethanol
Testni metoda:	OECD 203
Vrste:	Riba, <i>Ictalurus catus</i>
Trajanje:	96 ur
Test:	LC50
Rezultat:	6010 mg/L

Izdelek/sestavina	vodikov peroksid v raztopini 35%
Vrste:	Riba, <i>Pimephales promelas</i>
Trajanje:	96 ur
Test:	LC50
Rezultat:	16,4 mg/L

Izdelek/sestavina	vodikov peroksid v raztopini 35%
Vrste:	Riba, <i>Leuciscus idus</i>
Trajanje:	72 ur
Test:	LC50

Rezultat: 35 mg/L

Izdelek/sestavina: vodikov peroksid v raztopini 35%
Vrste: Riba, Oncorhynchus mykiss
Trajanje: 7 dneh
Test: LC50
Rezultat: 38,5 mg/L

Izdelek/sestavina: vodikov peroksid v raztopini 35%
Vrste: Daphnia pulex
Trajanje: 48 ur
Test: EC50
Rezultat: 2,4 mg/L

Izdelek/sestavina: vodikov peroksid v raztopini 35%
Vrste: Daphnia magna
Trajanje: 24 ur
Test: EC50
Rezultat: 7,7 mg/L

Izdelek/sestavina: vodikov peroksid v raztopini 35%
Vrste: Skeletonema costatum
Trajanje: 72 ur
Test: EC50
Rezultat: 1,38 mg/L

Izdelek/sestavina: vodikov peroksid v raztopini 35%
Testni metoda: OECD 209
Vrste: Bakterije
Oddelek okolja: Naprava z aktivnim blatom
Trajanje: 30 minutes
Test: EC50
Rezultat: 466 mg/L

Izdelek/sestavina: vodikov peroksid v raztopini 35%
Testni metoda: OECD 209
Vrste: Bakterije
Oddelek okolja: Naprava z aktivnim blatom
Trajanje: 3 ur
Test: EC50
Rezultat: > 1.000 mg/L

Izdelek/sestavina: 1,2-benzizotiazol-3(2H)-on; 1,2-benzizotiazolin-3-on; 1,2-benzizotiazol-3(2H)-on
Vrste: Riba
Trajanje: 96 ur
Test: LC50
Rezultat: >0.1-1 mg/L

Izdelek/sestavina: 1,2-benzizotiazol-3(2H)-on; 1,2-benzizotiazolin-3-on; 1,2-benzizotiazol-3(2H)-on
Vrste: Rak
Trajanje: 48 ur
Test: EC50
Rezultat: >0.1-1 mg/L

Izdelek/sestavina: 1,2-benzizotiazol-3(2H)-on; 1,2-benzizotiazolin-3-on; 1,2-benzizotiazol-3(2H)-on
Vrste: Alge
Trajanje: 72 ur
Test: EC50
Rezultat: >0.1-1 mg/L

Na podlagi razpoložljivih podatkov merila za razvrstitev niso izpolnjena.

12.2. Obstočnost in razgradljivost

Izdelek/sestavina	2-(2-ethoxyethoxy)ethanol
Rezultat:	100 %
Zaključek:	Hiter biološki razkroj
Test:	OECD 301 B

Izdelek/sestavina	Alcohol, C13, bran., EO, sulfate Na~
Rezultat:	> 60 %
Zaključek:	Hiter biološki razkroj
Test:	OECD 301 B

Izdelek/sestavina	vodikov peroksid v raztopini 35%
Zaključek:	Hiter biološki razkroj

Izdelek/sestavina	1,2-benzizotiazol-3(2H)-on; 1,2-benzizotiazolin-3-on; 1,2-benzizotiazol-3(2H)-on
Rezultat:	90%
Zaključek:	Hiter biološki razkroj
Test:	OECD 302

Tenzid (i), ki je (so) prisoten (prisotni) v tem pripravku, izpolnjuje (jo) vse pravne predpise za biološko razgradnjo, kot je v Uredbi (EG) št. 648/2004 za detergente dolo č eno. Predloge, ki se nanašajo na to potrdilo, bodo odgovornim oblastem držav članic zagotovljene – na razpolago bodo na direktno zahtevo ali na zahtevo proizvajalca detergentov.

12.3. Zmožnost kopičenja v organizmih

Izdelek/sestavina	2-(2-ethoxyethoxy)ethanol
Zaključek:	Hiter biološki razkroj

Izdelek/sestavina	2-(2-ethoxyethoxy)ethanol
Zaključek:	-

Izdelek/sestavina	vodikov peroksid v raztopini 35%
LogKow:	-1,57
Zaključek:	-

Izdelek/sestavina	1,2-benzizotiazol-3(2H)-on; 1,2-benzizotiazolin-3-on; 1,2-benzizotiazol-3(2H)-on
BCF:	2
LogKow:	1.45
Zaključek:	Potencial za bioakumulacijo je nizek

12.4. Mobilnost v tleh

Podatki niso na voljo.

12.5. Rezultati ocene PBT in vPvB

Mešanica/izdelek ne vsebuje nobenih snovi, ki izpolnjujejo merila za razvrstitev kot PBT in/ali vPvB.

12.6. Lastnosti endokrinih motilcev

Ta mešanica/izdelek ne vsebuje nobene snovi, za katero se šteje, da ima lastnosti endokrinega motilca v zvezi z okoljem.

12.7. Drugi škodljivi učinki

Ni znano.

ODDELEK 13: ODSTRANJEVANJE

13.1. Metode ravnanja z odpadki

Izdelek je zajet v predpisih o nevarnih odpadkih. (*)

HP 4 - Dražilno (draženje kože in poškodba oči)

Uredba (EU) št. 1357/2014 z dne 18. decembra 2014 o odpadkih.

EWC koda:

20 01 30

čistila, ki niso zajeta v 20 01 29

Kontaminirana embalaža

Embalažo, ki vsebuje ostanke iz izdelka, je treba odstraniti na enak način, kot izdelek.

ODDELEK 14: PODATKI O PREVOZU

	14.1 ZN	14.2 Pravilno odpremno ime ZN	14.3 Razredi nevarnosti prevoza	14.4 PG*	14.5 Env**	Druge informacije:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Skupina embalaže

** Nevarnosti za okolje

Dodatne informacije

Ni naveden kot nevarno blago, v skladu s predpisi ADR, IATA in IMDG.

14.6. Posebni previdnostni ukrepi za uporabnika

Se ne uporablja.

14.7. Pomorski prevoz v razsutem stanju v skladu z instrumenti IMO

Podatki niso na voljo.

ODDELEK 15: ZAKONSKO PREDPISANI PODATKI

15.1. Predpisi/zakonodaja o zdravju, varnosti in okolju, specifični za snov ali zmes

Omejitve za uporabo:

Samo za poklicne uporabnike.

Zahteve za posebno izobraževanje:

Ni posebnih zahtev.

SEVESO - Kategorije nevarnih snovi / Imenovane nevarne snovi:

Se ne uporablja.

Uredba o predhodnih sestavin za eksplozive:

vodikov peroksid v raztopini 35% (Priloga I)

Označevanje vsebine v skladu z Uredbo o detergentih 648/2004:

>5% - <15%

· Neionske površinsko aktivne snovi

< 5%

· Anionske površinsko aktivne snovi

· Belila na osnovi kisika

· Parfumi

· Konzervansi (BENZISOTHIAZOLINONE)

Dodatne informacije:

Tenzid (i), ki je (so) prisoten (prisotni) v tem pripravku, izpolnjuje (jo) vse pravne predpise za biološko razgradnjo, kot je v Uredbi (EG) št. 648/2004 za detergente dolo č eno. Predloge, ki se nanašajo na to potrdilo, bodo odgovornim oblastem držav članic zagotovljene – na razpolago bodo na direktno zahtevo ali na zahtevo proizvajalca detergentov.

Viri:

Uredba (ES) št. 648/2004 Evropskega parlamenta in Sveta z dne 31. marca 2004 o detergentih.

Uredba (EU) št. 1357/2014 z dne 18. decembra 2014 o odpadkih.

Uredba (EU) 2019/1148 o predhodnih sestavin za eksplozive.

Uredba (ES) št. 1272/2008 Evropskega parlamenta in Sveta z dne 16. decembra 2008 o razvrščanju, označevanju in pakiranju snovi ter zmesi (CLP).

Uredba (ES) št. 1907/2006 Evropskega Parlamenta in Sveta z dne 18. decembra 2006 o registraciji, evalvaciji,

avtorizaciji in omejevanju kemikalij (REACH).

15.2. Ocena kemijske varnosti

Ne

ODDELEK 16: DRUGI PODATKI

Celotno besedilo o H-stavkih, kot je omenjeno v oddelek 3

H271, Lahko povzroči požar ali eksplozijo; močna oksidativna snov.

H302, Zdravju škodljivo pri zaužitju.

H314, Povzroča hude opekline kože in poškodbe oči.

H315, Povzroča draženje kože.

H318, Povzroča hude poškodbe oči.

H319, Povzroča hudo draženje oči.

H332, Zdravju škodljivo pri vdihavanju.

H335, Lahko povzroči draženje dihalnih poti.

H336, Lahko povzroči zaspanost ali omotico.

H412, Škodljivo za vodne organizme, z dolgotrajnimi učinki.

Okrajšave in akronimi

ADN = Evropski sporazum o mednarodnem prevozu nevarnih snovi po celinskih vodah/po Renu

ADR = Evropski sporazum o mednarodnem cestnem prevozu nevarnega blaga

ATE = ocena akutne strupenosti

BCF = biokoncentracijski faktor

CAS = Služba za izmenjavo kemijskih izvlečkov

CE = Evropska skladnost

CLP = Uredba (ES) št. 1272/2008 o razvrščanju, označevanju in pakiranju snovi ter zmesi

CSA = Ocena kemijske varnosti

CSR = Poročilo o kemijski varnosti

DNEL = Izpeljana raven brez učinka

EINECS = Evropski seznam kemičnih snovi, ki so na trgu

ES = Scenarij izpostavljenosti

EUH = CLP - specifičen stavek nevarnosti

EuPCS = Evropski sistem kategorizacije proizvodov

EWC = Evropski katalog odpadkov

GHS = Globalno usklajen sistem Združenih narodov za razvrščanje in označevanje kemikalij

GWP = Potencial globalnega segrevanja

HOS = Hlapna organska snov

IATA = Mednarodno združenje letalskih prevoznikov

IMDG = Mednarodni kodeks o prevozu nevarnega blaga po morju

LogPow = logaritem porazdelitvenega koeficienta oktanol/voda

MARPOL = Mednarodna konvencija o preprečevanju onesnaževanja morja z ladij, 1973, in njen Protokol iz leta 1978

MV = časovna povprečna

OECD = Organizacija za gospodarsko sodelovanje in razvoj

PBT = Obstoje, bioakumulativen in strupen

PNEC = predvidena koncentracija brez učinka

RID = Pravilnik o mednarodnem železniškem prevozu nevarnega blaga

RRN = Registracijska številka REACH

SCL = Posebne mejne koncentracije.

SVHC = snov, ki vzbuja veliko zaskrbljenost

STOT-RE = Specifična strupenost za ciljne organe - ponavljajoča se izpostavljenost

STOT-SE = Specifična strupenost za ciljne organe - enkratna izpostavljenost

UVCB = Pomeni snovi z neznano ali spremenljivo sestavo, kompleksne reakcijske produkte ali biološke materiale.

vPvB = zelo obstojen in zelo bioakumulativen

ZN = Združeni narodi

Dodatne informacije

Se ne uporablja.

Varnostnega lista je ovrednotil

Quality & Compliance

Drugo

Sprememba (v razmerju do zadnje bistvene spremembe (prva številka v različici SDS)) je označena z trikotnikom.

Podatki v tem varnostnega lista, veljajo samo za ta poseben izdelek (navedeno v oddelek 1) in niso nujno primerni za uporabo z drugimi kemikalijami/izdelki.

Priporočljivo je, da se izroči ta varnostnega lista dejanskemu uporabniku izdelka. Podatki v tem varnostnem listu se ne morejo uporabljati kot specifikacija izdelka.

Država-jezik: SI-sl

KARTA BEZPEČNOSTNÝCH ÚDAJOV

i.1 all-purpose cleaner FlexDose

ODDIEL 1: IDENTIFIKÁCIA LÁTKY/ZMESI A SPOLOČNOSTI/PODNIKU

1.1. Identifikátor produktu

▼ *Názov produktu:*

i.1 all-purpose cleaner FlexDose

1.2. Relevantné identifikované použitia látky alebo zmesi a použitia, ktoré sa neodporúčajú

Relevantné identifikované použitia látky alebo zmesi:

Čistiace a čistiace prostriedky (vrátane tých na báze rozpúšťadiel)
Len na odborné použitie.

Neodporúčané spôsoby použitia:

Žiadne známe.

1.3. Údaje o dodávateľovi karty bezpečnostných údajov

Spoločnosť a adresa:

Hygieniq B.V.
Lenteweg 15
7532 RV Enschede
Nederland
0534282860

E-mail:

info@hygieniq.com

Revízia:

27. 6. 2025

Verzia KBÚ:

2.0

Dátum predchádzajúceho vydania:

2. 6. 2025 (1.0)

1.4. Núdzové telefónne číslo

Použite vaše štátne +421 2 5477 4166 alebo miestne tiesňové číslo.
Pozri oddiel 4 "Opatrenia prvej pomoci".

ODDIEL 2: IDENTIFIKÁCIA NEBEZPEČNOSTI

2.1. Klasifikácia látky alebo zmesi

Nie je klasifikovaný podľa nariadenia (ES) č. 1272/2008 (CLP).

2.2. Prvky označovania

Výstražný/-é piktogram/-y:

Nerelevantné.

Výstražné slová:

Nerelevantné.

Výstražné upozornenie/-a:

Nerelevantné.

Bezpečnostné upozornenia:

Všeobecné:

-

Prevenia:

-

Odozva:

-

Uchovávanie:

-

Zneškodňovanie:

-

Identifikácia látok primárne zodpovedných za hlavné zdravotné riziká:

Neobsahuje žiadne látky, ktoré ste povinný nahlásiť

Ďalšie označovanie (etiketácia):

EUH210, Na požiadanie možno poskytnúť kartu bezpečnostných údajov.

Označovanie obsahu podľa nariadenia o detergentoch 648/2004 (platí pre obaly detergentov predávaných širokej verejnosti):

>5% - <15%

· Neionogénne povrchovo aktívne látky

< 5%

· Aniónové povrchovo aktívne látky

· Bieliace činidlá na báze kyseliny

· Parfumy

· Konzervačnej (BENZISOTHIAZOLINONE)

2.3. Iná nebezpečnosť

Ďalšie upozornenia:

Táto zmes/tento výrobok neobsahuje žiadne látky považované za také, ktoré by spĺňali kritériá na ich klasifikáciu ako PBT a/alebo vPvB.

Tento výrobok neobsahuje žiadne látky považované za endokrinné disruptory v súlade s kritériami stanovenými v delegovanom nariadení Komisie (EÚ) 2017/2100 alebo v nariadení Komisie (EÚ) 2023/707.

ODDIEL 3: ZLOŽENIE/INFORMÁCIE O ZLOŽKÁCH

3.1. Látky

Nerelevantné. Tento výrobok je zmes.

3.2. Zmesi

Výrobok/prísada	Identifikácia	% w/w	Klasifikácia	Názov komponentu
Alcohol, C13, bran., EO, sulfate Na~	Č. CAS: 150413-26-6 Č. EC: 688-316-0 REACH: Indexové č.:	1-3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 3, H412	
peroxid vodíka, roztok 35%	Č. CAS: 7722-84-1 Č. EC: 231-765-0 REACH: 01-2119485845-22-XXXX Indexové č.: 008-003-00-9	1-3%	Ox. Liq. 1, H271 Acute Tox. 4, H302 Skin Corr. 1A, H314 (SCL: 70,00 %) Skin Corr. 1B, H314 (SCL: 50,00 %) Skin Irrit. 2, H315 (SCL: 35,00 %) Eye Dam. 1, H318 (SCL: 8,00 %) Eye Irrit. 2, H319 (SCL: 5,00 %)	

			Acute Tox. 4, H332 STOT SE 3, H336 (SCL: 35,00 %)	
citroenzuurmonohydraat	Č. CAS: 5949-29-1 Č. EC: 611-842-9 REACH: 01-2119457026-42-XXXX Indexové č.:	<0.1%	Eye Irrit. 2, H319	
Disodium tin hexahydroxide	Č. CAS: 12027-70-2 Č. EC: 234-724-5 REACH: 01-2120770924-45-XXXX Indexové č.:	<0.05%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	[1]

Pozri plné znenie H-viet v oddiele 16. Limity v pracovnom prostredí sú uvedené v oddiele 8, ak sú k dispozícii.

Ďalšie informácie

[1] Európske obmedzenie pôsobenia v zamestnaní.

ODDIEL 4: OPATRENIA PRVEJ POMOCI

4.1. Opis opatrení prvej pomoci

Všeobecné informácie:

V prípade nehody: Vyhľadajte lekára alebo pohotovostnú službu - vezmite si so sebou etiketu alebo tento bezpečnostný list.

Kontaktujte lekára, ak máte pochybnosti o stave postihnutej osoby alebo ak príznaky pretrvávajú. Nikdy nedávajte osobe v bezvedomí vodu ani iné tekutiny.

Vdýchnutie:

Pri dýchacích ťažkostiach alebo podráždení dýchacích ciest: Premiestnite postihnutého na čerstvý vzduch a zostaňte pri ňom.

Styk s pokožkou:

V prípade podráždenia: produkt opláchnite. V prípade pretrvávajúceho podráždenia: Vyhľadajte lekársku pomoc.

Zasiahnutie očí:

Po zasiahnutí očí: Oči vyplachujte vodou (20 - 30 °C) minimálne po dobu 5 minút. Vyberte kontaktné šošovky. Zavolajte lekára.

Požitie:

Ak je postihnutý pri vedomí, vypláchnite mu ústa vodou a zostaňte pri ňom. Ak sa postihnutý necíti dobre, vyhľadajte ihneď lekára. Vezmite so sebou aj tento bezpečnostný list alebo etiketu produktu. Nevyvolávajte zvracanie, pokiaľ vám to neodporučí lekár. Držte hlavu smerom k zemi tak, aby žiadne zvratky nezostali vo vašich ústach alebo hrdle.

Popáleniny:

Nerelevantné.

4.2. Najdôležitejšie príznaky a účinky, akútne aj oneskorené

Žiadne známe.

4.3. Údaj o akejkoľvek potrebe okamžitej lekárskej starostlivosti a osobitného ošetrovania

Ošetrujte na základe symptómov.

Informácie pre zdravotníkov

Vezmite so sebou tento karty bezpečnostných údajov alebo etiketu materiálu.

ODDIEL 5: PROTIPOŽIARNE OPATRENIA

5.1. Hasiace prostriedky

Nerelevantné.

5.2. Osobitné ohrozenia vyplývajúce z látky alebo zo zmesi

V dôsledku požiaru vznikne hustý dym. Kontakt s katabolickými produktmi môže viesť k poškodeniu vášho zdravia. Uzavreté nádoby, ktoré sú vystavené požiaru, sa musia ochladiť vodou. Nedovoľte, aby hasiaca voda prenikla do kanalizácie a iných vodných tokov.

Ak je produkt vystavený vysokým teplotám, ako napr. v prípade požiaru, vznikajú nebezpečné katabolické látky. Ide o: Oxidy uhlíka (CO / CO₂)

5.3. Pokyny pre požiarnikov

Žiadne špecifické požiadavky

ODDIEL 6: OPATRENIA PRI NÁHODNOM UVOLNENÍ

6.1. Osobné bezpečnostné opatrenia, ochranné vybavenie a núdzové postupy

Zabezpečte primerané vetranie, hlavne v obmedzených priestoroch.
Kontaminované plochy môžu byť klzké.

6.2. Bezpečnostné opatrenia pre životné prostredie

Zabráňte vypúšťaniu do jazier, potokov, kanalizácií, atď.
Zabráňte prístupu nepovoláných osôb k úniku.

6.3. Metódy a materiál na zabránenie šíreniu a vyčistenie

Uniknutý materiál zachyťte a pozbierajte pomocou nehorľavého absorpčného materiálu, napr. piesku, zeminy, vermikulitu alebo kremeliny, a umiestnite do nádoby na likvidáciu v súlade s miestnymi predpismi.
Podľa možností čistenie vykonajte za použitia bežných čistiacich prostriedkov. Nepoužívajte rozpúšťadlá.

6.4. Odkaz na iné oddiely

Pozri oddiel 13 "Opatrenia pri zneškodňovaní" o nakladaní s odpadmi.
Pozri oddiel 8 "Kontroly expozície/osobná ochrana" o ochranných opatreniach.

ODDIEL 7: ZAOBCHÁDZANIE A SKLADOVANIE

7.1. Bezpečnostné opatrenia na bezpečné zaobchádzanie

Fajčenie, konzumácia potravín alebo tekutín a skladovanie tabaku, potravín alebo tekutín sú v pracovnej miestnosti zakázané.
Pozri oddiel "Kontroly expozície/osobná ochrana" o informáciách o osobnej ochrane.

7.2. Podmienky bezpečného skladovania vrátane akejkoľvek nekompatibility

Obaly, ktoré boli otvorené, starostlivo utesnite a uchovajte vo zvislej polohe, aby ste zabránili úniku.

Kompatibilita obalov:

Uchovávať iba v pôvodnom balení.

Podmienky skladovania:

Suché, chladné a dostatočne vetrané

Nekompatibilné materiály:

Silné kyseliny, silné zásady, silné oxidačné činidlá a silné katabolické činidlá.

7.3. Špecifické konečné použitie, resp. použitia

Tento produkt sa môže používať len v prípadoch popísaných v oddieli 1.2.

ODDIEL 8: KONTROLY EXPOZÍCIE/OSOBNÁ OCHRANA

8.1. Kontrolné parametre

peroxid vodíka, roztok 35%

Najvyššie prípustné expozičné limity (priemerný) (mg/m³): 1,4

Najvyššie prípustné expozičné limity (priemerný) (ppm): 1

Najvyššie prípustné expozičné limity (krátkodobý) (mg/m³): 2,8

Najvyššie prípustné expozičné limity (krátkodobý) (ppm): 2

NARIADENIE VLÁDY Slovenskej republiky z 10. mája 2006 o ochrane zamestnancov pred rizikami súvisiacimi s expozíciou chemickým faktorom pri práci. 355/2006 Z.z. (Zmena: 122/2024 Z.z.)

DNEL

1,2-benzizotiazol-3(2H)-ón; 1,2-benzizotiazolín-3-ón; 1,2-benzizotiazolín-3-ón

Doba:	Priebeh vystavenia:	DNEL:
Dlhodobý – systémové účinky – zamestnanci	Dermálne	966 µg/kg bw/day
Dlhodobý – systémové účinky – všeobecná populácia	Dermálne	0.345 mg/kg
Dlhodobý – systémové účinky – zamestnanci	Vdýchnutie	6.81 mg/m ³
Dlhodobý – systémové účinky – všeobecná populácia	Vdýchnutie	1.2 mg/m ³

Disodium tin hexahydroxide

Doba:	Priebeh vystavenia:	DNEL:
Dlhodobý – systémové účinky – zamestnanci	Dermálne	3.37 mg/kg bw/day
Dlhodobý – systémové účinky – všeobecná populácia	Dermálne	1.21 mg/kg bw/day
Dlhodobý – systémové účinky – všeobecná populácia	Orálne	1.21 mg/kg bw/day
Dlhodobý – systémové účinky – zamestnanci	Vdýchnutie	11.9 mg/m ³
Dlhodobý – systémové účinky – všeobecná populácia	Vdýchnutie	1.78 mg/m ³

peroxid vodíka, roztok 35%

Doba:	Priebeh vystavenia:	DNEL:
Dlhodobý – lokálne účinky – pracovníci	Vdýchnutie	1.4 mg/m ³
Dlhodobý – lokálne účinky – všeobecná populácia	Vdýchnutie	0.21 mg/m ³
Dlhodobý – lokálne účinky – všeobecná populácia	Vdýchnutie	210 µg/m ³
Krátkodobý – lokálne účinky – pracovníci	Vdýchnutie	3 mg/m ³
Krátkodobý – lokálne účinky – všeobecná populácia	Vdýchnutie	1.93 mg/m ³

PNEC

1,2-benzizotiazol-3(2H)-ón; 1,2-benzizotiazolín-3-ón; 1,2-benzizotiazolín-3-ón

Priebeh vystavenia:	Trvanie expozície:	PNEC:
Čistiareň splaškov		1.03 mg/L
Morská voda		403 ng/L
Občasné uvoľňovanie (morská voda)		110 ng/L
Občasné uvoľňovanie (sladká voda)		1.1 µg/L
Pôda		3 mg/kg
Sladká voda		4.03 µg/L
Sladkovodná usadenina		49.9 µg/kg
Usadenina v morskej vode		4.99 µg/kg

Disodium tin hexahydroxide

Priebeh vystavenia:	Trvanie expozície:	PNEC:
Čistiareň splaškov		10 mg/L
Morská voda		3.31 µg/L
Občasné uvoľňovanie (morská voda)		33.1 µg/L
Občasné uvoľňovanie (sladká voda)		331 µg/L
Sladká voda		33.1 µg/L
Sladkovodná usadenina		1.395 mg/kg

Usadenina v morskej vode		139.46 µg/kg

peroxid vodíka, roztok 35%

Priebeh vystavenia:	Trvanie expozície:	PNEC:
Čistiareň splaškov		4.66 mg/L
Čistiareň splaškov		4.66 mg/L
Morská voda		0,047 mg/L
Morská voda		12.6 µg/L
Občasné uvoľňovanie (sladká voda)		13.8 µg/L
Pôda		0,023 mg/kg
Pôda		2.3 µg/kg
Sladká voda		0,0126 mg/L
Sladká voda		12.6 µg/L
Sladkovodná usadenina		0,047 mg/kg
Sladkovodná usadenina		47 µg/kg
Usadenina v morskej vode		0,047 mg/L
Usadenina v morskej vode		47 µg/kg

8.2. Kontroly expozície

Zhoda s uvedenými hodnotami expozičných limitov by sa mala pravidelne kontrolovať.

Všeobecné odporúčania:

Fajčenie, konzumácia potravín alebo tekutín a skladovanie tabaku, potravín alebo tekutín sú v pracovnej miestnosti zakázané.

Scenáre vystavenia:

Pre tento produkt neboli implementované žiadne expozičné scenáre.

Expozičné limity:

Pre obchodníkov platia právne predpisy týkajúce sa pracovného prostredia o maximálnych koncentráciách pri vystavení. Pozrite si vyššie uvedené prahové hodnoty pracovnej hygieny.

Vhodné technické opatrenia:

Tvorba pár sa musí udržiavať na minimálnej úrovni a pod aktuálnymi limitnými hodnotami (pozri vyššie). Ak normálne prúdenie vzduchu v pracovnej miestnosti nie je dostatočné, odporúča sa inštalácia lokálneho odsávacieho systému. Zabezpečte, aby boli núdzové fontánky na umývanie očí a sprchy jasne označené. Počas používania výrobku dodržiavajte štandardné bezpečnostné opatrenia. Zabráňte vdýchnutiu pár.

Hygienické opatrenia:

Kedykoľvek si urobíte počas používania produktu prestávku, resp. ak ste ho prestali používať, musíte si umyť všetky vystavené časti tela. Osobitnú pozornosť venujte rukám, predlaktiam a tvári.

Opatrenia na zamedzenie vystavenia životného prostredia:

Žiadne špecifické požiadavky

Individuálne ochranné opatrenia, akými sú napr. osobné ochranné prostriedky

Všeobecne:

Používajte len ochranné vybavenie označené značkou CE.

Dýchacie zariadenia:

Typ	Trieda	Farba	Normy	
Žiadne špeciálne požiadavky, ak sa používa podľa určenia.				

Ochrana kože:

Odporúčané	Typ/Kategória	Normy	
Žiadne špeciálne	-	-	

Odporúčané	Typ/Kategórie	Normy	
požiadavky, ak sa používa podľa určenia			

Ochrana rúk:

Pracovné pomery	Materiál	Hrúbka (mm)	Doba prieniku (min.)	Normy	
	Žiadne špeciálne požiadavky, ak sa používa podľa určenia	-	-	-	
V prípade dlhej expozície alebo vysokých koncentrácií	Bavlny / Prírodný kaučuk (latex)	-	> 120	EN374-2, EN16523-1, EN388	

Ochrana očí:

Pracovné pomery	Odporúčané	Normy	
	Žiadne špeciálne požiadavky, ak sa používa podľa určenia.	-	
V prípade dlhej expozície alebo vysokých koncentrácií	Používajte ochranné okuliare s postrannými štítmí.	EN166	

ODDIEL 9: FYZIKÁLNE A CHEMICKÉ VLASTNOSTI

9.1. Informácie o základných fyzikálnych a chemických vlastnostiach

Forma:

Kvapalina

Farba:

Bezfarebná

Zápach / Prahová hodnota zápachu (ppm):

Parfumový

pH:

ca. 4.8

Hustota (g/cm³):

1,02 (20 °C)

Kinematická viskozita:

K dispozícii nie sú žiadne údaje.

Vlastnosti častíc:

Neuplatňuje sa na kvapaliny.

Fázové zmeny

Teplota topenia/tuhnutia (°C):

K dispozícii nie sú žiadne údaje.

Teplota/rozmedzie mäknutia (°C):

Neuplatňuje sa na kvapaliny.

Bod varu (°C):

K dispozícii nie sú žiadne údaje.

Tlak pary:

K dispozícii nie sú žiadne údaje.

Relatívna hustota pár:

K dispozícii nie sú žiadne údaje.

Teplota rozkladu (°C):

K dispozícii nie sú žiadne údaje.

Údaje o nebezpečenstve požiaru a výbuchu

Bod vzplanutia (°C):

K dispozícii nie sú žiadne údaje.

Horľavosť (°C):

K dispozícii nie sú žiadne údaje.

Teplota samovznietenia (°C):

K dispozícii nie sú žiadne údaje.

Medze výbušnosti (% v/v):

K dispozícii nie sú žiadne údaje.

Rozpustnosť

Rozpustnosť vo vode:

Úplne rozpustný

Rozdeľovací koeficient (n-oktanol/voda) (LogKow):

K dispozícii nie sú žiadne údaje.

Rozpustnosť v tuku (g/L):

K dispozícii nie sú žiadne údaje.

9.2. Iné informácie

D'alšie fyzikálne a chemické parametre:

K dispozícii nie sú žiadne údaje.

Oxidačné vlastnosti:

K dispozícii nie sú žiadne údaje.

ODDIEL 10: STABILITA A REAKTIVITA

10.1. Reaktivita

K dispozícii nie sú žiadne údaje.

10.2. Chemická stabilita

Produkt je stabilný za podmienok uvedených v oddieli "Zaobchádzanie a skladovanie".

10.3. Možnosť nebezpečných reakcií

Žiadne známe.

10.4. Podmienky, ktorým sa treba vyhnúť

Žiadne známe.

10.5. Nekompatibilné materiály

Silné kyseliny, silné zásady, silné oxidačné činidlá a silné katabolické činidlá.

10.6. Nebezpečné produkty rozkladu

Za normálnych podmienok skladovania a používania by nemali vznikať nebezpečné produkty rozkladu.

ODDIEL 11: TOXIKOLOGICKÉ INFORMÁCIE

11.1. Informácie o triedach nebezpečnosti vymedzených v nariadení (ES) č. 1272/2008

Akútna toxicita

Výrobok/prísada	peroxid vodíka, roztok 35%
Testované živočíchy:	Potkan
Priebeh vystavenia:	Orálne
Skúška:	LD50
Výsledok:	1.193 - 1.270 mg/L

Výrobok/prísada	peroxid vodíka, roztok 35%
Testované živočíchy:	Králik
Priebeh vystavenia:	Dermálne
Skúška:	LD50
Výsledok:	>2.000 (35% oplossing) mg/kg

Výrobok/prísada	1,2-benzizotiazol-3(2H)-ón; 1,2-benzizotiazolín-3-ón;1,2-benzizotiazolín-3-ón
Testované živočíchy:	Potkan
Priebeh vystavenia:	Orálne
Skúška:	LD50
Výsledok:	500 mg/kg

Na základe dostupných údajov nie sú kritériá klasifikácie splnené.

Poleptanie/podráždenie kože

Výrobok/prísada	peroxid vodíka, roztok 35%
Výsledok:	Pozorované nepriaznivé účinky (Dráždivý)

Výrobok/prísada	1,2-benzizotiazol-3(2H)-ón; 1,2-benzizotiazolín-3-ón;1,2-benzizotiazolín-3-ón
Testovacia metóda:	OECD 404
Výsledok:	Pozorované nepriaznivé účinky (Dráždivý)

Na základe dostupných údajov nie sú kritériá klasifikácie splnené.

Vážne poškodenie/podráždenie očí

Výrobok/prísada	peroxid vodíka, roztok 35%
Výsledok:	Pozorované nepriaznivé účinky (Spôsobuje vážne poškodenie očí)

Výrobok/prísada	1,2-benzizotiazol-3(2H)-ón; 1,2-benzizotiazolín-3-ón;1,2-benzizotiazolín-3-ón
Testovacia metóda:	OECD 405
Výsledok:	Pozorované nepriaznivé účinky (Spôsobuje vážne poškodenie očí)

Na základe dostupných údajov nie sú kritériá klasifikácie splnené.

Respiračná senzibilizácia

Výrobok/prísada	peroxid vodíka, roztok 35%
Výsledok:	Nepozorované žiadne nepriaznivé účinky (nesenzibilizujúci)

Na základe dostupných údajov nie sú kritériá klasifikácie splnené.

Kožná senzibilizácia

Výrobok/prísada	1,2-benzizotiazol-3(2H)-ón; 1,2-benzizotiazolín-3-ón;1,2-benzizotiazolín-3-ón
Testovacia metóda:	OECD 429
Testované živočíchy:	Myš
Výsledok:	Pozorované nepriaznivé účinky (senzibilizujúci)

Výrobok/prísada	1,2-benzizotiazol-3(2H)-ón; 1,2-benzizotiazolín-3-ón;1,2-benzizotiazolín-3-ón
Testovacia metóda:	OECD 406
Testované živočíchy:	Morča
Výsledok:	Pozorované nepriaznivé účinky (senzibilizujúci)

Na základe dostupných údajov nie sú kritériá klasifikácie splnené.

Mutagenita zárodočných buniek

Na základe dostupných údajov nie sú kritériá klasifikácie splnené.

Karcinogenita

Výrobok/prísada	peroxid vodíka, roztok 35%
Záver:	Nepozorované žiadne nepriaznivé účinky

Na základe dostupných údajov nie sú kritériá klasifikácie splnené.

Reprodukčná toxicita

Výrobok/prísada	peroxid vodíka, roztok 35%
Záver:	Nepozorované žiadne nepriaznivé účinky

Na základe dostupných údajov nie sú kritériá klasifikácie splnené.

TSCO (Toxicita pre špecifický cieľový orgán) - jednorazové vystavenie

Na základe dostupných údajov nie sú kritériá klasifikácie splnené.

TSCO (Toxicita pre špecifický cieľový orgán) - opakované vystavenie

Na základe dostupných údajov nie sú kritériá klasifikácie splnené.

Nebezpečenstvo pri vdýchnutí

Výrobok/prísada peroxid vodíka, roztok 35%

Na základe dostupných údajov nie sú kritériá klasifikácie splnené.

11.2. Informácie o inej nebezpečnosti

Dlhodobé účinky

Žiadne známe.

Vlastnosti endokrinných disruptorov (rozvracačov)

Táto zmes/výrobok neobsahuje žiadne látky, ktoré sa považujú za látky narúšajúce hormonálny systém vo vzťahu k zdraviu.

Iné informácie

peroxid vodíka, roztok 35%: Látka bola klasifikovaná podľa IARC ako skupina 3.

ODDIEL 12: EKOLOGICKÉ INFORMÁCIE

12.1. Toxicita

Výrobok/prísada	peroxid vodíka, roztok 35%
Testované živočíchy:	Ryby, Pimephales promelas
Doba:	96 hodín
Skúška:	LC50
Výsledok:	16,4 mg/L

Výrobok/prísada	peroxid vodíka, roztok 35%
Testované živočíchy:	Ryby, Leuciscus idus
Doba:	72 hodín
Skúška:	LC50
Výsledok:	35 mg/L

Výrobok/prísada	peroxid vodíka, roztok 35%
Testované živočíchy:	Ryby, Oncorhynchus mykiss
Doba:	7 dní
Skúška:	LC50
Výsledok:	38,5 mg/L

Výrobok/prísada	peroxid vodíka, roztok 35%
Testované živočíchy:	Daphnia pulex
Doba:	48 hodín
Skúška:	EC50
Výsledok:	2,4 mg/L

Výrobok/prísada	peroxid vodíka, roztok 35%
Testované živočíchy:	Daphnia magna
Doba:	24 hodín
Skúška:	EC50
Výsledok:	7,7 mg/L

Výrobok/prísada	peroxid vodíka, roztok 35%
Testované živočíchy:	Skeletonema costatum
Doba:	72 hodín
Skúška:	EC50
Výsledok:	1,38 mg/L

Výrobok/prísada	peroxid vodíka, roztok 35%
Testovacia metóda:	OECD 209

Testované živočíchy:	Baktérie
Zložka životného prostredia :	Zariadenie na úpravu aktivovaných kalov
Doba:	30 minutes
Skúška:	EC50
Výsledok:	466 mg/L

Výrobok/prísada	peroxid vodíka, roztok 35%
Testovacia metóda:	OECD 209
Testované živočíchy:	Baktérie
Zložka životného prostredia :	Zariadenie na úpravu aktivovaných kalov
Doba:	3 hodín
Skúška:	EC50
Výsledok:	> 1.000 mg/L

Výrobok/prísada	1,2-benzizotiazol-3(2H)-ón; 1,2-benzizotiazolín-3-ón;1,2-benzizotiazolín-3-ón
Testované živočíchy:	Ryby
Doba:	96 hodín
Skúška:	LC50
Výsledok:	>0.1-1 mg/L

Výrobok/prísada	1,2-benzizotiazol-3(2H)-ón; 1,2-benzizotiazolín-3-ón;1,2-benzizotiazolín-3-ón
Testované živočíchy:	Kôrovce
Doba:	48 hodín
Skúška:	EC50
Výsledok:	>0.1-1 mg/L

Výrobok/prísada	1,2-benzizotiazol-3(2H)-ón; 1,2-benzizotiazolín-3-ón;1,2-benzizotiazolín-3-ón
Testované živočíchy:	Riasy
Doba:	72 hodín
Skúška:	EC50
Výsledok:	>0.1-1 mg/L

Na základe dostupných údajov nie sú kritériá klasifikácie splnené.

12.2. Perzistencia a degradovateľnosť

Výrobok/prísada	Alcohol, C13, bran., EO, sulfáte Na~
Výsledok:	> 60 %
Záver:	Ľahká biodegradovateľnosť
Skúška:	OECD 301 B

Výrobok/prísada	peroxid vodíka, roztok 35%
Záver:	Ľahká biodegradovateľnosť

Výrobok/prísada	1,2-benzizotiazol-3(2H)-ón; 1,2-benzizotiazolín-3-ón;1,2-benzizotiazolín-3-ón
Výsledok:	90%
Záver:	Ľahká biodegradovateľnosť
Skúška:	OECD 302

Povrchovo aktívna(e) látka(y) obsiahnutá(é) v tomto prípravku je (sú) v súlade s kritériami biodegradability pod I a Smernice (EÚ) No.648/2004. Údaje potvrdzujúce toto prehlásenie sú k dispozícii kompetentným inštitúciám členských štátov Únie na ich priamu žiadosť, alebo na žiadosť výrobcu detergentu

12.3. Bioakumulačný potenciál

Výrobok/prísada	peroxid vodíka, roztok 35%
LogKow:	-1,57
Záver:	-

Výrobok/prísada	1,2-benzizotiazol-3(2H)-ón; 1,2-benzizotiazolín-3-ón;1,2-benzizotiazolín-3-ón
BCF:	2
LogKow:	1.45

Záver: Potenciál bioakumulácie je nízky

12.4. Mobilita v pôde

K dispozícii nie sú žiadne údaje.

12.5. Výsledky posúdenia PBT a vPvB

Táto zmes/tento výrobok neobsahuje žiadne látky považované za také, ktoré by spĺňali kritériá na ich klasifikáciu ako PBT a/alebo vPvB.

12.6. Vlastnosti endokrinných disruptorov (rozvracačov)

Táto zmes/výrobok neobsahuje žiadne látky, ktoré sa považujú za látky narúšajúce endokrinný systém vo vzťahu k životnému prostrediu.

12.7. Iné nepriaznivé účinky

Žiadne známe.

ODDIEL 13: OPATRENIA PRI ZNEŠKODŇOVANÍ

13.1. Metódy spracovania odpadu

Na tento produkt sa vzťahujú predpisy o nebezpečných odpadoch. (*)

HP 4 - Dráždivý (spôsobujúci podráždenie kože a poškodenie oka)

Nariadenie Komisie (EÚ) č. 1357/2014 z 18. decembra 2014 o odpade.

Kód EWC:

20 01 30

Iné detergenty než uvedené v 20 01 29

Balenie kontaminovaného materiálu

Balenie, ktoré obsahuje zvyšky produktu, sa musí zlikvidovať rovnakým spôsobom ako produkt.

ODDIEL 14: INFORMÁCIE O DOPRAVE

	14.1 OSN	14.2 Správne expedičné označenie OSN	14.3 Trieda, resp. triedy nebezpečnosti pre dopravu	14.4 PG*	14.5. Env**	Ďalšie informácie:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Obalová skupina

** Nebezpečnosť pre životné prostredie

Ďalšie informácie

Nie je uvedený ako nebezpečný tovar podľa predpisov ADR, IATA a IMDG.

14.6. Osobitné bezpečnostné opatrenia pre užívateľa

Nerelevantné.

14.7. Náморná preprava hromadného nákladu podľa nástrojov IMO

K dispozícii nie sú žiadne údaje.

ODDIEL 15: REGULAČNÉ INFORMÁCIE

15.1. Nariadenia/právne predpisy špecifické pre látku alebo zmes v oblasti bezpečnosti, zdravia a životného prostredia

Obmedzenia použitia:

Len na odborné použitie.

Požiadavky na špecifické vzdelávanie:

Žiadne špecifické požiadavky

SEVESO - Kategórie nebezpečných látok / Menované nebezpečné látky:
Nerelevantné.

Nariadenie o prekursorov výbušnín:
peroxid vodíka, roztok 35% (Príloha I)

Označovanie obsahu podľa nariadenia o detergentoch 648/2004:

- >5% - <15%
- Neionogénne povrchovo aktívne látky
- < 5%
- Aniónové povrchovo aktívne látky
- Bieliace činidlá na báze kyseliny
- Parfumy
- Konzervačnej (BENZISOTHIAZOLINONE)

Ďalšie informácie:

Povrchovo aktívna(e) látka(y) obsiahnutá(é) v tomto prípravku je (sú) v súlade s kritériami biodegradability podľa Smernice (EÚ) No.648/2004. Údaje potvrdzujúce toto prehlásenie sú k dispozícii kompetentným inštitúciám členských štátov Únie na ich priamu žiadosť, alebo na žiadosť výrobcu detergentu

Zdroje:

Nariadenie Európskeho parlamentu a Rady (ES) č. 648/2004 z 31. marca 2004 o detergentoch.
Nariadenie Komisie (EÚ) č. 1357/2014 z 18. decembra 2014 o odpade.
Nariadenie (EÚ) 2019/1148 o prekursorov výbušnín.
Nariadenie Európskeho parlamentu a Rady (ES) č. 1272/2008 z 16. decembra 2008 o klasifikácii, označovaní a balení látok a zmesí (CLP).
Nariadenie Európskeho parlamentu a Rady (ES) č. 1907/2006 z 18. decembra 2006 o registrácii, hodnotení, autorizácii a obmedzovaní chemických látok (REACH).

15.2. Hodnotenie chemickej bezpečnosti

Nie

ODDIEL 16: INÉ INFORMÁCIE

Plné znenia H-viet, ako sú uvedené v oddieli 3

H271, Môže spôsobiť požiar alebo výbuch; silné oxidačné činidlo.
H302, Škodlivý po požití.
H314, Spôsobuje vážne poleptanie kože a poškodenie očí.
H315, Dráždi kožu.
H318, Spôsobuje vážne poškodenie očí.
H319, Spôsobuje vážne podráždenie očí.
H332, Škodlivý pri vdýchnutí.
H335, Môže spôsobiť podráždenie dýchacích ciest.
H336, Môže spôsobiť ospalosť alebo závraty.
H412, Škodlivý pre vodné organizmy, s dlhodobými účinkami.

Skratky a akronymy

ADN = Európske opatrenia o medzinárodnej vnútrozemskej vodnej preprave nebezpečných vecí
ADR = Európska dohoda o medzinárodnej cestnej preprave nebezpečných vecí
ATE = Odhad akútnej toxicity
BCF = Biokoncentračný faktor
CAS = Služba chemických konspektov
CE = Európska zhoda
CLP = klasifikácia, označenie a balenie nariadenie (ES) 1272/2008
CSA = Hodnotenie chemickej bezpečnosti
CSR = Správa o chemickej bezpečnosti
DNEL = Odvodená hladina, pri ktorej nedochádza k žiadnemu účinku
EINECS = Európsky zoznam existujúcich komerčných chemických látok ES = Scenáre expozície
EUH vyhlásenie = CLP-špecifické vyhlásenie o nebezpečnosti
EuPCS = Európsky systém kategorizácie výrobkov
EWC = Európsky katalóg odpadov
GHS = Globálny harmonizovaný systém klasifikácie a označovania

GWP = Potenciál globálneho otepľovania
IATA = Medzinárodná asociácia leteckej prepravy
IBC = Stredne veľká nádoba na voľne ložené látky
IMDG = Medzinárodný námorný zákon o nebezpečných veciach
LogPow = logaritmus koeficientu pomeru oktanol / voda
MARPOL = Medzinárodný dohovor na prevenciu znečistenia z lodí, 1973, modifikovaný protokolom z roku 1978.
("Marpol" = námorné znečistenie)
OECD = Organizácia pre hospodársku spoluprácu a rozvoj
PBT = Perzistentný, bioakumulovateľný a toxický
PNEC = Predpokladaná koncentrácia, pri ktorej nedochádza k žiadnemu účinku
OSN = Organizácia Spojených Národov
RID = Poriadok pre medzinárodnú železničnú prepravu nebezpečného tovaru
RRN = Registračné číslo REACH
SCL = špecifický koncentračný limit.
SVHC = Látky vzbudzujúce veľmi veľké obavy
STOT - RE = Toxicita pre špecifický cieľový orgán - opakovaná expozícia
STOT-SE = Toxicita pre špecifický cieľový orgán - jednorázová expozícia
TWA = časom vážená priemerná
UVCB = Znamenajú látky neznámeho alebo variabilného zloženia, produkty komplexných reakcií alebo biologické materiály.
VOC = Prchavé organické látky
vPvB = Veľmi perzistentný a veľmi akumulovateľný

Ďalšie informácie

Nerelevantné.

Táto karta bezpečnostných údajov bola potvrdená

Quality & Compliance

Iné

Zmena (v pomere k poslednej zásadnej zmene (prvá šifra vo verzii karty bezpečnostných údajov)) je označená trojuholníkom.

Informácie uvedené v tomto karte bezpečnostných údajov platia iba pre tento konkrétny produkt (uvedené v oddiel 1), a nemusia byť preto správne pri použití tohto produktu s inými chemickými látkami/produktmi.

Odporúča sa odovzdať tento karte bezpečnostných údajov skutočnému užívateľovi produktu. Informácie v tomto bezpečnostnom liste sa nemôžu použiť ako špecifikácia produktu.

Krajina-jazyk: SK-sk

MALZEME GÜVENLİK BİLGİ FORMU

i.1 all-purpose cleaner FlexDose

BÖLÜM 1: MADDE/KARISIM VE ŞİRKET/YÜKLENİCİNİN TANIMLANMASI

1.1. Madde /Karışımın kimliği

▼ Ticari adı:

i.1 all-purpose cleaner FlexDose

1.2. Madde veya karışımın belirlenmiş kullanımları ve tavsiye edilmeyen kullanımları

Madde veya karışımın ilgili belirlenmiş kullanımları:

Deterjanlar ve temizlik maddeleri (solvent bazlı olanlar dahil)
Sadece profesyonel kullanıcılar içindir.

Kullanılması önerilmez:

Hiçbiri bilinmiyor.

1.3. Güvenlik bilgi formu tedarikçisinin bilgileri

Şirket ve adres:

Hygeniq B.V.
Postbus 618
7500 AP Enschede
The Netherlands
+31 53 4282860
+31 53 5393865
www.hygeniq.com

E-posta:

info@hygeniq.com

SDS tarihi:

27.06.2025

SDS Versiyonu:

2.0

Önceki Yayın Tarihi:

2.06.2025 (1.0)

1.4. Acil durum telefon numarası

114

Ulusal veya yerel acil durum numarasını kullanın
Bkz bölüm 4 "İlk yardım önlemleri".

BÖLÜM 2: TEHLİKE TANIMLARI

2.1. Madde ve karışımın sınıflandırılması

Sınıflandırması, Etiketlenmesi ve Ambalajlanması (SEA) 11 Aralık 2013 Direktifi ve sayılı Resmi Gazete'de 28 848 yayımlanan göre Sınıflandırılmamış.

2.2. Etiket Unsurları

Tehlike belirten resimli yazı(lar):

Uygulanamaz.

uyarı ifadesi:

Uygulanamaz.

Tehlike beyan(lar)ı:

Uygulanamaz.

Güvenlik beyan(lar)ı:

Genel:

-

Önleyici:

-

Yanıt:

-

Depolama:

-

Atık:

-

Büyük sağlık tehditlerinden birincil olarak sorumlu maddelerin kimliği:

Rapor etme zorunluluğu bulunan hiç bir madde içermez

Ek Etiketleme:

EUH210, Talep halinde güvenlik bilgi formu sağlanabilir.

DETERJANLAR HAKKINDA YÖNETMELİK göre içeriğin etiketlenmesi (genel halka satılan deterjanların ambalajlanması için geçerlidir):

>5% - <15%

· İyonik olmayan sürfaktanlar

< 5%

· Anyonik sürfaktanlar

· Oksijen bazlı beyazlatıcı maddeler

· Parfümler

· Koruyucu (BENZISOTHIAZOLINONE)

2.3. Diğer zararlar

Ek uyarılar:

Bu karışım/ürün, PBT ve/veya vPvB sınıfı kapsamında değerlendirilen herhangi bir ürün içermez.

Bu ürün, Komisyon Delegasyonu Yönetmeliği (AB) 2017/2100 veya Komisyon Yönetmeliği (AB) 2023/707'te belirtilen kriterlere uygun olarak endokrin bozucu olarak kabul edilen herhangi bir madde içermez.

BÖLÜM 3: BİLESİMİ/İÇİNDEKİLER HAKKINDA BİLGİ

3.1. Maddeler

Uygulanamaz. Bu ürün bir karışımdır.

3.2. Karışımlar

Ürün/içerik	Tanımlayıcılar	% w/w	Sınıflandırma	Notlar
Alcohol, C13, bran., EO, sulfate Na~	CAS No.: 150413-26-6 EC No.: 688-316-0 REACH: Liste No.:	1-3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 3, H412	
hydrogen peroxide	CAS No.: 7722-84-1 EC No.: 231-765-0 REACH: 01-2119485845-22-XXXX Liste No.: 008-003-00-9	1-3%	Ox. Liq. 1, H271 Acute Tox. 4, H302 Skin Corr. 1A, H314 (SCL: 70,00 %) Skin Corr. 1B, H314 (SCL: 50,00 %) Skin Irrit. 2, H315 (SCL: 35,00 %) Eye Dam. 1, H318 (SCL: 8,00 %) Eye Irrit. 2, H319 (SCL: 5,00 %)	

			Acute Tox. 4, H332 STOT SE 3, H336 (SCL: 35,00 %)	
citroenzuurmonohydraat	CAS No.: 5949-29-1 EC No.: 611-842-9 REACH: 01-2119457026-42-XXXX Liste No.:	<0.1%	Eye Irrit. 2, H319	
Disodium tin hexahydroxide	CAS No.: 12027-70-2 EC No.: 234-724-5 REACH: 01-2120770924-45-XXXX Liste No.:	<0.05%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	[1]

Bölüm 16'daki H terimlerinin tam metnine bakın. Mevcut ise mesleki sınırlar bölüm 8'de listelenmiştir.

Diger bilgiler

[1] Avrupa maruz kalma limiti.

BÖLÜM 4: İLK YARDIM ÖNLEMLERİ

4.1. İlk yardım önlemlerinin açıklaması

Genel bilgiler:

Kaza durumunda: Doktor veya acil servise başvurun, etiketi veya bu güvenlik veri sayfasını yanınıza alın.

Yaralanan kişinin durumundan emin değilseniz veya belirtiler devam ediyorsa doktora başvurun. Bilinç kaybına uğramış bir kişiye su veya benzeri şeyler vermeyin.

Solunum:

Solunum güçlüğü veya solunum yollarının tahrişi üzerine: Kişiyi temiz havaya çıkarın ve yalnız bırakmayın.

Cilt ile temas:

Tahriş durumunda: ürünü yıkayınız. Tahrişin devam etmesi durumunda: Doktora başvurunuz.

Göz ile temas:

Gözle teması halinde: Gözlerinizi en az 5 dakika boyunca suyla (20-30 °C) yıkayın. Kontakt lenslerinizi çıkarın. Doktor çağırın

Yutma:

Kişinin bilinci yerindeyse ağzını suyla çalkalayın ve yanında kalın. Eğer kişi kendini iyi hissetmiyorsa doktora başvurun ve bu güvenlik veri sayfasını veya ürün etiketini yanınıza alın. Doktor tarafından tavsiye edilmediği takdirde kusturmaya çalışmayın. Kusmuğun ağız ve geniz bölgesine gitmemesi için yüzünü yere dönük tutun.

Yanıklar:

Uygulanamaz.

4.2. Akut ve sonradan görülen önemli belirtiler ve etkiler

Hiçbiri bilinmiyor.

4.3. Tıbbi müdahale ve özel tedavi gereği için ilk işaretler

Semptomatik olarak tedavi edin.

Doktorlar için bilgiler

Bu güvenlik belgesini veya malzemenin etiketini yanınıza alın.

BÖLÜM 5: YANGIN ÖNLEMLERİ

5.1. Yangın söndürücüler

Uygulanamaz.

5.2. Madde veya karışımdan kaynaklanan özel zararlar

Yangın yoğun bir duman oluşturacaktır. Katabolik ürünlere maruz kalmak sağlığınız için zararlı olabilir. Yangına maruz

kalan kapalı konteynerler su ile soğutulmalıdır. Yangın söndürme suyunun kanalizasyona veya benzeri su kanallarına akmasını engelleyin.

Eğer ürün bir yangın durumunda olduğu gibi yüksek sıcaklıklara maruz kalırsa, tehlikeli katabolik maddeler yayılır.

Bunlar:

Karbon oksitler (CO / CO₂)

5.3. Yangın söndürme ekipleri için tavsiyeler

Belirli gereksinimler yoktur.

BÖLÜM 6: KAZARA SALINIMA KARSI ÖNLEMLER

6.1. Kişisel önlemler, koruyucu donanım ve acil durum prosedürleri

Kirli alanlar kaygan olabilir.

6.2. Çevresel önlemler

Göl, akarsu, kanalizasyon vb.'ne akması engellenmelidir.

Yetkisiz kişileri döküntüden uzak tutun

6.3. Muhafaza etme ve temizleme için yöntemler ve materyaller

Dökülen maddeyi, kum, toprak, vermikülit, diatomlu toprak gibi yanmayan emici maddelerle etrafını çevirip toplayın ve yerel mevzuata uygun olarak atmak üzere bir konteynere yerleştirin.

Temizlik mümkün olduğunca normal temizlik malzemeleri ile yapılmalıdır. Çözücülerden kaçınılmalıdır.

6.4. Diğer bölümlere atıflar

Atıklarla ilgili olarak 13 " Atıkların atılması ile ilgili hususlar" bölümüne göz atın.

Koruyucu önlemler için 8 "Maruz kalma kontrolleri/kişisel koruma" bölümüne bakın.

BÖLÜM 7: TASIMA VE DEPOLAMA

7.1. Güvenli elleçleme için önlemler

Çalışma alanları içerisinde sigara içilmesi, yiyecek veya içecek tüketimi, tütün, yiyecek veya içeceklerin depolanmasına izin verilmez.

Kişisel koruma için "Maruz kalma kontrolleri/kişisel koruma" bölümüne bakın.

7.2. Uyuşmazlıkları da içeren güvenli depolama için koşullar

Açılan konteynerler dikkatlice yeniden mühürlenmeli ve sızıntıyı engellemek için dik konumda tutulmalıdır.

Ambalaj uygunlukları:

Sadece orijinal paketi içerisinde tutun.

Depolama koşulları:

Kuru, serin ve iyi havalandırılmış

Kaçınılması gereken maddeler:

Güçlü asitler, güçlü bazlar, güçlü paslandırıcı maddeler ve güçlü katabolik maddeler.

7.3. Belirli son kullanımlar

Bu ürün sadece bölüm 1.2'de belirtilen uygulamalar için kullanılmalıdır.

BÖLÜM 8: MARUZ KALMA KONTROLLERİ/KİSİSEL KORUMA

8.1. Kontrol parametreleri

Ürün, çalışma alanı maruz kalma limitli madde olarak Türkiye listesinde bulunan maddeler içermez.

DNEL

1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one

Süresi:	Maruz kalma şekli:	DNEL:
Uzun Vade - Sistemik Etkiler - Çalışanlar	Cilt yolu	966 µg/kg/gün
Uzun Vade - sistemik etkiler - genel nüfus	Cilt yolu	0.345 mg/kg
Uzun Vade - Sistemik Etkiler - Çalışanlar	Solunum yolu	6.81 mg/m ³

Uzun Vade - sistemik etkiler - genel nüfus	Solunum yolu	1.2 mg/m ³

Disodium tin hexahydroxide

Süresi:	Maruz kalma şekli:	DNEL:
Uzun Vade - sistemik etkiler - genel nüfus	Ağız yolu	1.21 mg/kg/gün
Uzun Vade - Sistemik Etkiler - Çalışanlar	Cilt yolu	3.37 mg/kg/gün
Uzun Vade - sistemik etkiler - genel nüfus	Cilt yolu	1.21 mg/kg/gün
Uzun Vade - Sistemik Etkiler - Çalışanlar	Solunum yolu	11.9 mg/m ³
Uzun Vade - sistemik etkiler - genel nüfus	Solunum yolu	1.78 mg/m ³

hydrogen peroxide

Süresi:	Maruz kalma şekli:	DNEL:
Kısa Vade - Lokal etkiler - Çalışanlar	Solunum yolu	3 mg/m ³
Kısa vade - lokal etkiler - Genel nüfus	Solunum yolu	1.93 mg/m ³
Uzun Vade - Lokal Etkiler - Çalışanlar	Solunum yolu	1.4 mg/m ³
Uzun vade - lokal etkiler - Genel nüfus	Solunum yolu	0,21 mg/m ³
Uzun vade - lokal etkiler - Genel nüfus	Solunum yolu	210 µg/m ³

PNEC

1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one

Maruz kalma şekli:	Maruz Kalma Süresi:	PNEC:
Aralıklı serbest bırakma (deniz suyu)		110 ng/L
Aralıklı serbest bırakma (temiz su)		1.1 µg/L
Atık su Arıtma Tesisi		1.03 mg/L
Deniz suyu		403 ng/L
deniz suyu tortusu		4.99 µg/kg
Temiz su		4.03 µg/L
Temiz su tortusu		49.9 µg/kg
toprak		3 mg/kg

Disodium tin hexahydroxide

Maruz kalma şekli:	Maruz Kalma Süresi:	PNEC:
Aralıklı serbest bırakma (deniz suyu)		33.1 µg/L
Aralıklı serbest bırakma (temiz su)		331 µg/L
Atık su Arıtma Tesisi		10 mg/L
Deniz suyu		3.31 µg/L
deniz suyu tortusu		139.46 µg/kg
Temiz su		33.1 µg/L
Temiz su tortusu		1.395 mg/kg

hydrogen peroxide

Maruz kalma şekli:	Maruz Kalma Süresi:	PNEC:
Aralıklı serbest bırakma (temiz su)		13.8 µg/L
Atık su Arıtma Tesisi		4.66 mg/L
Atık su Arıtma Tesisi		4.66 mg/L
Deniz suyu		0,047 mg/L
Deniz suyu		12.6 µg/L

deniz suyu tortusu		0,047 mg/L
deniz suyu tortusu		47 µg/kg
Temiz su		0,0126 mg/L
Temiz su		12.6 µg/L
Temiz su tortusu		0,047 mg/kg
Temiz su tortusu		47 µg/kg
toprak		0,023 mg/kg
toprak		2.3 µg/kg

8.2. Maruz kalma kontrolleri

Gereksiz maruziyeti önlemek için genel kontrol işlemi gerçekleştirin.

Genel öneriler:

Çalışma alanları içerisinde sigara içilmesi, yiyecek veya içecek tüketimi, tütün, yiyecek veya içeceklerin depolanmasına izin verilmez.

Maruz kalma senaryoları:

Bu ürün için uygulanan hiçbir maruz kalma senaryosu bulunmamaktadır.

Maruz kalma sınırları:

Bu ürün içerisinde bulunan maddeler için maksimum maruz kalma limiti yoktur.

İlgili teknik önlemler:

Ürünün kullanımı sırasında standart tedbirleri uygulayın. Buharı solumaktan kaçının.

Hijyen önlemleri:

Bu ürünü kullanırken ara verdiğinizde ve ürünü kullanmayı tamamladığınızda, vücudun açıkta olan tüm yerleri yıkanmalıdır. Ellerinize, kollarınızın ön kısımlarına ve yüzünüze özellikle dikkat edin.

Çevresel maruz kalmayı engellemek üzere önlemler:

Belirli gereksinimler yoktur.

Kişisel koruma ekipmanları gibi bireysel koruma önlemleri

Genel:

Sadece CE işaretli koruyucu ekipmanları kullanınız.

Solunma ekipmanı:

Tipi	Sınıf	Renk	Standartlarına	
Amacına uygun kullanıldığında özel durum yoktur.				

Cildin korunması:

Önerilen	Tip/Kategori	Standartlarına	
Amacına uygun kullanıldığında özel durum yoktur	-	-	

Ellerin korunması:

Çalışma durumu	Malzeme	Minimum tabaka kalınlığı (mm)	Delinme süresi (dakika)	Standartlarına	
	Amacına uygun kullanıldığında özel durum yoktur	-	-	-	
Uzun süreli maruz kalma veya yüksek konsantrasyonlar durumunda	Pamukdan / Doğal lastik (lateks)	-	> 120	EN374-2, EN16523-1, EN388	

Gözlerin korunması:

Çalışma durumu	Tipi	Standartlarına	
	Amacına uygun kullanıldığında özel durum yoktur.	-	
Uzun süreli maruz kalma veya yüksek konsantrasyonlar durumunda	Yan siperleri olan koruyucu gözlük takın.	EN166	

BÖLÜM 9: FİZİKSEL VE KİMYASAL ÖZELLİKLER

9.1. Temel fiziksel ve kimyasal özellikler hakkında bilgi

Sekil:

Sıvı

Renk:

Renksiz

Koku / Koku eşiği (ppm):

Parfümlü

pH:

ca. 4.8

Yogunluk (g/cm³):

1,02 (20 °C)

Kinematik vizkosite:

Veri bulunmamaktadır.

Partikül özellikleri:

Sıvılar uygulanmaz

Hal değişimlikleri

Erime noktası/Donma noktası (°C):

Veri bulunmamaktadır.

Yumuşama noktası/aralığı (°C):

Sıvılar uygulanmaz

Kaynama noktası (°C):

Veri bulunmamaktadır.

Buhar basıncı:

Veri bulunmamaktadır.

Bağıl buhar yoğunluğu:

Veri bulunmamaktadır.

Bozunma sıcaklığı (°C):

Veri bulunmamaktadır.

Yangın ve patlama tehlikeleri ile ilgili veriler

Parlama noktası (°C):

Veri bulunmamaktadır.

Alevlenirlik (°C):

Veri bulunmamaktadır.

Kendi kendine yanma noktası (°C):

Veri bulunmamaktadır.

Patlama sınırları (% v/v):

Veri bulunmamaktadır.

Çözünübilirlik

Suda çözünübilirlik:

Tamamen çözünür

n-oktanol/su katsayısı (LogKow):
Veri bulunmamaktadır.

Yagda çözünürlük (g/L):
Veri bulunmamaktadır.

9.2. Diğer bilgiler

Diğer fiziksel ve kimyasal parametreler:
Veri bulunmamaktadır.

Oksitleyici özellikler:
Veri bulunmamaktadır.

BÖLÜM 10: KARARLILIK VE REAKTİFLİK

10.1. Tepkime

Veri bulunmamaktadır.

10.2. Kimyasal kararlılık

Ürün 7, "Taşıma ve depolama" bölümünde belirtilen koşullar altında durağandır.

10.3. Zararlı tepkime olasılığı

Hiçbiri bilinmiyor.

10.4. Kaçınılması gereken durumlar

Hiçbiri bilinmiyor.

10.5. Kaçınılması gereken maddeler

Güçlü asitler, güçlü bazlar, güçlü paslandırıcı maddeler ve güçlü katabolik maddeler.

10.6. Zararlı bozunma ürünleri

Normal depolama ve kullanım koşulları altında tehlikeli bozunma ürünleri üretilmemelidir.

BÖLÜM 11: TOKSİKOLOJİK BİLGİLER

11.1. Toksik etkiler hakkında bilgi

Akut toksik

Ürün/içerik	hydrogen peroxide
Tür:	Sıçan
Maruz kalma şekli:	Ağız yolu
Test:	LD50
Sonuç:	1.193 - 1.270 mg/L

Ürün/içerik	hydrogen peroxide
Tür:	Tavşan
Maruz kalma şekli:	Cilt yolu
Test:	LD50
Sonuç:	>2.000 (35% oplossing) mg/kg

Ürün/içerik	1,2-benzisothiazol-3(2H)-one, 1,2-benzisothiazolin-3-one
Tür:	Sıçan
Maruz kalma şekli:	Ağız yolu
Test:	LD50
Sonuç:	500 mg/kg

Mevcut veriler sınıflandırma kriterlerini karşılamıyor.

Cilt asinması/tahris

Ürün/içerik	hydrogen peroxide
Sonuç:	Yan etki gözlemlenmiştir (Tahriş edici)

Ürün/içerik	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Test metodu:	OECD 404
Sonuç:	Yan etki gözlemlenmiştir (Tahriş edici)

Mevcut veriler sınıflandırma kriterlerini karşılamıyor.

Ciddi göz hasarları/tahrişi

Ürün/içerik	hydrogen peroxide
Sonuç:	Yan etki gözlemlenmiştir (Ciddi göz hasarına yol açar)

Ürün/içerik	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Test metodu:	OECD 405
Sonuç:	Yan etki gözlemlenmiştir (Ciddi göz hasarına yol açar)

Mevcut veriler sınıflandırma kriterlerini karşılamıyor.

Solunum yolları hassaslaşması

Ürün/içerik	hydrogen peroxide
Sonuç:	Hiçbir yan etki gözlenmemiştir (hassaslaştırıcı değil)

Mevcut veriler sınıflandırma kriterlerini karşılamıyor.

Cilt hassaslaşması

Ürün/içerik	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Test metodu:	OECD 429
Tür:	Fare
Sonuç:	Yan etki gözlemlenmiştir (hassaslaştırma)

Ürün/içerik	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Test metodu:	OECD 406
Tür:	Gine domuzu
Sonuç:	Yan etki gözlemlenmiştir (hassaslaştırma)

Mevcut veriler sınıflandırma kriterlerini karşılamıyor.

Hastalıkli hücre mutajenitesi

Mevcut veriler sınıflandırma kriterlerini karşılamıyor.

Kanserojenlik

Ürün/içerik	hydrogen peroxide
Sonuç:	Hiçbir yan etki gözlenmemiştir

Mevcut veriler sınıflandırma kriterlerini karşılamıyor.

Üreme toksisitesi

Ürün/içerik	hydrogen peroxide
Sonuç:	Hiçbir yan etki gözlenmemiştir

Mevcut veriler sınıflandırma kriterlerini karşılamıyor.

STOT- tekil maruz kalma

Mevcut veriler sınıflandırma kriterlerini karşılamıyor.

STOT - tekrarlı maruz kalma

Mevcut veriler sınıflandırma kriterlerini karşılamıyor.

Aspirasyon tehlikesi

Ürün/içerik	hydrogen peroxide
Sonuç:	Mevcut veriler sınıflandırma kriterlerini karşılamıyor.

11.2. Diğer tehlikelere ilişkin bilgiler

Uzun vadeli etkiler

Hiçbiri bilinmiyor.

Endokrin bozucu özellikler

Bu karışım/ürün, sağlıkla ilgili hormon bozucu özelliklere sahip olduğu düşünülen herhangi bir madde içermemektedir.

Diğer bilgiler

hydrogen peroxide : Bu madde IARC (Uluslararası Kanser Araştırmaları Ajansı) tarafından grup 3 olarak sınıflandırılmıştır.

BÖLÜM 12: EKOLOJİK BİLGİLER

12.1. Toksisite

Ürün/içerik: hydrogen peroxide
Tür: Balık, Pimephales promelas
Süresi: 96 saat
Test: LC50
Sonuç: 16,4 mg/L

Ürün/içerik: hydrogen peroxide
Tür: Balık, Leuciscus idus
Süresi: 72 saat
Test: LC50
Sonuç: 35 mg/L

Ürün/içerik: hydrogen peroxide
Tür: Balık, Oncorhynchus mykiss
Süresi: 7 günler
Test: LC50
Sonuç: 38,5 mg/L

Ürün/içerik: hydrogen peroxide
Tür: Daphnia pulex
Süresi: 48 saat
Test: EC50
Sonuç: 2,4 mg/L

Ürün/içerik: hydrogen peroxide
Tür: Daphnia magna
Süresi: 24 saat
Test: EC50
Sonuç: 7,7 mg/L

Ürün/içerik: hydrogen peroxide
Tür: Skeletonema costatum
Süresi: 72 saat
Test: EC50
Sonuç: 1,38 mg/L

Ürün/içerik: hydrogen peroxide
Test metodu: OECD 209
Tür: Bakteriler
Ortamıdır: Etkinleştirilen Çamur Tesisi
Süresi: 30 minutes
Test: EC50
Sonuç: 466 mg/L

Ürün/içerik: hydrogen peroxide
Test metodu: OECD 209
Tür: Bakteriler
Ortamıdır: Etkinleştirilen Çamur Tesisi
Süresi: 3 saat
Test: EC50
Sonuç: > 1.000 mg/L

Ürün/içerik: 1,2-benzisothiazol-3(2H)-one
Tür: Balık

Süresi: 96 saat
Test: LC50
Sonuç: >0.1-1 mg/L

Ürün/içerik 1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Tür: Kabuklu
Süresi: 48 saat
Test: EC50
Sonuç: >0.1-1 mg/L

Ürün/içerik 1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Tür: Yosun
Süresi: 72 saat
Test: EC50
Sonuç: >0.1-1 mg/L

Mevcut veriler sınıflandırma kriterlerini karşılamıyor.

12.2. Kalıcılık ve bozunabilirlik

Ürün/içerik Alcohol, C13, bran., EO, sulfate Na~
Sonuç: > 60 %
Sonuç: Kolay biyobozunabilirlik
Test: OECD 301 B

Ürün/içerik hydrogen peroxide
Sonuç: Kolay biyobozunabilirlik

Ürün/içerik 1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Sonuç: 90%
Sonuç: Kolay biyobozunabilirlik
Test: OECD 302

Bu preparat içerisinde bulunan sürfaktan(lar) deterjanlarla ilgili Düzenleme (EC) No.648/2004'te belirtilen biyolojik olarak çözünebilirlik kriterleri ile uyumludur. Bu beyanı destekleyen veriler Üye Ülkeler'in yetkili otoritelerine sunulmaktadır ve doğrudan talepleri veya bir deterjan üreticisinin talebi üzerine sağlanabilir.

12.3. Biyobirikim potansiyeli

Ürün/içerik hydrogen peroxide
LogKow: -1,57
Sonuç: -

Ürün/içerik 1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
BCF: 2
LogKow: 1.45
Sonuç: Biyoakümülyasyon potansiyeli düşüktür

12.4. Toprakta hareketlilik

Veri bulunmamaktadır.

12.5. PBT ve vPvB değerlendirmesinin sonuçları

Bu karışım/ürün, PBT ve/veya vPvB sınıfı kapsamında değerlendirilen herhangi bir ürün içermez.

12.6. Endokrin bozucu özellikler

Bu karışım/ürün, çevreyle ilgili endokrin bozucu özelliklere sahip olduğu düşünülen herhangi bir madde içermemektedir.

12.7. Diğer olumsuz etkiler

Hiçbiri bilinmiyor.

BÖLÜM 13: ATIKLARIN ATILMASI İLE İLGİLİ HUSUSLAR

13.1. Atık işleme yöntemleri

Bu ürün tehlikeli atık düzenlemeleri kapsamındadır. (*)

HP 4 - Tahriş edici (cilt tahrişi ve göz hasarı)

18 Aralık 2014 tarih ve 1357/2014 sayılı Komisyon Yönetmeliği (AB), Avrupa Parlamentosu ve Konseyi'nin atıklarla ilgili 2008/98/EC Yönergesinin Ek III'ünün yerini almıştır.

EWC kodu:

20 01 30

20 01 29 belirtilenler dışındaki deterjanlar

Bulasmis ambalaj

Ürünün artıklarının bulunduğu ambalaj malzemeleri ürün ile aynı şekilde atılmalıdır.

BÖLÜM 14: TASIMACILIK BİLGİLERİ

	14.1 UN	14.2 İsim ve tanım	14.3 Sınıf	14.4 PG*	14.5. Env**	Diger bilgiler:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Paketleme grubu

** Çevresel zararlar

Ek bilgiler

ADR, IATA ve IMDG düzenlemelerine göre tehlikeli mallar listesinde yer almamaktadır.

14.6. Kullanıcı için özel önlemler

Uygulanamaz.

14.7. MARPOL 73/78 ek II ve IBC koduna göre toplu taşımacılık

Veri bulunmamaktadır.

BÖLÜM 15: MEVZUAT BİLGİLERİ

15.1. Madde veya karışıma özgü güvenlik, sağlık ve çevre mevzuatı

Uygulama ile ilgili sınırlamalar:

Sadece profesyonel kullanıcılar içindir.

Özel eğitim talepleri:

Belirli gereksinimler yoktur.

SEVESO - Tehlikeli maddelerin zararlılık kategorileri / Adlandırılmış tehlikeli maddeler:

Uygulanamaz.

hydrogen peroxide (Ek I)

DETERJANLAR HAKKINDA YÖNETMELİK göre içeriğin etiketlenmesi:

>5% - <15%

· İyonik olmayan sürfaktanlar

< 5%

· Anyonik sürfaktanlar

· Oksijen bazlı beyazlatıcı maddeler

· Parfümler

· Koruyucu (BENZISOTHIAZOLINONE)

Ek bilgiler:

Bu preparat içerisinde bulunan sürfaktan(lar) deterjanlarla ilgili Düzenleme (EC) No.648/2004'te belirtilen biyolojik olarak çözünebilirlik kriterleri ile uyumludur. Bu beyanı destekleyen veriler Üye Ülkeler'in yetkili otoritelerine sunulmaktadır ve doğrudan talepleri veya bir deterjan üreticisinin talebi üzerine sağlanabilir.

Kaynaklar:

DETERJANLAR HAKKINDA YÖNETMELİK. Resmî Gazete Sayı : 30314 (Ocak 2018)

18 Aralık 2014 tarih ve 1357/2014 sayılı Komisyon Yönetmeliği (AB), Avrupa Parlamentosu ve Konseyi'nin atıklarla

ilgili 2008/98/EC Yönergesinin Ek III'ünün yerini almıştır.
Council Regulation (EC) No 2019/1148 on explosives precursors.
11/12/2013 tarihli ve 28848 MADDELERİN VE KARIŞIMLARIN SINIFLANDIRILMASI, ETİKETLENMESİ VE
AMBALAJLANMASI HAKKINDA YÖNETMELİK
23/06/2017 tarihli ve 30105 KİMYASALLARIN KAYDI, DEĞERLENDİRİLMESİ, İZNİ VE KISITLANMASI HAKKINDA
YÖNETMELİK.

15.2. Kimyasal güvenlik değerlendirme

Hayır

BÖLÜM 16: DİĞER BİLGİLER

Bölüm 3'te belirtilen H terimlerinin tam metni

H271, Yangına veya patlamaya yol açabilir; güçlü oksitleyici.
H302, Yutulması halinde zararlıdır.
H314, Ciddi cilt yanıklarına ve göz hasarına yol açar.
H315, Cilt tahrişine yol açar.
H318, Ciddi göz hasarına yol açar.
H319, Ciddi göz tahrişine yol açar.
H332, Solunması halinde zararlıdır.
H335, Solunum yolu tahrişine yol açabilir.
H336, Rehavete veya baş dönmesine yol açabilir.
H412, Sucul ortamda uzun süre kalıcı, zararlı etki.

Kısaltmalar ve eş anlamlılar

ACGIH = American Conference of Industrial Hygienists
ADN = Tehlikeli yüklerin iç su yollarında uluslararası taşınması hakkındaki Avrupa Koşulları
ADR = Tehlikeli yüklerin uluslararası karayollarında taşınması hakkındaki Avrupa Sözleşmesi
ATE = Öngörülen akut toksisite
BCF = Biyobirikim faktörü
BM = Birleşmiş Milletler
CAS = Kimyasal Kuramlar Servisi
CE = Avrupa Uygunluğu
EuPCS = Avrupa Ürün Kategorizasyon Sistemi
GHS = Kimyasalların Global Harmonize Sınıflandırma ve Etiketleme Sistemi
IATA = Uluslararası Hava Taşımacılığı Birliği
IMDG = Uluslararası Denizcilikte Tehlikeli Yükler
KIP = Küresel ısınma potansiyeli
LogPow = oktanol/su dağılım katsayısının 10 tabanlı logaritması
MARPOL = Gemilerden Kaynaklanan Deniz Kirliliğini Önleme Sözleşmesi, 1973 1978 Protokolüyle değiştirilmiş hali
("Marpol" = deniz kirlenmesi)
OECD = Ekonomik İşbirliği ve Kalkınma Örgütü
PBT = Kalıcı, Biyobirikimli ve Toksik
RID = Tehlikeli Yüklerin Uluslararası Demiryolu ile Taşınması hakkındaki Tüzük
SCL = Spesifik konsantrasyon limiti.
STOT-RE = Özel Organ Hedefli Toksikite - Tekrarlanan Maruziyet
STOT-SE = Özel Organ Hedefli Toksikite - Tek Maruziyet
TWA = Zaman ağırlıklı ortalama
UOB = Uçucu Organik Bileşikler
UVCB = Bilinmeyen veya değişken bileşim, kompleks reaksiyon ürünleri veya biyolojik malzemeler
vPvB = Çok Kalıcı ve Çok Biyobirikimli

Ek bilgiler

Uygulanamaz.

Güvenlik bilgi formunu onaylayan

Quality & Compliance

Diger

Değişiklik (en son önemli değişiklik ile orantılı olarak (SDS versiyonu ilk anahtarı)) üçgen ile işaretlenmiştir.
Bu güvenlik bilgi formu içerisindeki bilgiler sadece belirlenmiş ürün için uygundur (bölüm 1'de belirtilmiştir) ve diğer kimyasallar/ürünler için kullanılması uygun olmayabilir.



Kimyasalların Kaydı, Değerlendirilmesi, İzni Ve Kısıtlanması Hakkında Yönetmelik (23.06.2017 Tarih ve 30105 Nolu Resmi Gazete)

Bu güvenlik bilgi formunun asıl ürün kullanıcısına teslim edilmesi önerilir. Bu güvenlik bilgi formu içerisindeki bilgiler ürün spesifikasyonu olarak kullanılamaz.
Ülke-dil: TR-tr

SAFETY DATA SHEET

i.1 all-purpose cleaner FlexDose

SECTION 1: IDENTIFICATION

1.1. Product identifier

▼ *Trade name:*

i.1 all-purpose cleaner FlexDose

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses of the substance or mixture:

Washing and cleaning products (including solvent based products)
Restricted to professional users.

Uses advised against :

None known.

1.3. Details of the supplier of the safety data sheet

Company and address:

Hygeniq B.V.
Postbus 618
7500 AP Enschede
The Netherlands
+31 53 4282860
+31 53 5393865
www.hygeniq.com

E-mail:

info@hygeniq.com

SDS date:

6/27/2025

SDS Version:

2.0

Date of previous version:

6/2/2025 (1.0)

1.4. Emergency telephone number

Contact the poison control at 1-800-222-1222 (24/7) or use the webPOISONCONTROL® (triage.webpoisoncontrol.org) to get specific guidance for your case
See also section 4 "First aid measures".

SECTION 2: HAZARD(S) IDENTIFICATION

2.1. Classification of the substance or mixture

Not classified according to HCS (29 CFR 1910.1200)

2.2. Label elements

Hazard pictogram(s):

Not applicable.

Signal word:

Not applicable.

Hazard statement(s):

Precautionary statement(s):

General:

-

Prevention:

-

Response:

-

Storage:

-

Disposal:

-

Additional labelling:

Not applicable.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable. This product is a mixture.

3.2. Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
Alcohol, C13, bran., EO, sulfate Na~	CAS No.: 150413-26-6	1-3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319	
hydrogen peroxide	CAS No.: 7722-84-1	1-3%	Ox. Liq. 1, H271 Acute Tox. 4, H302 Skin Corr. 1A, H314 (SCL: 70.00 %) Skin Corr. 1B, H314 (SCL: 50.00 %) Skin Irrit. 2, H315 (SCL: 35.00 %) Eye Dam. 1, H318 (SCL: 8.00 %) Eye Irrit. 2, H319 (SCL: 5.00 %) Acute Tox. 4, H332 STOT SE 3, H336 (SCL: 35.00 %)	
citroenzuurmonohydraat	CAS No.: 5949-29-1	<0.1%	Eye Irrit. 2, H319	

Where the concentration of an ingredient is expressed as a range the exact concentration has been withheld as a trade secret.

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information

-

SECTION 4: FIRST-AID MEASURES

4.1. Description of first aid measures

General information:

If breathing is irregular, drowsiness, loss of consciousness or cramps: Call 911 and give immediate treatment (first aid).

Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

Inhalation:

In case of discomfort: bring the person into fresh air.

Skin contact:

Upon irritation: rinse with water. In the event of continued irritation, seek medical assistance.

Eye contact:

Rinse gently with lukewarm water. Remove any contact lenses if this is easy to do. Continue rinsing. In case of persistent eye irritation or discomfort: Seek medical help.

Ingestion:

Rinse and flush mouth thoroughly and consume large quantities of water. In case of continued discomfort: seek medical assistance and bring this safety data sheet.

Burns:

Not applicable.

4.2. Most important symptoms and effects, both acute and delayed

None known.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

Information to medics

Bring this safety data sheet or the label from this product.

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Not applicable.

5.2. Special hazards arising from the substance or mixture

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

Carbon oxides (CO / CO₂)

5.3. Advice for firefighters

No specific requirements.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation, especially in confined areas.

Contaminated areas may be slippery.

6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.

Keep unauthorized persons away from the spill

6.3. Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections

See section 13 "Disposal considerations" on handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Smoking, drinking and consumption of food is not allowed in the work area.
See section 8 "Exposure controls/personal protection" for information on personal protection.

7.2. Conditions for safe storage, including any incompatibilities

Recommended storage material:

Keep only in original packaging.

Storage conditions:

Dry, cool and well ventilated

Incompatible materials:

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

hydrogen peroxide

Long term exposure limit (OSHA Table Z-1) (mg/m³): 1.4

Long term exposure limit (OSHA Table Z-1) (ppm): 1

Long term exposure limit (ACGIH TLV) (ppm): 1

Part 1910 - Occupational Safety and Health Standards (29 CFR 1910.1000 TABLE Z-1 - Limits for Air Contaminants)

8.2. Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

General recommendations:

Smoking, drinking and consumption of food is not allowed in the work area.

Exposure scenarios:

There are no exposure scenarios implemented for this product.

Exposure limits:

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

Appropriate technical measures:

The formation of vapours must be kept at a minimum and below current limit values (see above). Installation of a local exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure eyewash and emergency showers are clearly marked.

Apply standard precautions during use of the product. Avoid inhalation of vapours.

Hygiene measures:

Wash hands after use.

Measures to avoid environmental exposure:

No specific requirements.

Individual protection measures, such as personal protective equipment

Generally:

Use only protective equipment with a recognized certification mark, e.g. the UL mark.

Respiratory Equipment:

Type	Class	Colour	Standards	
No special when used				

Type	Class	Colour	Standards	
as intended.				

Skin protection:

Recommended	Type/Category	Standards	
No special when used as intended.	-	-	

Hand protection:

Work situation	Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
	No special when used as intended	-	-	-	
In the event of prolonged exposure or high concentrations	Cotton/Latex	-	> 120	EN374-2, EN16523-1, EN388	

Eye protection:

Work situation	Type	Standards	
	No special when used as intended.	-	
In the event of prolonged exposure or high concentrations	Safety glasses with side shields.	EN166	

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state:

Liquid

Color:

Colourless

Odor:

Of perfume

Odor threshold (ppm):

No data available.

pH:

ca. 4.8

Density (g/cm³):

1.02 (20 °C)

Kinematic viscosity:

No data available.

Particle characteristics:

Does not apply to liquids.

Phase changes

Melting point/freezing point (°F):

No data available.

Softening point/range (°F):

Does not apply to liquids.

Boiling point (°F):

No data available.



Conforms to OSHA Hazard Communication Standard (HCS) (29 CFR 1910.1200 / revised 2024)

Vapor pressure:

No data available.

Relative vapor density:

No data available.

Decomposition temperature (°F):

No data available.

Data on fire and explosion hazards

Flash point (°F):

No data available.

Flammability (°F):

No data available.

Auto-ignition temperature (°F):

No data available.

Explosion limits (% v/v):

No data available.

Solubility

Solubility in water:

Completely soluble

n-octanol/water coefficient (LogKow):

No data available.

Solubility in fat (g/L):

No data available.

9.2. Other information

Other physical and chemical parameters:

No data available.

Oxidizing properties:

No data available.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

10.2. Chemical stability

The product is stable under the conditions, noted in section 7 "Handling and storage".

10.3. Possibility of hazardous reactions, including those associated with foreseeable emergencies

None known.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity

Product/substance	hydrogen peroxide
Species:	Rat
Route of exposure:	Oral

Test:	LD50
Result:	1.193 - 1.270 mg/L

Product/substance	hydrogen peroxide
Species:	Rabbit
Route of exposure:	Dermal
Test:	LD50
Result:	>2.000 (35% oplossing) mg/kg

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	500 mg/kg

Based on available data, the classification criteria are not met.

Skin corrosion/irritation

Product/substance	hydrogen peroxide
Result:	Adverse effect observed (Irritating)

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Test method:	OECD 404
Result:	Adverse effect observed (Irritating)

Based on available data, the classification criteria are not met.

Serious eye damage/irritation

Product/substance	hydrogen peroxide
Result:	Adverse effect observed (Causes serious eye damage)

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Test method:	OECD 405
Result:	Adverse effect observed (Causes serious eye damage)

Based on available data, the classification criteria are not met.

Respiratory sensitisation

Product/substance	hydrogen peroxide
Result:	No adverse effect observed (not sensitising)

Based on available data, the classification criteria are not met.

Skin sensitisation

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Test method:	OECD 429
Species:	Mouse
Result:	Adverse effect observed (sensitising)

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Test method:	OECD 406
Species:	Guinea pig
Result:	Adverse effect observed (sensitising)

Based on available data, the classification criteria are not met.

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Product/substance	hydrogen peroxide
Conclusion:	No adverse effect observed

Based on available data, the classification criteria are not met.

Reproductive toxicity

Product/substance	hydrogen peroxide

Conclusion: No adverse effect observed

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Product/substance hydrogen peroxide

Based on available data, the classification criteria are not met.

Long term effects

None known.

Other information

hydrogen peroxide has been classified by IARC as a group 3 carcinogen.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Product/substance	hydrogen peroxide
Species:	Fish, Pimephales promelas
Duration:	96 hours
Test:	LC50
Result:	16,4 mg/L

Product/substance	hydrogen peroxide
Species:	Fish, Leuciscus idus
Duration:	72 hours
Test:	LC50
Result:	35 mg/L

Product/substance	hydrogen peroxide
Species:	Fish, Oncorhynchus mykiss
Duration:	7 days
Test:	LC50
Result:	38,5 mg/L

Product/substance	hydrogen peroxide
Species:	Daphnia pulex
Duration:	48 hours
Test:	EC50
Result:	2,4 mg/L

Product/substance	hydrogen peroxide
Species:	Daphnia magna
Duration:	24 hours
Test:	EC50
Result:	7,7 mg/L

Product/substance	hydrogen peroxide
Species:	Skeletonema costatum
Duration:	72 hours
Test:	EC50
Result:	1,38 mg/L

Product/substance	hydrogen peroxide
Test method:	OECD 209
Species:	Bacteria
Compartment:	Activated Sludge Plant

Duration: 30 minutes
Test: EC50
Result: 466 mg/L

Product/substance: hydrogen peroxide
Test method: OECD 209
Species: Bacteria
Compartment: Activated Sludge Plant
Duration: 3 hours
Test: EC50
Result: > 1.000 mg/L

Product/substance: 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Species: Fish
Duration: 96 hours
Test: LC50
Result: >0.1-1 mg/L

Product/substance: 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Species: Crustacean
Duration: 48 hours
Test: EC50
Result: >0.1-1 mg/L

Product/substance: 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Species: Algae
Duration: 72 hours
Test: EC50
Result: >0.1-1 mg/L

Based on available data, the classification criteria are not met.

12.2. Persistence and degradability

Product/substance: Alcohol, C13, bran., EO, sulfate Na~
Result: > 60 %
Conclusion: Readily biodegradable
Test: OECD 301 B

Product/substance: hydrogen peroxide
Conclusion: Readily biodegradable

Product/substance: 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Result: 90%
Conclusion: Readily biodegradable
Test: OECD 302

12.3. Bioaccumulative potential

Product/substance: hydrogen peroxide
LogKow: -1,57
Conclusion: -

Product/substance: 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
BCF: 2
LogKow: 1.45
Conclusion: Potential for bioaccumulation is low

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

12.6. Other adverse effects

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

RCRA Hazardous waste ("P" and "U" list) (40 CFR 261)

None of the components are listed

Specific labelling

Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: TRANSPORT INFORMATION

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
DOT	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Packing group

** Environmental hazards

Additional information

Not dangerous goods according to DOT, IATA and IMDG.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to IMO instruments

No data available.

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.2. U.S. Federal regulations

TSCA (the non-confidential portion):

hydrogen peroxide is listed

1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one is listed

Clean Air Act:

None of the components are listed

EPCRA Section 302:

hydrogen peroxide is regulated with a Threshold Planning Quantity (TPQ) of: 1000 pounds

EPCRA Section 304:

hydrogen peroxide is regulated with a Reportable Quantity (RQ) of: 1000 pounds

EPCRA section 313:

None of the components are listed

CERCLA:

None of the components are listed

Hazardous chemical inventory reporting:

This product is not subject to Tier II reporting.

State regulations

California / Prop. 65:

None of the components are listed

Massachusetts / Right To Know Act:

hydrogen peroxide is listed

New Jersey / Right To Know Act:

hydrogen peroxide / Substance number: 1015

hydrogen peroxide is on the Special Health Hazard Substance List

—

New York / Right To Know Act:

hydrogen peroxide is listed

hydrogen peroxide is regulated with a Reportable Quantity (RQ) of: 1 pounds

hydrogen peroxide is regulated with a Treshold Reporting Quantity (TRQ) of: 0 pounds

hydrogen peroxide is regulated with a Treshold Planning Quantity (TPQ) of: 1000 pounds

—

Pennsylvania / Right To Know Act:

hydrogen peroxide is listed

hydrogen peroxide is hazardous to the environment (E)

—

15.4. Restrictions for application

Restricted to professional users.

15.5. Demands for specific education

No specific requirements.

15.6. Additional information

Not applicable.

15.7. Chemical safety assessment

No

15.8. Sources

OSHA Hazard Communication Standard (29 CFR 1910.1200)

SECTION 16: OTHER INFORMATION

Full text of H-phrases as mentioned in section 3

H271, May cause fire or explosion; strong oxidiser.

H302, Harmful if swallowed.

H314, Causes severe skin burns and eye damage.

H315, Causes skin irritation.

H318, Causes serious eye damage.

H319, Causes serious eye irritation.

H332, Harmful if inhaled.

H336, May cause drowsiness or dizziness.

The full text of identified uses as mentioned in section 1

None known.

Abbreviations and acronyms

ACGIH = American Conference of Governmental Industrial Hygienists

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway

ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road

ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

CAS = Chemical Abstracts Service

CERCLA = Comprehensive Environmental Response Compensation and Liability Act

DOT = Department of Transportation

EINECS = European Inventory of Existing Commercial chemical Substances

EPCRA = Emergency Planning and Community Right-To-Know Act

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

HCIS = Hazardous Chemical Information System
HNOC = Hazards Not Otherwise Classified
IARC = International Agency for Research on Cancer
IATA = International Air Transport Association
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
NFPA = National Fire Protection Association
NIOSH = National Institute for Occupational Safety and Health
OECD = Organisation for Economic Co-operation and Development
OSHA = Occupational Safety and Health Administration
PBT = Persistent, Bioaccumulative and Toxic
RCRA = Resource Conservation and Recovery Act
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
RRN = REACH Registration Number
SARA = Superfund Amendments and Reauthorization Act
SCL = A specific concentration limit.
STEL = Short-term exposure limits
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
STOT-SE = Specific Target Organ Toxicity - Single Exposure
TSCA = The Toxic Substances Control Act
TWA = Time weighted average
UN = United Nations
UVBC = Unknown or variable composition, complex reaction products or of biological materials
VOC = Volatile Organic Compound
vPvB = Very Persistent and Very Bioaccumulative

Additional information

Not applicable.

The safety data sheet is validated by

Quality & Compliance

Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

Country-language: US-en

SAFETY DATA SHEET

i.1 all-purpose cleaner FlexDose

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

▼ *Trade name:*

i.1 all-purpose cleaner FlexDose

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses of the substance or mixture:

Washing and cleaning products (including solvent based products)
Restricted to professional users.

Uses advised against:

None known.

1.3. Details of the supplier of the safety data sheet

Company and address:

Hygeniq B.V.
Postbus 618
7500 AP Enschede
The Netherlands
+31 53 4282860
+31 53 5393865
www.hygeniq.com

E-mail:

info@hygeniq.com

SDS date:

27/06/2025

SDS Version:

2.0

Date of previous version:

02/06/2025 (1.0)

1.4. Emergency telephone number

National Poison Control Center, Chinese Center for Disease Control and Prevention: +86-10-12320 (24 h emergency call)

SECTION 2: HAZARDS IDENTIFICATION

Classified according to the chemical classification standards: GB 30000.2-2013 to GB 30000.29-2013.

2.1. Classification of the substance or mixture

Skin Irrit. 3; H316, Causes mild skin irritation

2.2. Label elements

Hazard pictogram(s):

Not applicable.

Signal word:

Warning

Hazard statement(s):

Causes mild skin irritation (H316)

Precautionary statement(s):

General:

-

Prevention:

-

Response:

If skin irritation occurs: Get medical advice/attention. (P332+P313)

Storage:

-

Disposal:

-

Hazardous substances:

Does not contain any substances required to report

Additional labelling:

Not applicable.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable. This product is a mixture.

3.2. Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
Alcohol, C13, bran., EO, sulfate Na~	CAS No.: 150413-26-6 EC No.: 688-316-0	1-3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 3, H412	
hydrogen peroxide	CAS No.: 7722-84-1 EC No.: 231-765-0	1-3%	Ox. Liq. 1, H271 Acute Tox. 4, H302 Skin Corr. 1A, H314 (SCL: 70.00 %) Skin Corr. 1B, H314 (SCL: 50.00 %) Skin Irrit. 2, H315 (SCL: 35.00 %) Eye Dam. 1, H318 (SCL: 8.00 %) Eye Irrit. 2, H319 (SCL: 5.00 %) Acute Tox. 4, H332 STOT SE 3, H336 (SCL: 35.00 %)	
citroenzuurmonohydraat	CAS No.: 5949-29-1 EC No.: 611-842-9	<0.1%	Eye Irrit. 2, H319	

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information

-

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General information:

If breathing is irregular, drowsiness, loss of consciousness or cramps: Call Shang Hai center of toxic chemicals information & consultation (+86 400-6267-911) and give immediate treatment (first aid).

Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

Inhalation:

Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

Skin contact:

Remove contaminated clothing and shoes immediately. Ensure to wash exposed skin thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or thinners.

Eye contact:

If in eyes: Flush eyes with water or saline water (20-30 °C) for at least 5 minutes. Remove contact lenses. Seek medical assistance and continue flushing during transport.

Ingestion:

If the person is conscious, rinse the mouth with water and stay with the person. Never give the person anything to drink.

In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the person lean forward with head down to avoid inhalation of or choking on vomited material.

Burns:

Not applicable.

4.2. Most important symptoms and effects, both acute and delayed

None known.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

Information to medics

Bring this safety data sheet or the label from this product.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Not applicable.

5.2. Special hazards arising from the substance or mixture

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

Carbon oxides (CO / CO₂)

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact National Poison Control Center, Chinese Center for Disease Control and Prevention: +86-10-12320 in order to obtain further advice.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation, especially in confined areas.

Contaminated areas may be slippery.

6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.
Keep unauthorized persons away from the spill

6.3. Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.
Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections

See section 13 "Disposal considerations" on handling of waste.
See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Smoking, drinking and consumption of food is not allowed in the work area.
See section 8 "Exposure controls/personal protection" for information on personal protection.

7.2. Conditions for safe storage, including any incompatibilities

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Recommended storage material:

Keep only in original packaging.

Storage conditions:

Dry, cool and well ventilated

Incompatible materials:

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

hydrogen peroxide

Long term exposure limit (8 hours) (mg/m³): 1,5

GBZ 2.1-2019 (Occupational exposure limits for hazardous agents in the workplace)

8.2. Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

General recommendations:

Smoking, drinking and consumption of food is not allowed in the work area.

Exposure scenarios:

There are no exposure scenarios implemented for this product.

Exposure limits:

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

Appropriate technical measures:

The formation of vapours must be kept at a minimum and below current limit values (see above). Installation of a local exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure eyewash and emergency showers are clearly marked.

Apply standard precautions during use of the product. Avoid inhalation of vapours.

Hygiene measures:

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Pay special attention to hands, forearms and face.

Measures to avoid environmental exposure:

No specific requirements.

Individual protection measures, such as personal protective equipment

Generally:

Use only CE marked protective equipment.

Respiratory Equipment:

Type	Class	Colour	Standards	
No special when used as intended.				

Skin protection:

Recommended	Type/Category	Standards	
No special when used as intended.	-	-	

Hand protection:

Work situation	Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
	No special when used as intended	-	-	-	
In the event of prolonged exposure or high concentrations	Cotton/Latex	-	> 120	EN374-2, EN16523-1, EN388	

Eye protection:

Work situation	Type	Standards	
	No special when used as intended.	-	
In the event of prolonged exposure or high concentrations	Safety glasses with side shields.	EN166	

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Form:

Liquid

Colour:

Colourless

Odour:

Of perfume

Odour threshold (ppm):

No data available.

pH:

ca. 4.8

Density (g/cm³):

1.02 (20 °C)

Kinematic viscosity:

No data available.

Particle characteristics:

Does not apply to liquids.

Phase changes

Melting point/Freezing point (°C):

No data available.

Softening point/range (°C):

Does not apply to liquids.

Boiling point (°C):

No data available.

Vapour pressure:

No data available.

Relative vapour density:

No data available.

Decomposition temperature (°C):

No data available.

Evaporation rate (n-butylacetate = 100):

Data on fire and explosion hazards

Flash point (°C):

No data available.

Flammability (°C):

No data available.

Auto-ignition temperature (°C):

No data available.

Explosion limits (% v/v):

No data available.

Solubility

Solubility in water:

Completely soluble

n-octanol/water coefficient:

No data available.

Solubility in fat (g/L):

No data available.

9.2. Other information

Other physical and chemical parameters:

No data available.

Oxidizing properties:

No data available.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

10.2. Chemical stability

The product is stable under the conditions, noted in section 7 "Handling and storage".

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity

Product/substance	hydrogen peroxide
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	1.193 - 1.270 mg/L

Product/substance	hydrogen peroxide
Species:	Rabbit
Route of exposure:	Dermal
Test:	LD50
Result:	>2.000 (35% oplossing) mg/kg

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	500 mg/kg

Based on available data, the classification criteria are not met.

Skin corrosion/irritation

Product/substance	hydrogen peroxide
Result:	Adverse effect observed (Irritating)

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Test method:	OECD 404
Result:	Adverse effect observed (Irritating)

Based on available data, the classification criteria are not met.

Serious eye damage/irritation

Product/substance	hydrogen peroxide
Result:	Adverse effect observed (Causes serious eye damage)

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Test method:	OECD 405
Result:	Adverse effect observed (Causes serious eye damage)

Based on available data, the classification criteria are not met.

Respiratory sensitisation

Product/substance	hydrogen peroxide
Result:	No adverse effect observed (not sensitising)

Based on available data, the classification criteria are not met.

Skin sensitisation

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Test method:	OECD 429
Species:	Mouse
Result:	Adverse effect observed (sensitising)

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Test method:	OECD 406
Species:	Guinea pig
Result:	Adverse effect observed (sensitising)

Based on available data, the classification criteria are not met.

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Product/substance hydrogen peroxide
Conclusion: No adverse effect observed

Based on available data, the classification criteria are not met.

Reproductive toxicity

Product/substance hydrogen peroxide
Conclusion: No adverse effect observed

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Product/substance hydrogen peroxide
Based on available data, the classification criteria are not met.

Long term effects

None known.

Other information

hydrogen peroxide has been classified by IARC as a group 3 carcinogen.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Product/substance hydrogen peroxide
Species: Fish, Pimephales promelas
Duration: 96 hours
Test: LC50
Result: 16,4 mg/L

Product/substance hydrogen peroxide
Species: Fish, Leuciscus idus
Duration: 72 hours
Test: LC50
Result: 35 mg/L

Product/substance hydrogen peroxide
Species: Fish, Oncorhynchus mykiss
Duration: 7 days
Test: LC50
Result: 38,5 mg/L

Product/substance hydrogen peroxide
Species: Daphnia pulex
Duration: 48 hours
Test: EC50
Result: 2,4 mg/L

Product/substance hydrogen peroxide
Species: Daphnia magna
Duration: 24 hours
Test: EC50
Result: 7,7 mg/L

According to China GHS Standards: GB/T 16483-2008 and GB/T 17519-2013

Product/substance	hydrogen peroxide
Species:	Skeletonema costatum
Duration:	72 hours
Test:	EC50
Result:	1,38 mg/L

Product/substance	hydrogen peroxide
Test method:	OECD 209
Species:	Bacteria
Compartment:	Activated Sludge Plant
Duration:	30 minutes
Test:	EC50
Result:	466 mg/L

Product/substance	hydrogen peroxide
Test method:	OECD 209
Species:	Bacteria
Compartment:	Activated Sludge Plant
Duration:	3 hours
Test:	EC50
Result:	> 1.000 mg/L

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Species:	Fish
Duration:	96 hours
Test:	LC50
Result:	>0.1-1 mg/L

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Species:	Crustacean
Duration:	48 hours
Test:	EC50
Result:	>0.1-1 mg/L

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Species:	Algae
Duration:	72 hours
Test:	EC50
Result:	>0.1-1 mg/L

Based on available data, the classification criteria are not met.

12.2. Persistence and degradability

Product/substance	Alcohol, C13, bran., EO, sulfate Na~
Result:	> 60 %
Conclusion:	Readily biodegradable
Test:	OECD 301 B

Product/substance	hydrogen peroxide
Conclusion:	Readily biodegradable

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Result:	90%
Conclusion:	Readily biodegradable
Test:	OECD 302

12.3. Bioaccumulative potential

Product/substance	hydrogen peroxide
LogKow:	-1,57
Conclusion:	-

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
BCF:	2
LogKow:	1.45
Conclusion:	Potential for bioaccumulation is low

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

12.6. Other adverse effects

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

Dispose of contents/container to an approved waste disposal plant.

Specific labelling

Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: TRANSPORT INFORMATION

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other informatio n:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Packing group

** Environmental hazards

Additional information

Not dangerous goods according to ADR, IATA and IMDG.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

No data available.

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Restrictions for application:

Restricted to professional users.

Demands for specific education:

No specific requirements.

Additional information:

Not applicable.

IECSC:

Alcohol, C13, bran., EO, sulfate Na~ is listed

hydrogen peroxide is listed
1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one is listed

Sources:

Regulations on the Safety Administration of Dangerous Chemicals (No.591)
GB30000.1-2024 Rules for classification and labelling of chemicals
GB13690-2009 General rule for classification and hazard communication of chemicals
List of hazardous chemicals (2015)
GB15258-2009 General rules for preparation of precautionary label for chemicals
GB/T 16483-2008 Safety data sheet for chemical products- Content and order of sections
GB/T 17519-2013 Guidance on the compilation of safety data sheet for chemical products

15.2. Chemical safety assessment

No

SECTION 16: OTHER INFORMATION

Full text of H-phrases as mentioned in section 3

H271, May cause fire or explosion; strong oxidiser.
H302, Harmful if swallowed.
H314, Causes severe skin burns and eye damage.
H315, Causes skin irritation.
H318, Causes serious eye damage.
H319, Causes serious eye irritation.
H332, Harmful if inhaled.
H336, May cause drowsiness or dizziness.
H412, Harmful to aquatic life with long lasting effects.

The full text of identified uses as mentioned in section 1

None known.

Abbreviations and acronyms

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway
ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
CAS = Chemical Abstracts Service
CE = Conformité Européenne (European conformity)
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
CSA = Chemical Safety Assessment
CSR = Chemical Safety Report
DMEL = Derived Minimal Effect Level
DNEL = Derived No Effect Level
EINECS = European Inventory of Existing Commercial chemical Substances
ES = Exposure Scenario
EUH statement = CLP-specific Hazard statement
EuPCS = European Product Categorisation System
EWC = European Waste Catalogue
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
GWP = Global warming potential
IARC = International Agency for Research on Cancer (IARC)
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
OECD = Organisation for Economic Co-operation and Development
PBT = Persistent, Bioaccumulative and Toxic
PNEC = Predicted No Effect Concentration
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail

RRN = REACH Registration Number
SCL = A specific concentration limit
SVHC = Substances of Very High Concern
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
STOT-SE = Specific Target Organ Toxicity - Single Exposure
TWA = Time weighted average
UN = United Nations
UVBC = Unknown or variable composition, complex reaction products or of biological materials
VOC = Volatile Organic Compound
vPvB = Very Persistent and Very Bioaccumulative

Additional information

Not applicable.

The safety data sheet is validated by

Quality & Compliance

Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

Country-language: CN-en

SAFETY DATA SHEET

i.1 all-purpose cleaner FlexDose

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

▼ *Trade name:*

i.1 all-purpose cleaner FlexDose

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses of the substance or mixture:

Washing and cleaning products (including solvent based products)
Restricted to professional users.

Uses advised against :

None known.

1.3. Details of the supplier of the safety data sheet

Company and address:

Hygeniq B.V.
Postbus 618
7500 AP Enschede
The Netherlands
+31 53 4282860
+31 53 5393865
www.hygeniq.com

E-mail:

info@hygeniq.com

SDS date:

27/6/2025

SDS Version:

2.0

Date of previous version:

2/6/2025 (1.0)

1.4. Emergency telephone number

In an emergency call 000

In less severe situations call the Poisons Information Centre: 13 11 26 (Available 24/7 from anywhere in Australia)

See section 4 "First aid measures".

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Not classified according to the Work Health and Safety Regulations.

2.2. Label elements

Hazard pictogram(s):

Not applicable.

Signal word:

Not applicable.

Hazard statement(s):

Not applicable.

Precautionary statement(s):

General:

-

Prevention:

-

Response:

-

Storage:

-

Disposal:

-

Hazardous substances:

Does not contain any substances required to report

Additional labelling:

Not applicable.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable. This product is a mixture.

3.2. Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
Alcohol, C13, bran., EO, sulfate Na~	CAS No.: 150413-26-6 EC No.: 688-316-0	1-3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319	
hydrogen peroxide	CAS No.: 7722-84-1 EC No.: 231-765-0	1-3%	Ox. Liq. 1, H271 Acute Tox. 4, H302 Skin Corr. 1A, H314 (SCL: 70.00 %) Skin Corr. 1B, H314 (SCL: 50.00 %) Skin Irrit. 2, H315 (SCL: 35.00 %) Eye Dam. 1, H318 (SCL: 8.00 %) Eye Irrit. 2, H319 (SCL: 5.00 %) Acute Tox. 4, H332 STOT SE 3, H336 (SCL: 35.00 %)	
citroenzuurmonohydraat	CAS No.: 5949-29-1 EC No.: 611-842-9	<0.1%	Eye Irrit. 2, H319	

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information

-

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General information:

In the case of accident: Contact a doctor or casualty department – bring the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

Inhalation:

In case of discomfort: bring the person into fresh air.

Skin contact:

Upon irritation: rinse with water. In the event of continued irritation, seek medical assistance.

Eye contact:

Rinse gently with lukewarm water. Remove any contact lenses if this is easy to do. Continue rinsing. In case of persistent eye irritation or discomfort: Seek medical help.

Ingestion:

Rinse and flush mouth thoroughly and consume large quantities of water. In case of continued discomfort: seek medical assistance and bring this safety data sheet.

Burns:

Not applicable.

4.2. Most important symptoms and effects, both acute and delayed

None known.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

Information to medics

Bring this safety data sheet or the label from this product.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Not applicable.

5.2. Special hazards arising from the substance or mixture

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

Carbon oxides (CO / CO₂)

5.3. Advice for firefighters

No specific requirements.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation, especially in confined areas.

Contaminated areas may be slippery.

6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.

Keep unauthorized persons away from the spill

6.3. Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections

See section 13 "Disposal considerations" on handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Smoking, drinking and consumption of food is not allowed in the work area.
See section 8 "Exposure controls/personal protection" for information on personal protection.

7.2. Conditions for safe storage, including any incompatibilities

Recommended storage material:

Keep only in original packaging.

Storage conditions:

Dry, cool and well ventilated

Incompatible materials:

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

hydrogen peroxide

Long term exposure limit (8 hours) (ppm): 1

Long term exposure limit (8 hours) (mg/m³): 1.4

Workplace exposure standards for airborne contaminants (Safe Work Australia). (January 2024)

8.2. Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

General recommendations:

Smoking, drinking and consumption of food is not allowed in the work area.

Exposure scenarios:

There are no exposure scenarios implemented for this product.

Exposure limits:

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

Appropriate technical measures:

The formation of vapours must be kept at a minimum and below current limit values (see above). Installation of a local exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure eyewash and emergency showers are clearly marked.

Apply standard precautions during use of the product. Avoid inhalation of vapours.

Hygiene measures:

Wash hands after use.

Measures to avoid environmental exposure:

No specific requirements.

Individual protection measures, such as personal protective equipment

Generally:

Use only protective equipment that carries the RCM symbol.

Respiratory Equipment:

Type	Class	Colour	Standards	
No special when used as intended.				

Skin protection:

Recommended	Type/Category	Standards	
No special when used as intended.	-	-	

Hand protection:

Work situation	Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
	No special when used as intended	-	-	-	
In the event of prolonged exposure or high concentrations	Cotton/Latex	-	> 120	EN374-2, EN16523-1, EN388	

Eye protection:

Work situation	Type	Standards	
	No special when used as intended.	-	
In the event of prolonged exposure or high concentrations	Safety glasses with side shields.	EN166	

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Form:

Liquid

Colour:

Colourless

Odour:

Of perfume

Odour threshold (ppm):

No data available.

pH:

ca. 4.8

Density (g/cm³):

1.02 (20 °C)

Kinematic viscosity:

No data available.

Particle characteristics:

Does not apply to liquids.

Phase changes

Melting point/Freezing point (°C):

No data available.

Softening point/range (°C):

Does not apply to liquids.

Boiling point (°C):

No data available.

Vapour pressure:

No data available.

Relative vapour density:

No data available.

Decomposition temperature (°C):

No data available.

Data on fire and explosion hazards

Flash point (°C):

No data available.

Flammability (°C):

No data available.

Auto-ignition temperature (°C):

No data available.

Explosion limits (% v/v):

No data available.

Solubility

Solubility in water:

Completely soluble

n-octanol/water coefficient (LogKow):

No data available.

Solubility in fat (g/L):

No data available.

9.2. Other information

Other physical and chemical parameters:

No data available.

Oxidizing properties:

No data available.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

10.2. Chemical stability

The product is stable under the conditions, noted in section 7 "Handling and storage".

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity

Product/substance	hydrogen peroxide
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	1.193 - 1.270 mg/L

Product/substance	hydrogen peroxide
Species:	Rabbit
Route of exposure:	Dermal
Test:	LD50
Result:	>2.000 (35% oplossing) mg/kg

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	500 mg/kg

Based on available data, the classification criteria are not met.

Skin corrosion/irritation

Product/substance	hydrogen peroxide
Result:	Adverse effect observed (Irritating)

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Test method:	OECD 404
Result:	Adverse effect observed (Irritating)

Based on available data, the classification criteria are not met.

Serious eye damage/irritation

Product/substance	hydrogen peroxide
Result:	Adverse effect observed (Causes serious eye damage)

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Test method:	OECD 405
Result:	Adverse effect observed (Causes serious eye damage)

Based on available data, the classification criteria are not met.

Respiratory sensitisation

Product/substance	hydrogen peroxide
Result:	No adverse effect observed (not sensitising)

Based on available data, the classification criteria are not met.

Skin sensitisation

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Test method:	OECD 429
Species:	Mouse
Result:	Adverse effect observed (sensitising)

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Test method:	OECD 406
Species:	Guinea pig
Result:	Adverse effect observed (sensitising)

Based on available data, the classification criteria are not met.

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Product/substance	hydrogen peroxide
Conclusion:	No adverse effect observed

Based on available data, the classification criteria are not met.

hydrogen peroxide has been classified by IARC as a group 3 carcinogen.

Reproductive toxicity

Product/substance	hydrogen peroxide
Conclusion:	No adverse effect observed

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Product/substance hydrogen peroxide

Based on available data, the classification criteria are not met.

Long term effects

None known.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Product/substance	hydrogen peroxide
Species:	Fish, Pimephales promelas
Duration:	96 hours
Test:	LC50
Result:	16,4 mg/L

Product/substance	hydrogen peroxide
Species:	Fish, Leuciscus idus
Duration:	72 hours
Test:	LC50
Result:	35 mg/L

Product/substance	hydrogen peroxide
Species:	Fish, Oncorhynchus mykiss
Duration:	7 days
Test:	LC50
Result:	38,5 mg/L

Product/substance	hydrogen peroxide
Species:	Daphnia pulex
Duration:	48 hours
Test:	EC50
Result:	2,4 mg/L

Product/substance	hydrogen peroxide
Species:	Daphnia magna
Duration:	24 hours
Test:	EC50
Result:	7,7 mg/L

Product/substance	hydrogen peroxide
Species:	Skeletonema costatum
Duration:	72 hours
Test:	EC50
Result:	1,38 mg/L

Product/substance	hydrogen peroxide
Test method:	OECD 209
Species:	Bacteria
Compartment:	Activated Sludge Plant
Duration:	30 minutes
Test:	EC50
Result:	466 mg/L

Product/substance	hydrogen peroxide
Test method:	OECD 209
Species:	Bacteria
Compartment:	Activated Sludge Plant
Duration:	3 hours
Test:	EC50
Result:	> 1.000 mg/L
Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Species:	Fish
Duration:	96 hours
Test:	LC50
Result:	>0.1-1 mg/L
Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Species:	Crustacean
Duration:	48 hours
Test:	EC50
Result:	>0.1-1 mg/L
Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Species:	Algae
Duration:	72 hours
Test:	EC50
Result:	>0.1-1 mg/L

Based on available data, the classification criteria are not met.

12.2. Persistence and degradability

Product/substance	Alcohol, C13, bran., EO, sulfate Na~
Result:	> 60 %
Conclusion:	Readily biodegradable
Test:	OECD 301 B
Product/substance	hydrogen peroxide
Conclusion:	Readily biodegradable
Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Result:	90%
Conclusion:	Readily biodegradable
Test:	OECD 302

12.3. Bioaccumulative potential

Product/substance	hydrogen peroxide
LogKow:	-1,57
Conclusion:	-
Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
BCF:	2
LogKow:	1.45
Conclusion:	Potential for bioaccumulation is low

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

12.6. Other adverse effects

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

Dispose of contents/container to an approved waste disposal plant.

Specific labelling

Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: TRANSPORT INFORMATION

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
ADG	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Packing group

** Environmental hazards

Additional information

Not dangerous goods according to ADR, IATA and IMDG.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

No data available.

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Restrictions for application:

Restricted to professional users.

Demands for specific education:

No specific requirements.

Control of major hazard facilities:

Not applicable.

Additional information:

Not applicable.

The Australian Inventory of Industrial Chemicals (AIIC):

Alcohol, C13, bran., EO, sulfate Na~ is listed

hydrogen peroxide is listed

1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one is listed

Sources:

Model Work Health and Safety Regulations as at 1 January 2021.

15.2. Chemical safety assessment

No

SECTION 16: OTHER INFORMATION

Full text of H-phrases as mentioned in section 3

H271, May cause fire or explosion; strong oxidiser.
H302, Harmful if swallowed.
H314, Causes severe skin burns and eye damage.
H315, Causes skin irritation.
H318, Causes serious eye damage.
H319, Causes serious eye irritation.
H332, Harmful if inhaled.
H336, May cause drowsiness or dizziness.

The full text of identified uses as mentioned in section 1

None known.

Abbreviations and acronyms

ADG = The Australian Code for the Transport of Dangerous Goods by Road & Rail
AICIS = Australian Industrial Chemicals Introduction Scheme
AIIC = Australian Inventory of Industrial Chemicals
AS = Australian Standard
AS/NZS = Australian New Zealand Standard
ATE = Acute Toxicity Estimate
AUH = Hazard statements specific for Australia
BCF = Bioconcentration Factor
CAS = Chemical Abstracts Service
EINECS = European Inventory of Existing Commercial chemical Substances
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
Hazchem = Hazardous chemicals
IARC = International Agency for Research on Cancer
IATA = International Air Transport Association
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
NICNAS = National Industrial Chemicals Notification and Assessment Scheme (replaced by AICIS since 2020)
OECD = Organisation for Economic Co-operation and Development
PBT = Persistent, Bioaccumulative and Toxic
RCM = Regulatory Mark of Conformity
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
SCL = A specific concentration limit
STEL = Short-term exposure limits
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
STOT-SE = Specific Target Organ Toxicity - Single Exposure
SUSMP = Standard for the Uniform Scheduling of Medicines and Poisons
TWA = Time weighted average
UN = United Nations
UVBC = Unknown or variable composition, complex reaction products or of biological materials
VOC = Volatile Organic Compound
vPvB = Very Persistent and Very Bioaccumulative
WHS = Work Health and Safety Regulations

Additional information

hydrogen peroxide
Long term exposure limit (8 hours) (ppm): 1
Long term exposure limit (8 hours) (mg/m³): 1.4

Not applicable.

The safety data sheet is validated by

Quality & Compliance

Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

Country-language: AU-en

SAFETY DATA SHEET

i.1 all-purpose cleaner FlexDose

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

SDS created for the UNITED ARAB EMIRATES according to GHS

1.1. Product identifier

▼ *Trade name:*

i.1 all-purpose cleaner FlexDose

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses of the substance or mixture:

Washing and cleaning products (including solvent based products)

Restricted to professional users.

Uses advised against :

None known.

1.3. Details of the supplier of the safety data sheet

Company and address:

Hygeniq B.V.

Postbus 618

7500 AP Enschede

The Netherlands

+31 53 4282860

+31 53 5393865

www.hygeniq.com

E-mail:

info@hygeniq.com

SDS date:

27/06/2025

SDS Version:

2.0

Date of previous version:

02/06/2025 (1.0)

1.4. Emergency telephone number

Contact the local emergency services.

See section 4 "First aid measures".

SECTION 2: HAZARDS IDENTIFICATION

Classified according to GHS.

2.1. Classification of the substance or mixture

Skin Irrit. 3; H316, Causes mild skin irritation

2.2. Label elements

Hazard pictogram(s):

Not applicable.

Signal word:

Warning

Hazard statement(s):

Causes mild skin irritation (H316)

Precautionary statement(s):

General:

-

Prevention:

-

Response:

If skin irritation occurs: Get medical advice/attention. (P332+P313)

Storage:

-

Disposal:

-

Hazardous substances:

Does not contain any substances required to report

Additional labelling:

Not applicable.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable. This product is a mixture.

3.2. Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
Alcohol, C13, bran., EO, sulfate Na~	CAS No.: 150413-26-6 EC No.: 688-316-0	1-3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 3, H412	
hydrogen peroxide	CAS No.: 7722-84-1 EC No.: 231-765-0	1-3%	Ox. Liq. 1, H271 Acute Tox. 4, H302 Skin Corr. 1A, H314 (SCL: 70.00 %) Skin Corr. 1B, H314 (SCL: 50.00 %) Skin Irrit. 2, H315 (SCL: 35.00 %) Eye Dam. 1, H318 (SCL: 8.00 %) Eye Irrit. 2, H319 (SCL: 5.00 %) Acute Tox. 4, H332 STOT SE 3, H336 (SCL: 35.00 %)	
citroenzuurmonohydraat	CAS No.: 5949-29-1 EC No.: 611-842-9	<0.1%	Eye Irrit. 2, H319	

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information

-

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General information:

In the case of accident: Contact a doctor or casualty department – bring the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

Inhalation:

Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

Skin contact:

Remove contaminated clothing and shoes immediately. Ensure to wash exposed skin thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or thinners.

Eye contact:

If in eyes: Flush eyes with water or saline water (20-30 °C) for at least 5 minutes. Remove contact lenses. Seek medical assistance and continue flushing during transport.

Ingestion:

If the person is conscious, rinse the mouth with water and stay with the person. Never give the person anything to drink.

In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the person lean forward with head down to avoid inhalation of or choking on vomited material.

Burns:

Not applicable.

4.2. Most important symptoms and effects, both acute and delayed

None known.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

Information to medics

Bring this safety data sheet or the label from this product.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Not applicable.

5.2. Special hazards arising from the substance or mixture

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

Carbon oxides (CO / CO₂)

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact the national poisons emergency services in order to obtain further advice.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Contaminated areas may be slippery.

6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.

Keep unauthorized persons away from the spill

6.3. Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.
Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections

See section 13 "Disposal considerations" on handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Smoking, drinking and consumption of food is not allowed in the work area.

See section 8 "Exposure controls/personal protection" for information on personal protection.

7.2. Conditions for safe storage, including any incompatibilities

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Recommended storage material:

Keep only in original packaging.

Storage conditions:

Dry, cool and well ventilated

Incompatible materials:

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

No substances are listed with an occupational exposure limit.

8.2. Exposure controls

Apply general control to prevent unnecessary exposure

General recommendations:

Smoking, drinking and consumption of food is not allowed in the work area.

Exposure scenarios:

There are no exposure scenarios implemented for this product.

Exposure limits:

Occupational exposure limits have not been defined for the substances in this product.

Appropriate technical measures:

Apply standard precautions during use of the product. Avoid inhalation of vapours.

Hygiene measures:

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Pay special attention to hands, forearms and face.

Measures to avoid environmental exposure:

No specific requirements.

Individual protection measures, such as personal protective equipment

Generally:

Use only CE marked protective equipment.

Respiratory Equipment:

Type	Class	Colour	Standards	
No special when used as intended.				

Skin protection:

Recommended	Type/Category	Standards	
No special when used as intended.	-	-	

Hand protection:

Work situation	Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
	No special when used as intended	-	-	-	
In the event of prolonged exposure or high concentrations	Cotton/Latex	-	> 120	EN374-2, EN16523-1, EN388	

Eye protection:

Work situation	Type	Standards	
	No special when used as intended.	-	
In the event of prolonged exposure or high concentrations	Safety glasses with side shields.	EN166	

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Form:

Liquid

Colour:

Colourless

Odour:

Of perfume

Odour threshold (ppm):

No data available.

pH:

ca. 4.8

Density (g/cm³):

1.02 (20 °C)

Kinematic viscosity:

No data available.

Particle characteristics:

Does not apply to liquids.

Phase changes

Melting point/Freezing point (°C):

No data available.

Softening point/range (°C):

Does not apply to liquids.

Boiling point (°C):

No data available.

Vapour pressure:

No data available.

Relative vapour density:

No data available.

Decomposition temperature (°C):

No data available.

Evaporation rate (n-butylacetate = 100):

Data on fire and explosion hazards

Flash point (°C):

No data available.

Flammability (°C):

No data available.

Auto-ignition temperature (°C):

No data available.

Explosion limits (% v/v):

No data available.

Solubility

Solubility in water:

Completely soluble

n-octanol/water coefficient (LogKow):

No data available.

Solubility in fat (g/L):

No data available.

9.2. Other information

No data available.

Other physical and chemical parameters:

No data available.

Oxidizing properties:

No data available.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

10.2. Chemical stability

The product is stable under the conditions, noted in section 7 "Handling and storage".

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity

Product/substance	hydrogen peroxide
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	1.193 - 1.270 mg/L

Product/substance	hydrogen peroxide
Species:	Rabbit
Route of exposure:	Dermal
Test:	LD50
Result:	>2.000 (35% oplossing) mg/kg

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	500 mg/kg

Based on available data, the classification criteria are not met.

Skin corrosion/irritation

Product/substance	hydrogen peroxide
Result:	Adverse effect observed (Irritating)

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Test method:	OECD 404
Result:	Adverse effect observed (Irritating)

Based on available data, the classification criteria are not met.

Serious eye damage/irritation

Product/substance	hydrogen peroxide
Result:	Adverse effect observed (Causes serious eye damage)

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Test method:	OECD 405
Result:	Adverse effect observed (Causes serious eye damage)

Based on available data, the classification criteria are not met.

Respiratory sensitisation

Product/substance	hydrogen peroxide
Result:	No adverse effect observed (not sensitising)

Based on available data, the classification criteria are not met.

Skin sensitisation

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Test method:	OECD 429
Species:	Mouse
Result:	Adverse effect observed (sensitising)

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Test method:	OECD 406
Species:	Guinea pig
Result:	Adverse effect observed (sensitising)

Based on available data, the classification criteria are not met.

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Product/substance	hydrogen peroxide
Conclusion:	No adverse effect observed

Based on available data, the classification criteria are not met.

hydrogen peroxide has been classified by IARC as a group 3 carcinogen.

Reproductive toxicity

Product/substance	hydrogen peroxide
Conclusion:	No adverse effect observed

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Product/substance hydrogen peroxide

Based on available data, the classification criteria are not met.

Long term effects

None known.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Product/substance	hydrogen peroxide
Species:	Fish, Pimephales promelas
Duration:	96 hours
Test:	LC50
Result:	16,4 mg/L

Product/substance	hydrogen peroxide
Species:	Fish, Leuciscus idus
Duration:	72 hours
Test:	LC50
Result:	35 mg/L

Product/substance	hydrogen peroxide
Species:	Fish, Oncorhynchus mykiss
Duration:	7 days
Test:	LC50
Result:	38,5 mg/L

Product/substance	hydrogen peroxide
Species:	Daphnia pulex
Duration:	48 hours
Test:	EC50
Result:	2,4 mg/L

Product/substance	hydrogen peroxide
Species:	Daphnia magna
Duration:	24 hours
Test:	EC50
Result:	7,7 mg/L

Product/substance	hydrogen peroxide
Species:	Skeletonema costatum
Duration:	72 hours
Test:	EC50
Result:	1,38 mg/L

Product/substance	hydrogen peroxide
Test method:	OECD 209
Species:	Bacteria
Compartment:	Activated Sludge Plant
Duration:	30 minutes
Test:	EC50
Result:	466 mg/L

According to GHS Rev. 8, 2019

Product/substance	hydrogen peroxide
Test method:	OECD 209
Species:	Bacteria
Compartment:	Activated Sludge Plant
Duration:	3 hours
Test:	EC50
Result:	> 1.000 mg/L
Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Species:	Fish
Duration:	96 hours
Test:	LC50
Result:	>0.1-1 mg/L
Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Species:	Crustacean
Duration:	48 hours
Test:	EC50
Result:	>0.1-1 mg/L
Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Species:	Algae
Duration:	72 hours
Test:	EC50
Result:	>0.1-1 mg/L

Based on available data, the classification criteria are not met.

12.2. Persistence and degradability

Product/substance	Alcohol, C13, bran., EO, sulfate Na~
Result:	> 60 %
Conclusion:	Readily biodegradable
Test:	OECD 301 B

Product/substance	hydrogen peroxide
Conclusion:	Readily biodegradable

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Result:	90%
Conclusion:	Readily biodegradable
Test:	OECD 302

12.3. Bioaccumulative potential

Product/substance	hydrogen peroxide
LogKow:	-1,57
Conclusion:	-

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
BCF:	2
LogKow:	1.45
Conclusion:	Potential for bioaccumulation is low

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

12.6. Other adverse effects

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

Dispose of contents/container to an approved waste disposal plant.

Specific labelling

Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: TRANSPORT INFORMATION

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Packing group

** Environmental hazards

Additional information

Not dangerous goods according to ADR, IATA and IMDG.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

No data available.

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Restrictions for application:

Restricted to professional users.

Demands for specific education:

No specific requirements.

Additional information:

Not applicable.

Sources:

Globally Harmonized System of Classification and Labelling of Chemicals (GHS Rev. 8, 2019)

15.2. Chemical safety assessment

No

SECTION 16: OTHER INFORMATION

Full text of H-phrases as mentioned in section 3

H271, May cause fire or explosion; strong oxidiser.

H302, Harmful if swallowed.

H314, Causes severe skin burns and eye damage.

H315, Causes skin irritation.

H318, Causes serious eye damage.

H319, Causes serious eye irritation.
H332, Harmful if inhaled.
H336, May cause drowsiness or dizziness.
H412, Harmful to aquatic life with long lasting effects.

The full text of identified uses as mentioned in section 1

None known.

Abbreviations and acronyms

ACGIH = American Conference of Governmental Industrial Hygienists
ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway
ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
CAS = Chemical Abstracts Service
CERCLA = Comprehensive Environmental Response Compensation and Liability Act
DOT = Department of Transportation
EINECS = European Inventory of Existing Commercial chemical Substances
EPCRA = Emergency Planning and Community Right-To-Know Act
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
HCIS = Hazardous Chemical Information System
HNOC = Hazards Not Otherwise Classified
IARC = International Agency for Research on Cancer
IATA = International Air Transport Association
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
NFPA = National Fire Protection Association
NIOSH = National Institute for Occupational Safety and Health
OECD = Organisation for Economic Co-operation and Development
OSHA = Occupational Safety and Health Administration
PBT = Persistent, Bioaccumulative and Toxic
RCRA = Resource Conservation and Recovery Act
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
RRN = REACH Registration Number
SARA = Superfund Amendments and Reauthorization Act
SCL = A specific concentration limit.
STEL = Short-term exposure limits
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
STOT-SE = Specific Target Organ Toxicity - Single Exposure
TSCA = The Toxic Substances Control Act
TWA = Time weighted average
UN = United Nations
UVBC = Unknown or variable composition, complex reaction products or of biological materials
VOC = Volatile Organic Compound
vPvB = Very Persistent and Very Bioaccumulative

Additional information

Not applicable.

The safety data sheet is validated by

Quality & Compliance

Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

Country-language: AE-en

SICHERHEITSDATENBLATT

i.1 all-purpose cleaner FlexDose

ABSCHNITT 1: BEZEICHNUNG DES STOFFS BEZIEHUNGSWEISE DES GEMISCHS UND DES UNTERNEHMENS

1.1. Produktidentifikator

▼ *Handelsname:*

i.1 all-purpose cleaner FlexDose

1.2. Relevante identifizierte Verwendungen des Stoffs oder Gemischs und Verwendungen, von denen abgeraten wird

Relevante identifizierte Verwendungen des Stoffs oder Gemischs:

Wasch- und Reinigungsmittel (einschließlich Produkte auf Lösungsmittelbasis)
Nur für gewerbliche Anwender.

Verwendungen, von denen abgeraten wird:

Keine bekannt.

1.3. Einzelheiten zum Lieferanten, der das Sicherheitsdatenblatt bereitstellt

Firmenname und Adresse:

Hygeniq B.V.
Postbus 618
7500 AP Enschede
The Netherlands
+31 53 4282860
+31 53 5393865
www.hygeniq.com

Email:

info@hygeniq.com

Überarbeitet am:

27.06.2025

SDB Version:

2.0

Datum der letzten Ausgabe:

02.06.2025 (1.0)

1.4. Notrufnummer

Vergiftungsinformationszentrale (VIZ): +43 (0)1 406 43 43 (von 0 bis 24 Uhr)
Siehe auch Abschnitt 4 zu Erste-Hilfe-Maßnahmen

ABSCHNITT 2: MÖGLICHE GEFAHREN

2.1. Einstufung des Stoffs oder Gemischs

Nicht eingestuft gemäß der Verordnung (EG) Nr. 1272/2008 (CLP).

2.2. Kennzeichnungselemente

Gefahrenpiktogramme:

Nicht zutreffend.

Signalwort:

Nicht zutreffend.

Gefahrenhinweise:

Nicht zutreffend.

Sicherheitshinweise:

Allgemeines:

-

Prävention:

-

Reaktion:

-

Lagerung:

-

Entsorgung:

-

Enthält:

Enthält keine meldepflichtigen Substanzen

Andere Kennzeichnungen:

EUH210, Sicherheitsdatenblatt auf Anfrage erhältlich.

Kennzeichnung der Inhaltsstoffe gemäß Verordnung über Detergenzien 648/2004 (gilt für Verpackungen von Reinigungsmitteln, die an die breite Öffentlichkeit verkauft werden):

>5% - <15%

· Nichtionische tenside

< 5%

· Anionische Tenside

· Bleichmittel auf Sauerstoffbasis

· Duftstoffe

· Konservierungsmittel (BENZISOTHIAZOLINONE)

2.3. Sonstige Gefahren

Anderes:

Diese Mischung/dieses Produkt enthält keine Substanzen, die den Kriterien für eine Klassifizierung als PBT- und/oder vPvB-Stoff entsprechen.

Dieses Produkt enthält keine Stoffe, die gemäß den Kriterien der Delegierten Verordnung (EU) 2017/2100 der Kommission oder der Verordnung (EU) 2023/707 der Kommission als endokrine Disruptoren gelten.

ABSCHNITT 3: ZUSAMMENSETZUNG/ANGABEN ZU BESTANDTEILEN

3.1. Stoffe

Nicht zutreffend. Dieses Produkt ist ein Gemisch.

3.2. Gemische

Produkt / Substanz	Identifikatoren	% w/w	Einstufung	Anm.
Alcohol, C13, bran., EO, sulfate Na~	CAS-Nr.: 150413-26-6 EG-Nr.: 688-316-0 REACH: Indexnr.:	1-3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 3, H412	
Wasserstoffperoxid	CAS-Nr.: 7722-84-1 EG-Nr.: 231-765-0 REACH: 01-2119485845-22-XXXX Indexnr.: 008-003-00-9	1-3%	Ox. Liq. 1, H271 Acute Tox. 4, H302 Skin Corr. 1A, H314 (SCL: 70,00 %) Skin Corr. 1B, H314 (SCL: 50,00 %) Skin Irrit. 2, H315 (SCL: 35,00 %) Eye Dam. 1, H318 (SCL: 8,00 %)	

			Eye Irrit. 2, H319 (SCL: 5,00 %) Acute Tox. 4, H332 STOT SE 3, H336 (SCL: 35,00 %)	
citroenzuurmonohydraat	CAS-Nr.: 5949-29-1 EG-Nr.: 611-842-9 REACH: 01-2119457026-42-XXXX Indexnr.:	<0.1%	Eye Irrit. 2, H319	
Disodium tin hexahydroxide	CAS-Nr.: 12027-70-2 EG-Nr.: 234-724-5 REACH: 01-2120770924-45-XXXX Indexnr.:	<0.05%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	[1]

Vollständiger Text der H-Sätze - siehe Abschnitt 16. Die Grenzwerte für die Exposition am Arbeitsplatz sind, wenn verfügbar, in Abschnitt 8 wiedergegeben.

Weitere Angaben

[1] Europäischer Grenzwert für die berufsbedingte Exposition.

ABSCHNITT 4: ERSTE-HILFE-MAßNAHMEN

4.1. Beschreibung der Erste-Hilfe-Maßnahmen

Allgemeine Hinweise:

Bei Unfällen: Arzt oder Erste-Hilfe-Raum aufsuchen - das Etikett oder dieses Sicherheitsdatenblatt mitbringen.
Bei anhaltenden Symptomen oder Zweifel über den Zustand des Geschädigten ist ärztliche Hilfe aufzusuchen.
Einem Bewusstlosen nie Wasser o.Ä. verabreichen.

Nach Einatmen:

Bei Atembeschwerden oder Reizung der Atemwege: Betroffenen an die frische Luft bringen und beaufsichtigen.

Nach Hautkontakt:

Bei Reizung: Produkt abwaschen. Bei andauernder Reizung: Arzt aufsuchen.

Nach Augenkontakt:

Bei Kontakt mit den Augen: Sofort mindestens 5 Minuten lang mit Wasser (20-30 °C) spülen. Ggf. Kontaktlinsen herausnehmen. Arzt aufsuchen.

Nach Verschlucken:

Wenn die Person bei Bewusstsein ist, den Mund mit Wasser ausspülen und bei der Person bleiben. Geben Sie der Person niemals etwas zu trinken. Bei Unwohlsein: Umgehend mit einem Arzt Kontakt aufnehmen und dieses Sicherheitsdatenblatt oder die Etikette des Produktes mitbringen.

Kein Erbrechen erzwingen, es sei denn, der Arzt empfiehlt es. Kopf nach unten halten, um zu vermeiden, dass Erbrochenes zurück in Mund und Hals läuft.

Verbrennung:

Nicht zutreffend.

4.2. Wichtigste akute und verzögert auftretende Symptome und Wirkungen

Keine bekannt.

4.3. Hinweise auf ärztliche Soforthilfe oder Spezialbehandlung

Symptomatische Behandlung.

Hinweise für den Arzt

Dieses Sicherheitsdatenblatt oder das Etikett des Produktes mitbringen.

ABSCHNITT 5: MAßNAHMEN ZUR BRANDBEKÄMPFUNG

5.1. Löschmittel

Nicht zutreffend.

5.2. Besondere vom Stoff oder Gemisch ausgehende Gefahren

Bei Feuer bildet sich dichter Rauch. Abbauproduktexposition kann eine gesundheitliche Gefahr bedeuten. Geschlossene, dem Feuer ausgesetzte Behälter sind mit Wasser zu kühlen. Löschwasser nicht in Kanalisation und Fließgewässer gelangen lassen.

Wenn das Produkt hohen Temperaturen ausgesetzt wird, beispielsweise bei Feuer, kann es zu gefährlichen Abbauprodukten kommen. Dabei handelt es sich um:

Kohlenmonoxide (CO / CO₂)

5.3. Hinweise für die Brandbekämpfung

Keine besonderen Anforderungen.

ABSCHNITT 6: MAßNAHMEN BEI UNBEABSICHTIGTER FREISETZUNG

6.1. Personenbezogene Vorsichtsmaßnahmen, Schutzausrüstungen und in Notfällen anzuwendende Verfahren

Sorgen Sie für ausreichende Belüftung, insbesondere in geschlossenen Räumen.

Kontaminierte Bereiche können rutschig sein.

6.2. Umweltschutzmaßnahmen

Einleitung in Seen, Bäche, Kanalisationen usw. vermeiden.

Halten Sie Unbefugte von dem verschütteten Produkt fern.

6.3. Methoden und Material für Rückhaltung und Reinigung

Verschüttetes Material wird mit nicht brennbaren absorbierenden Materialien wie etwa Sand, Erde, Vermiculit und Diatomeenerde eingedämmt und gemäß den geltenden Regeln in Behältern gesammelt und entsorgt.

Die Reinigung erfolgt soweit möglich mit Reinigungsmitteln. Lösungsmittel sind zu vermeiden.

6.4. Verweis auf andere Abschnitte

Siehe Abschnitt 13 "Hinweise zur Entsorgung" zur Handhabung von Abfällen.

Für Schutzmaßnahmen siehe Abschnitt 8 "Begrenzung und Überwachung der Exposition/Persönliche Schutzausrüstungen".

ABSCHNITT 7: HANDHABUNG UND LAGERUNG

7.1. Schutzmaßnahmen zur sicheren Handhabung

Rauchen, Verzehr von Lebensmitteln und Getränken sind im Arbeitsbereich nicht zulässig.

Siehe Abschnitt 8 zum Persönliche Schutzausrüstungen.

7.2. Bedingungen zur sicheren Lagerung unter Berücksichtigung von Unverträglichkeiten

Geöffnete Behälter sorgfältig verschließen und aufrecht lagern, um jegliches Auslaufen zu verhindern.

Geeigneten Verpackung:

Nur in Originalverpackung aufbewahren.

Lagerbedingungen:

Trocken, kühl und gut belüftet.

Unverträgliche Materialien:

Starke Säuren, starke Basen, starke Oxidationsmittel und starke Reduktionsmittel.

7.3. Spezifische Endanwendungen

Dieses Produkt sollte nur für Anwendungen in Abschnitt 1.2 verwendet werden.

ABSCHNITT 8: BEGRENZUNG UND ÜBERWACHUNG DER EXPOSITION/PERSÖNLICHE SCHUTZAUSRÜSTUNGEN

8.1. Zu überwachende Parameter

2-(2-ethoxyethoxy)ethanol

Kurzzeitwert (15 Minuten) (mg/m³): 140

Kurzzeitwert (15 Minuten) (ppm): 24
Arbeitsplatzgrenzwert (8 Stunden) (mg/m³): 35
Arbeitsplatzgrenzwert (8 Stunden) (ppm): 6

Wasserstoffperoxid
Kurzzeitwert (15 Minuten) (mg/m³): 2,8
Kurzzeitwert (15 Minuten) (ppm): 2
Arbeitsplatzgrenzwert (8 Stunden) (mg/m³): 1,4
Arbeitsplatzgrenzwert (8 Stunden) (ppm): 1

Grenzwerteverordnung 2024 - GVK 2024, BGBl. II Nr. 330/2024

DNEL

1,2-Benzisothiazol-3(2H)-on; 1,2-Benzisothiazolin-3-on; 1,2-Benzisothiazolin-3-on

Prüfdauer:	Expositionswege:	DNEL:
Langfristig – Systemische Auswirkungen - Allgemeine Bevölkerung	Dermal	0.345 mg/kg
Langfristig – Systemische Auswirkungen - Arbeiter	Dermal	966 µg/kg/Tag
Langfristig – Systemische Auswirkungen - Allgemeine Bevölkerung	Inhalation	1.2 mg/m ³
Langfristig – Systemische Auswirkungen - Arbeiter	Inhalation	6.81 mg/m ³

2-(2-ethoxyethoxy)ethanol

Prüfdauer:	Expositionswege:	DNEL:
Langfristig – Systemische Auswirkungen - Allgemeine Bevölkerung	Dermal	25 mg/kg/day
Langfristig – Systemische Auswirkungen - Arbeiter	Dermal	50 mg/kg/Tag
Langfristig – Systemische Auswirkungen - Arbeiter	Dermal	83 mg/kg/day
Langfristig – Örtliche Auswirkungen - Allgemeine Bevölkerung	Inhalation	18,3 mg/m ³
Langfristig – Örtliche Auswirkungen - Allgemeine Bevölkerung	Inhalation	18 mg/m ³
Langfristig – Örtliche Auswirkungen - Arbeiter	Inhalation	18 mg/m ³
Langfristig – Örtliche Auswirkungen - Arbeiter	Inhalation	30 mg/m ³
Langfristig – Systemische Auswirkungen - Arbeiter	Inhalation	37 mg/m ³
Langfristig – Systemische Auswirkungen - Arbeiter	Inhalation	61 mg/m ³
Langfristig – Systemische Auswirkungen - Allgemeine Bevölkerung	Oral	25 mg/kg/Tag

Disodium tin hexahydroxide

Prüfdauer:	Expositionswege:	DNEL:
Langfristig – Systemische Auswirkungen - Allgemeine Bevölkerung	Dermal	1.21 mg/kg/Tag
Langfristig – Systemische Auswirkungen - Arbeiter	Dermal	3.37 mg/kg/Tag
Langfristig – Systemische Auswirkungen - Allgemeine Bevölkerung	Inhalation	1.78 mg/m ³
Langfristig – Systemische Auswirkungen - Arbeiter	Inhalation	11.9 mg/m ³
Langfristig – Systemische Auswirkungen - Allgemeine Bevölkerung	Oral	1.21 mg/kg/Tag

Wasserstoffperoxid

Prüfdauer:	Expositionswege:	DNEL:
Kurzfristig – Örtliche Auswirkungen - Allgemeine Bevölkerung	Inhalation	1.93 mg/m ³
Kurzfristig – Örtliche Auswirkungen - Arbeiter	Inhalation	3 mg/m ³
Langfristig – Örtliche Auswirkungen - Allgemeine Bevölkerung	Inhalation	0,21 mg/m ³
Langfristig – Örtliche Auswirkungen - Allgemeine Bevölkerung	Inhalation	210 µg/m ³
Langfristig – Örtliche Auswirkungen - Arbeiter	Inhalation	1.4 mg/m ³

PNEC

1,2-Benzisothiazol-3(2H)-on; 1,2-Benzisothiazolin-3-on; 1,2-Benzisothiazolin-3-on

Expositionswege:	Dauer der Aussetzung:	PNEC:
Erde		3 mg/kg
Kläranlagen		1.03 mg/L
Pulsierende Freisetzung (Seewasser)		110 ng/L
Pulsierende Freisetzung (Süßwasser)		1.1 µg/L
Seewasser		403 ng/L
Seewassersedimente		4.99 µg/kg
Süßwasser		4.03 µg/L
Süßwassersedimente		49.9 µg/kg

2-(2-ethoxyethoxy)ethanol

Expositionswege:	Dauer der Aussetzung:	PNEC:
Erde		0,15 mg/kg
Erde		0.732 mg/kg
Erde		0.34 mg/kg
Kläranlagen		500 mg/L
Pulsierende Freisetzung		10 mg/L
Pulsierende Freisetzung (Süßwasser)		10 mg/L
Seewasser		0,074 mg/L
Seewasser		0.198 mg/L
Seewassersedimente		0,274 mg/kg
Süßwasser		0,74 mg/L
Süßwasser		1.98 mg/L
Süßwassersedimente		2,47 mg/kg
Süßwassersedimente		7.32 mg/kg

Disodium tin hexahydroxide

Expositionswege:	Dauer der Aussetzung:	PNEC:
Kläranlagen		10 mg/L
Pulsierende Freisetzung (Seewasser)		33.1 µg/L
Pulsierende Freisetzung (Süßwasser)		331 µg/L
Seewasser		3.31 µg/L
Seewassersedimente		139.46 µg/kg
Süßwasser		33.1 µg/L
Süßwassersedimente		1.395 mg/kg

Wasserstoffperoxid

Expositionswege:	Dauer der Aussetzung:	PNEC:
Erde		0,023 mg/kg
Erde		2.3 µg/kg
Kläranlagen		4.66 mg/L
Kläranlagen		4.66 mg/L
Pulsierende Freisetzung (Süßwasser)		13.8 µg/L
Seewasser		0,047 mg/L

Seewasser		12.6 µg/L
Seewassersedimente		0,047 mg/L
Seewassersedimente		47 µg/kg
Süßwasser		0,0126 mg/L
Süßwasser		12.6 µg/L
Süßwassersedimente		0,047 mg/kg
Süßwassersedimente		47 µg/kg

8.2. Begrenzung und Überwachung der Exposition

Es wird empfohlen die Einhaltung der angegebenen Grenzwerte regelmäßig zu kontrollieren.

Allgemeine Hinweise:

Rauchen, Verzehr von Lebensmitteln und Getränken sind im Arbeitsbereich nicht zulässig.

Expositionsszenarien:

Für dieses Produkt wurden keine Expositionsszenarien implementiert.

Expositionsgrenzwerte:

Für berufliche Benutzer gelten in Bezug auf die maximalen Expositionskonzentrationen die gesetzlichen Vorschriften zu Arbeitshygiene. Siehe die obigen arbeitshygienische Grenzwerte.

Zusätzliche Hinweise zur Gestaltung technischer Anlagen:

Dampfbildung muss auf ein Minimum reduziert werden und unter den aktuellen Grenzwerten liegen (siehe oben). Wenn der reguläre Luftstrom im Arbeitsraum nicht ausreichend ist, wird die Installation eines lokalen Abluftsystems empfohlen. Not- und Augenduschen müssen deutlich gekennzeichnet sind. Es gelten die üblichen Vorkehrungsmaßnahmen bei der Verwendung des Produkts. Einatmen von Dämpfen vermeiden.

Hygienemaßnahmen:

Bei jeder Pause in der Produktnutzung und bei Ende der Arbeiten sind exponierte Körperteile zu waschen. Besonders auf Hände, Unterarme und Gesicht achten.

Begrenzung der Umweltexposition:

Keine besonderen Anforderungen.

Individuelle Schutzmaßnahmen

Allgemeine Schutzmaßnahmen:

Nur Schutzausrüstung mit CE-Kennzeichnung verwenden.

Atemschutz:

Typ	Klasse	Farbe	Normen	
Keine Besonderheiten bei normal vorgesehenem Gebrauch.				

Körperschutz:

Empfohlen	Typ/Kategorien	Normen	
Keine Besonderheiten bei normal vorgesehenem Gebrauch.	-	-	

Handschutz:

Arbeitssituation	Material	Minimale Schichtdicke (mm)	Durchbruchzeit (min.)	Normen	
	Keine Besonderheiten bei normal vorgesehenem Gebrauch	-	-	-	

Arbeitssituation	Material	Minimale Schichtdicke (mm)	Durchbruchzeit (min.)	Normen	
Im Falle längere Exposition oder bei hoher Konzentration	Baumwolle / Latex	-	> 120	EN374-2, EN16523-1, EN388	

Augenschutz:

Arbeitssituation	Typ	Normen	
	Keine Besonderheiten bei normal vorgesehenem Gebrauch.	-	
Im Falle längere Exposition oder bei hoher Konzentration	Schutzbrille mit Seitenschutz tragen	EN166	

ABSCHNITT 9: PHYSIKALISCHE UND CHEMISCHE EIGENSCHAFTEN

9.1. Angaben zu den grundlegenden physikalischen und chemischen Eigenschaften

Form:

Flüssig

Farbe:

Farblos

Geruch / Geruchsschwelle (ppm):

Parfümiert

pH:

ca. 4.8

Dichte (g/cm³):

1,02 (20 °C)

Kinematische Viskosität:

Es liegen keine Daten vor.

Partikeleigenschaften:

Gilt nicht für Flüssigkeiten.

Zustandsänderungen

Schmelzpunkt/Gefrierpunkt (°C):

Es liegen keine Daten vor.

Erweichungspunkt/ -bereich (°C):

Gilt nicht für Flüssigkeiten.

Siedepunkt (°C):

Es liegen keine Daten vor.

Dampfdruck:

Es liegen keine Daten vor.

Relative Dampfdichte:

Es liegen keine Daten vor.

Zersetzungstemperatur (°C):

Es liegen keine Daten vor.

Explosions und Feuer Daten

Flammpunkt (°C):

Es liegen keine Daten vor.

Entzündbarkeit (°C):

Es liegen keine Daten vor.

Zündtemperatur (°C):

Es liegen keine Daten vor.

Explosionsgrenzen (% v/v):

Es liegen keine Daten vor.

Löslichkeit

Löslichkeit in Wasser:

Vollständig löslich

n-Octanol/Wasser Verteilungskoeffizient (LogKow):

Es liegen keine Daten vor.

Löslichkeit in Fett (g/L):

Es liegen keine Daten vor.

9.2. Sonstige Angaben

Weitere physikalische und chemische Parameter:

Es liegen keine Daten vor.

Brandfördernde Eigenschaften:

Es liegen keine Daten vor.

ABSCHNITT 10: STABILITÄT UND REAKTIVITÄT

10.1. Reaktivität

Es liegen keine Daten vor.

10.2. Chemische Stabilität

Das Produkt ist unter den in Abschnitt 7 aufgeführten Bedingungen stabil.

10.3. Möglichkeit gefährlicher Reaktionen

Keine bekannt.

10.4. Zu vermeidende Bedingungen

Keine bekannt.

10.5. Unverträgliche Materialien

Starke Säuren, starke Basen, starke Oxidationsmittel und starke Reduktionsmittel.

10.6. Gefährliche Zersetzungsprodukte

Unter normalen Lagerungs- und Verwendungsbedingungen sollten keine gefährlichen Zersetzungsprodukte entstehen.

ABSCHNITT 11: TOXIKOLOGISCHE ANGABEN

11.1. Angaben zu den Gefahrenklassen im Sinne der Verordnung (EG) Nr. 1272/2008

Akute Toxizität

Produkt / Substanz	2-(2-ethoxyethoxy)ethanol
Spezies:	Ratte
Expositionswegen:	Inhalation
Test:	LC0
Ergebnis:	0,025 mg/L

Produkt / Substanz	2-(2-ethoxyethoxy)ethanol
Prüfmethode:	OECD 402
Spezies:	Kaninchen
Expositionswegen:	Dermal
Test:	LD50
Ergebnis:	9143 mg/kg

Produkt / Substanz	2-(2-ethoxyethoxy)ethanol

Spezies:	Maus
Expositionswegen:	Oral
Test:	LD50
Ergebnis:	6031 mg/kg

Produkt / Substanz	Wasserstoffperoxid
Spezies:	Ratte
Expositionswegen:	Oral
Test:	LD50
Ergebnis:	1.193 - 1.270 mg/L

Produkt / Substanz	Wasserstoffperoxid
Spezies:	Kaninchen
Expositionswegen:	Dermal
Test:	LD50
Ergebnis:	>2.000 (35% oplossing) mg/kg

Produkt / Substanz	1,2-Benzisothiazol-3(2H)-on; 1,2-Benzisothiazolin-3-on;1,2-Benzisothiazolin-3-on
Spezies:	Ratte
Expositionswegen:	Oral
Test:	LD50
Ergebnis:	500 mg/kg

Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.

Ätz-/Reizwirkung auf die Haut

Produkt / Substanz	2-(2-ethoxyethoxy)ethanol
Ergebnis:	Keine schädlichen Wirkungen beobachtet (Nicht reizend)

Produkt / Substanz	Wasserstoffperoxid
Ergebnis:	Schädliche Wirkungen beobachtet (Reizend)

Produkt / Substanz	1,2-Benzisothiazol-3(2H)-on; 1,2-Benzisothiazolin-3-on;1,2-Benzisothiazolin-3-on
Prüfmethode:	OECD 404
Ergebnis:	Schädliche Wirkungen beobachtet (Reizend)

Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.

Schwere Augenschädigung/-reizung

Produkt / Substanz	2-(2-ethoxyethoxy)ethanol
Ergebnis:	Schädliche Wirkungen beobachtet (Leicht reizend)

Produkt / Substanz	Wasserstoffperoxid
Ergebnis:	Schädliche Wirkungen beobachtet (Verursacht schwere Augenschäden)

Produkt / Substanz	1,2-Benzisothiazol-3(2H)-on; 1,2-Benzisothiazolin-3-on;1,2-Benzisothiazolin-3-on
Prüfmethode:	OECD 405
Ergebnis:	Schädliche Wirkungen beobachtet (Verursacht schwere Augenschäden)

Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.

Sensibilisierung der Atemwege

Produkt / Substanz	Wasserstoffperoxid
Ergebnis:	Keine schädlichen Wirkungen beobachtet (nicht sensibilisierend)

Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.

Sensibilisierung der Haut

Produkt / Substanz	1,2-Benzisothiazol-3(2H)-on; 1,2-Benzisothiazolin-3-on;1,2-Benzisothiazolin-3-on
Prüfmethode:	OECD 429
Spezies:	Maus
Ergebnis:	Schädliche Wirkungen beobachtet (sensibilisierende)

Produkt / Substanz	1,2-Benzisothiazol-3(2H)-on; 1,2-Benzisothiazolin-3-on;1,2-Benzisothiazolin-3-on

Prüfmethode: OECD 406
Spezies: Meerschweinchen
Ergebnis: Schädliche Wirkungen beobachtet (sensibilisierende)

Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.

Keimzell-Mutagenität

Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.

Karzinogenität

Produkt / Substanz: Wasserstoffperoxid
Ergebnis: Keine schädlichen Wirkungen beobachtet

Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.

Reproduktionstoxizität

Produkt / Substanz: Wasserstoffperoxid
Ergebnis: Keine schädlichen Wirkungen beobachtet

Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.

Spezifische Zielorgan-Toxizität bei einmaliger Exposition

Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.

Spezifische Zielorgan-Toxizität bei wiederholter Exposition

Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.

Aspirationsgefahr

Produkt / Substanz: Wasserstoffperoxid

Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.

11.2. Angaben über sonstige Gefahren

Zusätzliche toxikologische Hinweise

Keine bekannt.

Endokrinschädlichen Eigenschaften

Diese Mischung/dieses Produkt enthält keine Substanzen, von denen angenommen wird, dass sie in Bezug auf die Gesundheit hormonstörende Eigenschaften aufweisen.

Sonstige Angaben

Wasserstoffperoxid : Der Stoff wurde von der IARC in Gruppe 3 eingestuft.

ABSCHNITT 12: UMWELTBEZOGENE ANGABEN

12.1. Toxizität

Produkt / Substanz: 2-(2-ethoxyethoxy)ethanol
Spezies: Bakterien
Prüfdauer: 16 hours
Ergebnis: > 5000 mg/L

Produkt / Substanz: 2-(2-ethoxyethoxy)ethanol
Prüfmethode: OECD 201
Spezies: Algen, *Desmodesmus subspicatus*
Prüfdauer: 96 Stunden
Test: EC50
Ergebnis: >100 mg/L

Produkt / Substanz: 2-(2-ethoxyethoxy)ethanol
Prüfmethode: OECD 202
Spezies: *Daphnia magna*
Prüfdauer: 48 Stunden
Test: EC50
Ergebnis: 1982 mg/L

Produkt / Substanz: 2-(2-ethoxyethoxy)ethanol
Prüfmethode: OECD 203

Spezies: Fisch, Ictalurus catus
 Prüfdauer: 96 Stunden
 Test: LC50
 Ergebnis: 6010 mg/L

Produkt / Substanz Wasserstoffperoxid
 Spezies: Fisch, Pimephales promelas
 Prüfdauer: 96 Stunden
 Test: LC50
 Ergebnis: 16,4 mg/L

Produkt / Substanz Wasserstoffperoxid
 Spezies: Fisch, Leuciscus idus
 Prüfdauer: 72 Stunden
 Test: LC50
 Ergebnis: 35 mg/L

Produkt / Substanz Wasserstoffperoxid
 Spezies: Fisch, Oncorhynchus mykiss
 Prüfdauer: 7 Tage
 Test: LC50
 Ergebnis: 38,5 mg/L

Produkt / Substanz Wasserstoffperoxid
 Spezies: Daphnia pulex
 Prüfdauer: 48 Stunden
 Test: EC50
 Ergebnis: 2,4 mg/L

Produkt / Substanz Wasserstoffperoxid
 Spezies: Daphnia magna
 Prüfdauer: 24 Stunden
 Test: EC50
 Ergebnis: 7,7 mg/L

Produkt / Substanz Wasserstoffperoxid
 Spezies: Skeletonema costatum
 Prüfdauer: 72 Stunden
 Test: EC50
 Ergebnis: 1,38 mg/L

Produkt / Substanz Wasserstoffperoxid
 Prüfmethode: OECD 209
 Spezies: Bakterien
 Umwelt-kompartiment : Aktivierte Kläranlage
 Prüfdauer: 30 minutes
 Test: EC50
 Ergebnis: 466 mg/L

Produkt / Substanz Wasserstoffperoxid
 Prüfmethode: OECD 209
 Spezies: Bakterien
 Umwelt-kompartiment : Aktivierte Kläranlage
 Prüfdauer: 3 Stunden
 Test: EC50
 Ergebnis: > 1.000 mg/L

Produkt / Substanz 1,2-Benzisothiazol-3(2H)-on; 1,2-Benzisothiazolin-3-on; 1,2-Benzisothiazolin-3-on
 Spezies: Fisch
 Prüfdauer: 96 Stunden
 Test: LC50

Ergebnis: >0.1-1 mg/L

Produkt / Substanz 1,2-Benzisothiazol-3(2H)-on; 1,2-Benzisothiazolin-3-on;1,2-Benzisothiazolin-3-on
Spezies: Krustentier
Prüfdauer: 48 Stunden
Test: EC50
Ergebnis: >0.1-1 mg/L

Produkt / Substanz 1,2-Benzisothiazol-3(2H)-on; 1,2-Benzisothiazolin-3-on;1,2-Benzisothiazolin-3-on
Spezies: Algen
Prüfdauer: 72 Stunden
Test: EC50
Ergebnis: >0.1-1 mg/L

Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.

12.2. Persistenz und Abbaubarkeit

Produkt / Substanz 2-(2-ethoxyethoxy)ethanol
Ergebnis: 100 %
Ergebnis: Leichte biologische Abbaubarkeit
Test: OECD 301 B

Produkt / Substanz Alcohol, C13, bran., EO, sulfate Na~
Ergebnis: > 60 %
Ergebnis: Leichte biologische Abbaubarkeit
Test: OECD 301 B

Produkt / Substanz Wasserstoffperoxid
Ergebnis: Leichte biologische Abbaubarkeit

Produkt / Substanz 1,2-Benzisothiazol-3(2H)-on; 1,2-Benzisothiazolin-3-on;1,2-Benzisothiazolin-3-on
Ergebnis: 90%
Ergebnis: Leichte biologische Abbaubarkeit
Test: OECD 302

Das in dieser Zubereitung enthaltene Tensid erfüllt (Die in dieser Zubereitung enthaltenen Tenside erfüllen) die Bedingungen der biologischen Abbaubarkeit wie sie in der Verordnung (EG) Nr. 648/2004 über Detergenzien festgelegt sind. Unterlagen, die dies bestätigen, werden für die zuständigen Behörden der Mitgliedsstaaten bereit gehalten und nur diesen entweder auf ihre direkte oder auf Bitte eines Detergentienherstellers hin zur Verfügung gestellt.

12.3. Bioakkumulationspotenzial

Produkt / Substanz 2-(2-ethoxyethoxy)ethanol
Ergebnis: Leichte biologische Abbaubarkeit

Produkt / Substanz 2-(2-ethoxyethoxy)ethanol
Ergebnis: -

Produkt / Substanz Wasserstoffperoxid
LogKow: -1,57
Ergebnis: -

Produkt / Substanz 1,2-Benzisothiazol-3(2H)-on; 1,2-Benzisothiazolin-3-on;1,2-Benzisothiazolin-3-on
BCF: 2
LogKow: 1.45
Ergebnis: Potenzial zur Bioakkumulation ist gering

12.4. Mobilität im Boden

Es liegen keine Daten vor.

12.5. Ergebnisse der PBT- und vPvB-Beurteilung

Diese Mischung/dieses Produkt enthält keine Substanzen, die den Kriterien für eine Klassifizierung als PBT- und/oder

vPvB-Stoff entsprechen.

12.6. Endokrinschädlichen Eigenschaften

Diese Mischung/dieses Produkt enthält keine Substanzen, von denen angenommen wird, dass sie in Bezug auf die Umwelt endokrinschädigende Eigenschaften aufweisen.

12.7. Andere schädliche Wirkungen

Keine bekannt.

ABSCHNITT 13: HINWEISE ZUR ENTSORGUNG

13.1. Verfahren der Abfallbehandlung

Das Produkt sollte als gefährlicher Abfall behandelt werden. (*)

HP 4 - reizend (Hautreizung und Augenschädigung)

VERORDNUNG (EU) Nr. 1357/2014 der Kommission vom 18. Dezember 2014 über Abfälle.

Abfallschlüsselnr. (EWC):

20 01 30

Reinigungsmittel mit Ausnahme derjenigen, die unter 20 01 29 fallen

Ungereinigte Verpackungen

Verpackungen mit Produktrückständen sind nach den gleichen Bedingungen zu entsorgen, wie das Produkt selbst.

ABSCHNITT 14: ANGABEN ZUM TRANSPORT

	14.1 UN	14.2 Ordnungsgemäße UN- Versandbezeichnung	14.3 Transportgefahrenklassen	14.4 PG*	14.5. Env**	Weitere Angaben:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Verpackungsgruppe

** Umweltgefahren

Anderes

Kein Gefahrgut nach ADR, IATA und IMDG.

14.6. Besondere Vorsichtsmaßnahmen für den Verwender

Nicht zutreffend.

14.7. Massengutbeförderung auf dem Seeweg gemäß IMO-Instrumenten

Es liegen keine Daten vor.

ABSCHNITT 15: RECHTSVORSCHRIFTEN

15.1. Vorschriften zu Sicherheit, Gesundheits- und Umweltschutz/spezifische Rechtsvorschriften für den Stoff oder das Gemisch

Nutzungsbeschränkungen:

Nur für gewerbliche Anwender.

Bedarf für spezielle Schulung:

Keine besonderen Anforderungen.

Der Störfallverordnung - Gefahrenkategorien / Namentlich aufgeführte gefährliche Stoffe:

Nicht zutreffend.

Verordnung von Ausgangsstoffen für Explosivstoffe:

Wasserstoffperoxid (Anhang I)

Kennzeichnung der Inhaltsstoffe gemäß Verordnung über Detergenzien 648/2004:

- >5% - <15%
- Nichtionische tenside
- < 5%
- Anionische Tenside
- Bleichmittel auf Sauerstoffbasis
- Duftstoffe
- Konservierungsmittel (BENZISOTHIAZOLINONE)

WGK-Einstufung:

Wassergefährdungsklasse: WGK 3

Anderes:

Das in dieser Zubereitung enthaltene Tensid erfüllt (Die in dieser Zubereitung enthaltenen Tenside erfüllen) die Bedingungen der biologischen Abbaubarkeit wie sie in der Verordnung (EG) Nr. 648/2004 über Detergenzien festgelegt sind. Unterlagen, die dies bestätigen, werden für die zuständigen Behörden der Mitgliedsstaaten bereit gehalten und nur diesen entweder auf ihre direkte oder auf Bitte eines Detergentienherstellers hin zur Verfügung gestellt.

Verwendete Quellen:

VERORDNUNG (EG) Nr. 648/2004 des Europäischen Parlaments und des Rates vom 31. März 2004 über Detergenzien.

VERORDNUNG (EU) Nr. 1357/2014 der Kommission vom 18. Dezember 2014 über Abfälle.

Verordnung (EU) 2019/1148 von Ausgangsstoffen für Explosivstoffe.

VERORDNUNG (EG) Nr. 1272/2008 des Europäischen Parlaments und des Rates vom 16. Dezember 2008 über die Einstufung, Kennzeichnung und Verpackung von Stoffen und Gemischen (CLP).

Verordnung (EG) Nr. 1907/2006 des Europäischen Parlaments und des Rates vom 18. Dezember 2006 zur Registrierung, Bewertung, Zulassung und Beschränkung chemischer Stoffe (REACH).

15.2. Stoffsicherheitsbeurteilung

Nein

ABSCHNITT 16: SONSTIGE ANGABEN

H-Sätze (Abschnitt 3)

- H271, Kann Brand oder Explosion verursachen; starkes Oxidationsmittel.
- H302, Gesundheitsschädlich bei Verschlucken.
- H314, Verursacht schwere Verätzungen der Haut und schwere Augenschäden.
- H315, Verursacht Hautreizungen.
- H318, Verursacht schwere Augenschäden.
- H319, Verursacht schwere Augenreizung.
- H332, Gesundheitsschädlich bei Einatmen.
- H335, Kann die Atemwege reizen.
- H336, Kann Schläfrigkeit und Benommenheit verursachen.
- H412, Schädlich für Wasserorganismen, mit langfristiger Wirkung.

Abkürzungen und Akronyme

- ADN = Europäisches Übereinkommen über die internationale Beförderung von gefährlichen Gütern auf Binnenwasserstrassen
- ADR = Europäisches Übereinkommen über die internationale Beförderung gefährlicher Güter auf der Strasse
- ak = andere kontrollpflichtige Abfälle
- akb = andere kontrollpflichtige Abfälle mit Begleitscheinpflicht
- ATE = Schätzwert akute Toxizität
- BCF = Biokonzentrationsfaktor
- CAS = Chemical Abstracts Service
- CE = Conformité Européenne (Europäische Konformität)
- CLP = Verordnung über die Einstufung, Kennzeichnung und Verpackung [Verordnung (EG) Nr. 1272/2008]
- CSA = Stoffsicherheitsbeurteilung
- CSR = Stoffsicherheitsbericht
- DMEL = Abgeleiteter Minimaler-Effekt-Grenzwert
- DNEL = Abgeleiteter Nicht-Effekt-Grenzwert
- EAK = Europäischer Abfallkatalog
- EINECS = Altstoffverzeichnis

ES = Expositionsszenario EUH-Satz = CLP-spezifischer Gefahrenhinweis
EuPCS = Europäisches Produktkategorisierungssystem
GHS = Global harmonisiertes System zur Einstufung und Kennzeichnung von Chemikalien
GWP = Potenzial zur Erwärmung der Erdatmosphäre
IATA = Internationale Flug-Transport-Vereinigung
IBC = Intermediate Bulk Container
IMDG = Gefährliche Güter im internationalen Seeschiffsverkehr
LogPow = Dekadischer Logarithmus des Oktanol-Wasser-Verteilungskoeffizienten
MARPOL = Internationales Übereinkommen von 1973 zur Verhütung der Meeresverschmutzung durch Schiffe in der Fassung des Protokolls von 1978. ("Marpol" = marine pollution)
nwg = Nicht wassergefährdend
OECD = Organisation für wirtschaftliche Zusammenarbeit und Entwicklung
PBT = Persistent, bioakkumulierbar und toxisch
PNEC = Abgeschätzte Nicht-Effekt-Konzentration
RID = Regelung zur internationalen Eisenbahnbeförderung gefährlicher Güter
RRN = REACH Registriernummer
S = Sonderabfälle
SCL = Spezifischen Konzentrationsgrenzwert.
SVHC = Besonders besorgniserregende Substanzen
STOT-RE = Spezifische Zielorgan-Toxizität - Wiederholte Exposition
STOT-SE = Spezifische Zielorgan-Toxizität - Einmalige Exposition
UN = Vereinte Nationen
UVCB = Stoffe mit unbekannter oder variabler Zusammensetzung, komplexe Reaktionsprodukte und biologische Materialien.
VOC = Flüchtige organische Verbindungen
vPvB = Sehr persistent und sehr bioakkumulierbar
WGK = Wassergefährdungsklasse

Anderes

Nicht zutreffend.

Sicherheitsdatenblatt abgenommen durch

Quality & Compliance

Anderes

Änderungen im Verhältnis zur letzten umfassenden Revision (erste Ziffer in der SDS-Version, s. Abschnitt 1) dieses Sicherheitsdatenblatts sind mit einem Dreieck markiert.

Angaben in diesem Sicherheitsdatenblatt gelten nur für das Produkt in Abschnitt 1 und gelten nicht unbedingt bei Einsatz zusammen mit anderen Produkten.

Es wird empfohlen, dem tatsächlichen Produktbenutzer dieses Sicherheitsdatenblatt auszuhändigen. Die erwähnten Angaben sind nicht als Produktspezifikation zu verwenden.

Land-sprache: AT-de

SAFETY DATA SHEET

i.1 all-purpose cleaner FlexDose

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

▼ *Trade name:*

i.1 all-purpose cleaner FlexDose

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses of the substance or mixture:

Washing and cleaning products (including solvent based products)
Restricted to professional users.

Uses advised against :

None known.

1.3. Details of the supplier of the safety data sheet

Company and address:

Hygeniq B.V.
Postbus 618
7500 AP Enschede
The Netherlands
+31 53 4282860
+31 53 5393865
www.hygeniq.com

E-mail:

info@hygeniq.com

SDS date:

27/6/2025

SDS Version:

2.0

Date of previous version:

2/6/2025 (1.0)

1.4. Emergency telephone number

In an emergency call 000

In less severe situations call the Poisons Information Centre: 13 11 26 (Available 24/7 from anywhere in Australia)

See section 4 "First aid measures".

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Not classified according to the Work Health and Safety Regulations.

2.2. Label elements

Hazard pictogram(s):

Not applicable.

Signal word:

Not applicable.

Hazard statement(s):

Not applicable.

Precautionary statement(s):

General:

-

Prevention:

-

Response:

-

Storage:

-

Disposal:

-

Hazardous substances:

Does not contain any substances required to report

Additional labelling:

Not applicable.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable. This product is a mixture.

3.2. Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
Alcohol, C13, bran., EO, sulfate Na~	CAS No.: 150413-26-6 EC No.: 688-316-0	1-3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319	
hydrogen peroxide	CAS No.: 7722-84-1 EC No.: 231-765-0	1-3%	Ox. Liq. 1, H271 Acute Tox. 4, H302 Skin Corr. 1A, H314 (SCL: 70.00 %) Skin Corr. 1B, H314 (SCL: 50.00 %) Skin Irrit. 2, H315 (SCL: 35.00 %) Eye Dam. 1, H318 (SCL: 8.00 %) Eye Irrit. 2, H319 (SCL: 5.00 %) Acute Tox. 4, H332 STOT SE 3, H336 (SCL: 35.00 %)	
citroenzuurmonohydraat	CAS No.: 5949-29-1 EC No.: 611-842-9	<0.1%	Eye Irrit. 2, H319	

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information

-

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General information:

In the case of accident: Contact a doctor or casualty department – bring the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

Inhalation:

In case of discomfort: bring the person into fresh air.

Skin contact:

Upon irritation: rinse with water. In the event of continued irritation, seek medical assistance.

Eye contact:

Rinse gently with lukewarm water. Remove any contact lenses if this is easy to do. Continue rinsing. In case of persistent eye irritation or discomfort: Seek medical help.

Ingestion:

Rinse and flush mouth thoroughly and consume large quantities of water. In case of continued discomfort: seek medical assistance and bring this safety data sheet.

Burns:

Not applicable.

4.2. Most important symptoms and effects, both acute and delayed

None known.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

Information to medics

Bring this safety data sheet or the label from this product.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Not applicable.

5.2. Special hazards arising from the substance or mixture

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

Carbon oxides (CO / CO₂)

5.3. Advice for firefighters

No specific requirements.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation, especially in confined areas.

Contaminated areas may be slippery.

6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.

Keep unauthorized persons away from the spill

6.3. Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections

See section 13 "Disposal considerations" on handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Smoking, drinking and consumption of food is not allowed in the work area.
See section 8 "Exposure controls/personal protection" for information on personal protection.

7.2. Conditions for safe storage, including any incompatibilities

Recommended storage material:

Keep only in original packaging.

Storage conditions:

Dry, cool and well ventilated

Incompatible materials:

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

hydrogen peroxide

Long term exposure limit (8 hours) (ppm): 1

Long term exposure limit (8 hours) (mg/m³): 1.4

Workplace exposure standards for airborne contaminants (Safe Work Australia). (January 2024)

8.2. Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

General recommendations:

Smoking, drinking and consumption of food is not allowed in the work area.

Exposure scenarios:

There are no exposure scenarios implemented for this product.

Exposure limits:

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

Appropriate technical measures:

The formation of vapours must be kept at a minimum and below current limit values (see above). Installation of a local exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure eyewash and emergency showers are clearly marked.

Apply standard precautions during use of the product. Avoid inhalation of vapours.

Hygiene measures:

Wash hands after use.

Measures to avoid environmental exposure:

No specific requirements.

Individual protection measures, such as personal protective equipment

Generally:

Use only protective equipment that carries the RCM symbol.

Respiratory Equipment:

Type	Class	Colour	Standards	
No special when used as intended.				

Skin protection:

Recommended	Type/Category	Standards	
No special when used as intended.	-	-	

Hand protection:

Work situation	Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
	No special when used as intended	-	-	-	
In the event of prolonged exposure or high concentrations	Cotton/Latex	-	> 120	EN374-2, EN16523-1, EN388	

Eye protection:

Work situation	Type	Standards	
	No special when used as intended.	-	
In the event of prolonged exposure or high concentrations	Safety glasses with side shields.	EN166	

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Form:

Liquid

Colour:

Colourless

Odour:

Of perfume

Odour threshold (ppm):

No data available.

pH:

ca. 4.8

Density (g/cm³):

1.02 (20 °C)

Kinematic viscosity:

No data available.

Particle characteristics:

Does not apply to liquids.

Phase changes

Melting point/Freezing point (°C):

No data available.

Softening point/range (°C):

Does not apply to liquids.

Boiling point (°C):

No data available.

Vapour pressure:

No data available.

Relative vapour density:

No data available.

Decomposition temperature (°C):

No data available.

Data on fire and explosion hazards

Flash point (°C):

No data available.

Flammability (°C):

No data available.

Auto-ignition temperature (°C):

No data available.

Explosion limits (% v/v):

No data available.

Solubility

Solubility in water:

Completely soluble

n-octanol/water coefficient (LogKow):

No data available.

Solubility in fat (g/L):

No data available.

9.2. Other information

Other physical and chemical parameters:

No data available.

Oxidizing properties:

No data available.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

10.2. Chemical stability

The product is stable under the conditions, noted in section 7 "Handling and storage".

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity

Product/substance	hydrogen peroxide
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	1.193 - 1.270 mg/L

Product/substance	hydrogen peroxide
Species:	Rabbit
Route of exposure:	Dermal
Test:	LD50
Result:	>2.000 (35% oplossing) mg/kg

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	500 mg/kg

Based on available data, the classification criteria are not met.

Skin corrosion/irritation

Product/substance	hydrogen peroxide
Result:	Adverse effect observed (Irritating)

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Test method:	OECD 404
Result:	Adverse effect observed (Irritating)

Based on available data, the classification criteria are not met.

Serious eye damage/irritation

Product/substance	hydrogen peroxide
Result:	Adverse effect observed (Causes serious eye damage)

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Test method:	OECD 405
Result:	Adverse effect observed (Causes serious eye damage)

Based on available data, the classification criteria are not met.

Respiratory sensitisation

Product/substance	hydrogen peroxide
Result:	No adverse effect observed (not sensitising)

Based on available data, the classification criteria are not met.

Skin sensitisation

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Test method:	OECD 429
Species:	Mouse
Result:	Adverse effect observed (sensitising)

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Test method:	OECD 406
Species:	Guinea pig
Result:	Adverse effect observed (sensitising)

Based on available data, the classification criteria are not met.

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Product/substance	hydrogen peroxide
Conclusion:	No adverse effect observed

Based on available data, the classification criteria are not met.

hydrogen peroxide has been classified by IARC as a group 3 carcinogen.

Reproductive toxicity

Product/substance	hydrogen peroxide
Conclusion:	No adverse effect observed

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Product/substance hydrogen peroxide

Based on available data, the classification criteria are not met.

Long term effects

None known.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Product/substance	hydrogen peroxide
Species:	Fish, Pimephales promelas
Duration:	96 hours
Test:	LC50
Result:	16,4 mg/L

Product/substance	hydrogen peroxide
Species:	Fish, Leuciscus idus
Duration:	72 hours
Test:	LC50
Result:	35 mg/L

Product/substance	hydrogen peroxide
Species:	Fish, Oncorhynchus mykiss
Duration:	7 days
Test:	LC50
Result:	38,5 mg/L

Product/substance	hydrogen peroxide
Species:	Daphnia pulex
Duration:	48 hours
Test:	EC50
Result:	2,4 mg/L

Product/substance	hydrogen peroxide
Species:	Daphnia magna
Duration:	24 hours
Test:	EC50
Result:	7,7 mg/L

Product/substance	hydrogen peroxide
Species:	Skeletonema costatum
Duration:	72 hours
Test:	EC50
Result:	1,38 mg/L

Product/substance	hydrogen peroxide
Test method:	OECD 209
Species:	Bacteria
Compartment:	Activated Sludge Plant
Duration:	30 minutes
Test:	EC50
Result:	466 mg/L

Conforms to Code of Practice - Preparation of safety data sheets for hazardous chemicals, June 2023.

Product/substance	hydrogen peroxide
Test method:	OECD 209
Species:	Bacteria
Compartment:	Activated Sludge Plant
Duration:	3 hours
Test:	EC50
Result:	> 1.000 mg/L

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Species:	Fish
Duration:	96 hours
Test:	LC50
Result:	>0.1-1 mg/L

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Species:	Crustacean
Duration:	48 hours
Test:	EC50
Result:	>0.1-1 mg/L

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Species:	Algae
Duration:	72 hours
Test:	EC50
Result:	>0.1-1 mg/L

Based on available data, the classification criteria are not met.

12.2. Persistence and degradability

Product/substance	Alcohol, C13, bran., EO, sulfate Na~
Result:	> 60 %
Conclusion:	Readily biodegradable
Test:	OECD 301 B

Product/substance	hydrogen peroxide
Conclusion:	Readily biodegradable

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Result:	90%
Conclusion:	Readily biodegradable
Test:	OECD 302

12.3. Bioaccumulative potential

Product/substance	hydrogen peroxide
LogKow:	-1,57
Conclusion:	-

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
BCF:	2
LogKow:	1.45
Conclusion:	Potential for bioaccumulation is low

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

12.6. Other adverse effects

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

Dispose of contents/container to an approved waste disposal plant.

Specific labelling

Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: TRANSPORT INFORMATION

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
ADG	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Packing group

** Environmental hazards

Additional information

Not dangerous goods according to ADR, IATA and IMDG.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

No data available.

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Restrictions for application:

Restricted to professional users.

Demands for specific education:

No specific requirements.

Control of major hazard facilities:

Not applicable.

Additional information:

Not applicable.

The Australian Inventory of Industrial Chemicals (AIIC):

Alcohol, C13, bran., EO, sulfate Na~ is listed

hydrogen peroxide is listed

1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one is listed

Sources:

Model Work Health and Safety Regulations as at 1 January 2021.

15.2. Chemical safety assessment

No

SECTION 16: OTHER INFORMATION

Full text of H-phrases as mentioned in section 3

H271, May cause fire or explosion; strong oxidiser.
H302, Harmful if swallowed.
H314, Causes severe skin burns and eye damage.
H315, Causes skin irritation.
H318, Causes serious eye damage.
H319, Causes serious eye irritation.
H332, Harmful if inhaled.
H336, May cause drowsiness or dizziness.

The full text of identified uses as mentioned in section 1

None known.

Abbreviations and acronyms

ADG = The Australian Code for the Transport of Dangerous Goods by Road & Rail
AICIS = Australian Industrial Chemicals Introduction Scheme
AIIC = Australian Inventory of Industrial Chemicals
AS = Australian Standard
AS/NZS = Australian New Zealand Standard
ATE = Acute Toxicity Estimate
AUH = Hazard statements specific for Australia
BCF = Bioconcentration Factor
CAS = Chemical Abstracts Service
EINECS = European Inventory of Existing Commercial chemical Substances
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
Hazchem = Hazardous chemicals
IARC = International Agency for Research on Cancer
IATA = International Air Transport Association
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
NICNAS = National Industrial Chemicals Notification and Assessment Scheme (replaced by AICIS since 2020)
OECD = Organisation for Economic Co-operation and Development
PBT = Persistent, Bioaccumulative and Toxic
RCM = Regulatory Mark of Conformity
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
SCL = A specific concentration limit
STEL = Short-term exposure limits
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
STOT-SE = Specific Target Organ Toxicity - Single Exposure
SUSMP = Standard for the Uniform Scheduling of Medicines and Poisons
TWA = Time weighted average
UN = United Nations
UVBC = Unknown or variable composition, complex reaction products or of biological materials
VOC = Volatile Organic Compound
vPvB = Very Persistent and Very Bioaccumulative
WHS = Work Health and Safety Regulations

Additional information

hydrogen peroxide
Long term exposure limit (8 hours) (ppm): 1
Long term exposure limit (8 hours) (mg/m³): 1.4

Not applicable.

The safety data sheet is validated by

Quality & Compliance

Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

Country-language: AU-en

БЕЗБЕДНОСНИ ЛИСТ

i.1 all-purpose cleaner FlexDose

ПОГЛАВЉЕ 1. ИДЕНТИФИКАЦИЈА ХЕМИКАЛИЈЕ И ПОДАЦИ О ЛИЦУ КОЈЕ СТАВЉА ХЕМИКАЛИЈУ У ПРОМЕТ

1.1. Идентификација хемикалије

▼ Комерцијално име:

i.1 all-purpose cleaner FlexDose

1.2. Идентификовани начини коришћења хемикалије и начини коришћења који се не препоручују

Употреба материјала/смеше:

Детерџенти и средства за чишћење (укључујући и оне на бази растварача)

Дозвољено само за професионално коришћење.

Употребе које се не препоручују:

Нема познатих.

1.3. Подаци о снабдевачу

Компанија и адреса:

Hygeniq B.V.

Postbus 618

7500 AP Enschede

The Netherlands

+31 53 4282860

+31 53 5393865

www.hygeniq.com

Електронска адреса:

info@hygeniq.com

Датум безбедносног листа:

27.6.2025.

Верзија безбедносног листа:

2.0

Датум претходне верзије:

2.6.2025. (1.0)

1.4. Број телефона за хитне случајеве

Телефонски број хитне помоћ: 124

Такође погледајте поглавље 4 за мере прве помоћи.

ПОГЛАВЉЕ 2. ИДЕНТИФИКАЦИЈА ОПАСНОСТИ

2.1. Класификација хемикалије

Није класификовано у складу са уредбом (ЕЗ) бр. 1272/2008 (CLP).

2.2. Елементи обележавања

Пиктограм опасности:

Није применљиво.

Реч упозорења:

Није применљиво.

Обавештење о опасности:

Није применљиво.

Обавештење о мерама предострожности:

Опште:

-

Превенција:

-

Реаговање:

-

Складиштење:

-

Одлагање:

-

Опасне материје:

Не садржи никакве супстанце које је потребно пријавити

Додатно обавештење о опасности:

EUN210, Безбедносни лист доступан на захтев.

Означавање садржана према ПРАВИЛНИК о детергентима:

>5% - <15%

· Нејонски сурфактанти

< 5%

· Анјонски сурфактанти

· Избељивачи на бази кисеоника

· Мириси

· Конзерванси (BENZISOTHAZOLINONE)

2.3. Остале опасности

Додатна упозорења:

Ова смеша/производ не садржи супстанце за које се сматра да испуњавају критеријуме да буду класификовани као ПБТ и/или вПвБ.

Овај производ не садржи материје које се сматрају ендокриним дисрумпторима у складу са критеријумима наведеним у Делегираној уредби Комисије (ЕУ) 2017/2100 или Уредби Комисије (ЕУ) 2023/707.

ПОГЛАВЉЕ 3. САСТАВ / ПОДАЦИ О САСТОЈЦИМА

3.1. Подаци о састојцима супстанце

Није применљиво. Овај производ је микстура.

3.2. Подаци о састојцима смеше

Хемијски назив	CAS / EC / индекса / REACH број	% w/w	Класификација	Напомена
Alcohol, C13, bran., EO, sulfate Na~	CAS бр.: 150413-26-6 EC бр.: 688-316-0 REACH: Индекс бр. :	1-3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 3, H412	
hydrogen peroxide	CAS бр.: 7722-84-1 EC бр.: 231-765-0 REACH: 01-2119485845-22-XXXX Индекс бр. : 008-003-00-9	1-3%	Ox. Liq. 1, H271 Acute Tox. 4, H302 Skin Corr. 1A, H314 (SCL: 70,00 %) Skin Corr. 1B, H314 (SCL: 50,00 %) Skin Irrit. 2, H315 (SCL: 35,00 %) Eye Dam. 1, H318 (SCL: 8,00 %) Eye Irrit. 2, H319 (SCL: 5,00 %) Acute Tox. 4, H332	

			STOT SE 3, H336 (SCL: 35,00 %)	
citroenzuurmonohydraat	CAS бр.: 5949-29-1 EC бр.: 611-842-9 REACH: 01-2119457026-42-XXXX Индекс бр. :	<0.1%	Eye Irrit. 2, H319	
Disodium tin hexahydroxide	CAS бр.: 12027-70-2 EC бр.: 234-724-5 REACH: 01-2120770924-45-XXXX Индекс бр. :	<0.05%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	[1]

Погледајте потпуни текст Х-израза у поглавље 16. Границе изложености током рада наведене су у поглавље 8, ако су доступне.

Остали подаци

[1] Европска граница изложености током рада.

ПОГЛАВЉЕ 4. МЕРЕ ПРВЕ ПОМОЋИ

4.1. Опис мера прве помоћи

Опште информације:

Уколико је дисање неправилно, и јавља се поспаност, губитак свести или грчеви: Позовите 124 и одмах почните са мерама помоћи (прва помоћ).

Ако имате сумње у вези са стањем повређене особе или ако симптоми потрају, обратите се лекару. Никад несвесној особи немојте давати воду или неко друго пиће.

После удисања:

Потешкоће са дисањем или иритација дисајних путева: Изведите особу на свеж ваздух и останите уз њу.

У додиру са кожом:

У случају иритације: исперите водом. У случају упорне иритације, потражите лекарску помоћ.

Након контакта са очима:

АКО ДОСПЕ У ОЧИ: Испирајте очи водом или сланом водом (20-30 °Ц) најмање 5 минута. Извадите контактна сочива. Потражите помоћ лекара и наставите са испирањем током транспорта.

Након гутања:

Ако је особа при свести, исперите уста водом и останите уз особу. У случају слабости, одмах потражите лекарску помоћ и донесите безбедносни лист или етикету са производа. Не изазивајте повраћање, осим ако то лекар не препоручи. Жртва би требало да се нагне напред са главом окренутом на доле како би избегла удисање или гушење садржајем повраћања.

Сагоревање:

Није применљиво.

4.2. Најважнији симптоми и ефекти, акутни и одложени

Нема познатих.

4.3. Хитна медицинска помоћ и посебан третман

Третирајте симптоматски.

Информације за здравствене раднике

Донесите безбедносно упутство .

ПОГЛАВЉЕ 5. МЕРЕ ЗА ГАШЕЊЕ ПОЖАРА

5.1. Средства за гашење пожара

Није применљиво.

5.2. Посебне опасности које могу настати од супстанци и смеша

Пожар ће довести до стварања густог дима. Излагање запаливим производима може наштетити вашем здрављу. Затворене посуде изложене ватри требало би охладити водом. Не дозволите да вода за гашење пожара доспе у канализацију и оближње површинске токове.

Уколико је производ изложен високим температурама, нпр. у случају пожара, настају опасна јединиња као резултат његовог распадања. То су:

Угљени оксиди (CO / CO₂)

5.3. Савет за ватрогасце

Нема посебних захтева.

ПОГЛАВЉЕ 6. МЕРЕ У СЛУЧАЈУ УДЕСА

6.1. Личне предострожности, заштитна опрема и поступци у случају удеса

Осигурајте адекватну вентилацију, посебно у затвореним просторима.

Контаминирани простор може бити клизав.

6.2. Предострожности које се односе на животну средину

Избегавајте испуштање у језера, потоке, канализације итд.

Неовлашћене особе држите подаље од изливања.

6.3. Мере које треба предузети и материјал за спречавање ширења и санацију

Користите песак, земљу, вермикулит, диятомейску земљу да бисте задржали и купили незапаливе упияјуће материяле и ставите у контејнер за одлагање, у складу са локалним прописима.

Чишћење се у мери у којој је то могуће обавља нормалним средствима за чишћење. Избегавајте употребу растварача.

6.4. Упућивање на друга поглавља

Погледајте поглавље 13 „Одлагање” у вези са поступком за отпад.

За заштитне мере погледајте поглавље 8 „Контрола изложености и лична заштита”.

ПОГЛАВЉЕ 7. РУКОВАЊЕ И СКЛАДИШТЕЊЕ

7.1. Предострожности за безбедно руковање

Пушење, и конзумирање хране и пића нису дозвољени у радном простору.

За информације о личној заштити погледајте поглавље „Контрола изложености и лична заштита”.

7.2. Услови за безбедно складиштење, укључујући некомпатибилности

Отворени контејнери се морају пажљиво затворити и држати усправно како би се спречило цурење.

Препоручени материјал за складиштење:

Чувати само у оригиналној амбалажи.

Температура складиштења:

Суво, хладно и добро проветравано

Некомпатибилни материјали:

Јаке киселине, јаке базе, јака оксидациона средства и јака редукциона средства.

7.3. Посебни начини коришћења

Овај производ би требало користити само за примене наведене у поглавље 1.2

ПОГЛАВЉЕ 8. КОНТРОЛА ИЗЛОЖЕНОСТИ И ЛИЧНА ЗАШТИТА

8.1. Параметри контроле изложености

hydrogen peroxide

Гранична вредност изложености на радном месту (ГВИ) (mg/m³): 1.4

Гранична вредност изложености на радном месту (ГВИ) (ppm): 1

Краткотрајна гранична вредност изложености (КГВИ) (mg/m³): 2.8

Краткотрајна гранична вредност изложености (КГВИ) (ppm): 2

Правилник о превентивним мјерама за безбедан и здрав рад при излагању хемијским материјама (Службени гласник Републике Српске, број 4/20)

DNEL

1,2-benzisothiazol-3(2H)-one, 1,2-benzisothiazolin-3-one

Трајање:	Пут експозиције:	DNEL:
Дугорочно - Системски - Потрошач	Дерматолошки	0.345 mg/kg
Дугорочно - Системски - Радник	Дерматолошки	966 µg/kg/дан
Дугорочно - Системски - Потрошач	Инхалацијски	1.2 mg/m ³
Дугорочно - Системски - Радник	Инхалацијски	6.81 mg/m ³

Disodium tin hexahydroxide

Трајање:	Пут експозиције:	DNEL:
Дугорочно - Системски - Потрошач	Дерматолошки	1.21 mg/kg/дан
Дугорочно - Системски - Радник	Дерматолошки	3.37 mg/kg/дан
Дугорочно - Системски - Потрошач	Инхалацијски	1.78 mg/m ³
Дугорочно - Системски - Радник	Инхалацијски	11.9 mg/m ³
Дугорочно - Системски - Потрошач	Орално	1.21 mg/kg/дан

hydrogen peroxide

Трајање:	Пут експозиције:	DNEL:
Акутно - Локално - Потрошач	Инхалацијски	1.93 mg/m ³
Акутно - Локално - Радник	Инхалацијски	3 mg/m ³
Дугорочно - Локално - Потрошач	Инхалацијски	0.21 mg/m ³
Дугорочно - Локално - Потрошач	Инхалацијски	210 µg/m ³
Дугорочно - Локално - Радник	Инхалацијски	1.4 mg/m ³

PNEC

1,2-benzisothiazol-3(2H)-one, 1,2-benzisothiazolin-3-one

Пут експозиције:	Трајање изложености:	PNEC:
Морска вода		403 ng/L
Периодично ослобађање (Морска вода)		110 ng/L
Периодично ослобађање (слатка вода)		1.1 µg/L
Постројењима за пречишћавање отпадних вода		1.03 mg/L
Седимент мора		4.99 µg/kg
Седимент слатке воде		49.9 µg/kg
Слатка вода		4.03 µg/L
Тло		3 mg/kg

Disodium tin hexahydroxide

Пут експозиције:	Трајање изложености:	PNEC:
Морска вода		3.31 µg/L
Периодично ослобађање (Морска вода)		33.1 µg/L
Периодично ослобађање (слатка вода)		331 µg/L
Постројењима за пречишћавање отпадних вода		10 mg/L
Седимент мора		139.46 µg/kg
Седимент слатке воде		1.395 mg/kg

Слатка вода		33.1 µg/L
hydrogen peroxide		
Пут експозиције:	Трајније изложености:	PNEC:
Морска вода		0,047 mg/L
Морска вода		12.6 µg/L
Периодично ослобађање (слатка вода)		13.8 µg/L
Постројењима за пречишћавање отпадних вода		4.66 mg/L
Постројењима за пречишћавање отпадних вода		4.66 mg/L
Седимент мора		0,047 mg/L
Седимент мора		47 µg/kg
Седимент слатке воде		0,047 mg/kg
Седимент слатке воде		47 µg/kg
Слатка вода		0,0126 mg/L
Слатка вода		12.6 µg/L
Тло		0,023 mg/kg
Тло		2.3 µg/kg

8.2. Контрола изложености и лична заштита

Поштовање утврђених вредности ограничења излагања током рада би требало редовно контролисати.

Опште препоруке:

Пушење, и конзумирање хране и пића нису дозвољени у радном простору.

Сценарији излагања:

За овај производ нису имплементирани сценарији изложености.

Границе излагања:

Професионални корисници подлежу законски утврђеним максималним концентрацијама излагања током рада. Погледајте у тексту изнад граничне вредности хигијене на раду.

Одговарајући технички уређаји за управљање:

Формирање паре мора бити минимално и испод тренутних граничних вредности (види горе). Препоручује се уградња локалног издувног система ако нормалан проток ваздуха у радној соби није довољан. Проверите да ли је испирање очију и туширање у хитним случајевима јасно означено.

Примените стандардне мере предострожности током употребе производа. Избегавајте удисање испарења.

Хигијенске мере:

Сви изложени делови тела морају да се темелјно оперу у интервалима између употребе производа и на крају радног дана. Обратите посебну пажњу на руке, подлактице и лице.

Мере спречавања контакта са животном средином:

Нема посебних захтева.

Опште мере заштите и хигијене

Генерално:

Користите само заштитну опрему са знаком CE.

Заштита дисајних путева:

Тип	Класа	Боя	Стандарди	
Nema posebnih propisa kada se koristi kako je predvidjeno				

Заштита тела:

Препоручено	Тип / Категорија	Стандарди	
Nema posebnih propisa kada se koristi	-	-	

Препоручено	Тип / Категорија	Стандарди	
kako je predvidjeno			

Заштитне руке:

Радна ситуација	Материјал	Дебљина рукавице	Време продирања (Минути)	Стандарда	
	Nema posebnih propisa kada se koristi kako je predvidjeno	-	-	-	
У случају продуженог излагања или високе концентрације	Ramuk/Нитрилни каучук	-	> 120	EN374-2, EN16523-1, EN388	

Заштита очију/лица:

Радна ситуација	Тур	Стандарди	
	Nema posebnih propisa kada se koristi kako je predvidjeno	-	
У случају продуженог излагања или високе концентрације	Заштитне наочаре са бочним штитницима	EN166	

ПОГЛАВЉЕ 9. ФИЗИЧКА И ХЕМИЈСКА СВОЈСТВА

9.1. Подаци о основним физичким и хемијским својствима хемикалије

Изгледу - агрегатно стање:

Течно

Боји:

Безбойно

Мирису / Прагу мириса (ppm):

Парфем

pH:

са. 4.8

Релативна густина (g/cm³):

1,02 (20 °C)

Вискозитет:

Нема доступних података.

Карактеристике честица:

Не односи се на течности

Фазне промене

Тачка топљења / тачка мржњења (°C):

Нема доступних података.

Тачка/опсег омекшавања (°C):

Не односи се на течности

Почетна тачка кључања и опсег кључања (°C):

Нема доступних података.

Напон паре:

Нема доступних података.

Густина паре:

Нема доступних података.

Температура разлагања (°C):

Нема доступних података.

Подаци о опасностима од пожара и експлозије

Запаљивост (чврсто, гасовито):

Нема доступних података.

Тачка паљења (°C):

Нема доступних података.

Температура самопаљења (°C):

Нема доступних података.

Горња / доња граница запаљивости или експлозивности (%v/v):

Нема доступних података.

Растворљивост

Растворљивост у вода:

У потпуности растворљив

Коефицијент расподеле у систему n-октанол/вода (LogKow):

Нема доступних података.

Растворљивост у масти (g/L):

Нема доступних података.

9.2. Остали подаци

Остали физички и хемијски параметри:

Нема доступних података.

Нема доступних података.

ПОГЛАВЉЕ 10. СТАБИЛНОСТ И РЕАКТИВНОСТ

10.1. Реактивност

Нема доступних података.

10.2. Хемијска стабилност

Производ је стабилан под условима наведеним у одељку 7 „Руковање и складиштење“.

10.3. Могућност настанка опасних реакција

Нема познатих.

10.4. Услови које треба избегавати

Нема познатих.

10.5. Некомпатибилни материјали

Јаке киселине, јаке базе, јака оксидациона средства и јака редукциона средства.

10.6. Опасни производи разградње

У нормалним условима складиштења и употребе не би требало да дође до стварања опасних продуката распадања.

ПОГЛАВЉЕ 11. ТОКСИКОЛОШКИ ПОДАЦИ

11.1. Подаци о токсичним ефектима

Акутна токсичност

Хемијски назив	hydrogen peroxide
Врсте:	Пацов
Пут експозиције:	Орално
Тест:	LD50
Вредност:	1.193 - 1.270 mg/L

Хемијски назив	hydrogen peroxide
Врсте:	Зец
Пут експозиције:	Дерматолошки
Тест:	LD50
Вредност:	>2.000 (35% oplossing) mg/kg

Хемијски назив	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Врсте:	Пацов
Пут експозиције:	Орално
Тест:	LD50
Вредност:	500 mg/kg

На основу доступних података, критеријуми за класификацију нису испуњени.

Корозивно оштећење коже / иритација

Хемијски назив	hydrogen peroxide
Вредност:	Установљени су негативни ефекти (Иритантан)

Хемијски назив	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Метод тестирања:	ОЕЦД 404
Вредност:	Установљени су негативни ефекти (Иритантан)

На основу доступних података, критеријуми за класификацију нису испуњени.

Тешко оштећење ока / иритација ока

Хемијски назив	hydrogen peroxide
Вредност:	Установљени су негативни ефекти (Доводи до тешког оштећења ока)

Хемијски назив	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Метод тестирања:	ОЕЦД 405
Вредност:	Установљени су негативни ефекти (Доводи до тешког оштећења ока)

На основу доступних података, критеријуми за класификацију нису испуњени.

Сензибилизација коже

Хемијски назив	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Метод тестирања:	ОЕЦД 429
Врсте:	Миш
Вредност:	Установљени су негативни ефекти (сензибилизација)

Хемијски назив	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Метод тестирања:	ОЕЦД 406
Врсте:	Заморче
Вредност:	Установљени су негативни ефекти (сензибилизација)

На основу доступних података, критеријуми за класификацију нису испуњени.

Сензибилизација респираторних органа

Хемијски назив	hydrogen peroxide
Вредност:	Нису установљени негативни ефекти (не сензибилизација)

На основу доступних података, критеријуми за класификацију нису испуњени.

Мутагеност геринативних ћелија

На основу доступних података, критеријуми за класификацију нису испуњени.

Карциногеност

Хемијски назив	hydrogen peroxide
Закључак:	Нису установљени негативни ефекти

На основу доступних података, критеријуми за класификацију нису испуњени.

Токсичност по репродукцију

Хемијски назив	hydrogen peroxide
Закључак:	Нису установљени негативни ефекти

На основу доступних података, критеријуми за класификацију нису испуњени.

Специфична токсичност за циљни орган - једнократна изложеност

На основу доступних података, критеријуми за класификацију нису испуњени.

Специфична токсичност за циљни орган - вишекратна изложеност

На основу доступних података, критеријуми за класификацију нису испуњени.

Опасност од аспирације

Хемијски назив hydrogen peroxide

На основу доступних података, критеријуми за класификацију нису испуњени.

11.2. Информације о другим опасностима

Dugoročni efekti

Нема познатих.

Угрожава рад ендокриних жлезда

Ова смеша/производ не садржи никакве материје за које се сматра да имају својства изазивања хормонског поремећаја.

Додатне информације

hydrogen peroxide по IARC класификацији спада у групу 3

ПОГЛАВЉЕ 12. ЕКОТОКСИКОЛОШКИ ПОДАЦИ

12.1. Токсичност

Хемијски назив	hydrogen peroxide
Врсте:	Рибе, Pimephales promelas
Трајанье:	96 сати
Тест:	LC50
Вредност:	16,4 mg/L

Хемијски назив	hydrogen peroxide
Врсте:	Рибе, Leuciscus idus
Трајанье:	72 сати
Тест:	LC50
Вредност:	35 mg/L

Хемијски назив	hydrogen peroxide
Врсте:	Рибе, Oncorhynchus mykiss
Трајанье:	7 дана
Тест:	LC50
Вредност:	38,5 mg/L

Хемијски назив	hydrogen peroxide
Врсте:	Daphnia pulex
Трајанье:	48 сати
Тест:	EC50
Вредност:	2,4 mg/L

Хемијски назив	hydrogen peroxide
Врсте:	Daphnia magna
Трајанье:	24 сати
Тест:	EC50
Вредност:	7,7 mg/L

Хемијски назив	hydrogen peroxide
Врсте:	Skeletonema costatum
Трајанье:	72 сати
Тест:	EC50
Вредност:	1,38 mg/L

Хемијски назив	hydrogen peroxide
Метод тестирања:	ОЕЦД 209

Врсте:	Бактерије
Окружење:	Постройење са активираним муљем
Трајање:	30 minutes
Тест:	EC50
Вредност:	466 mg/L

Хемијски назив	hydrogen peroxide
Метод тестирања:	ОЕЦД 209
Врсте:	Бактерије
Окружење:	Постройење са активираним муљем
Трајање:	3 сати
Тест:	EC50
Вредност:	> 1.000 mg/L

Хемијски назив	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Врсте:	Рибе
Трајање:	96 сати
Тест:	LC50
Вредност:	>0.1-1 mg/L

Хемијски назив	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Врсте:	Ракови
Трајање:	48 сати
Тест:	EC50
Вредност:	>0.1-1 mg/L

Хемијски назив	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Врсте:	Алге
Трајање:	72 сати
Тест:	EC50
Вредност:	>0.1-1 mg/L

На основу доступних података, критеријуми за класификацију нису испуњени.

12.2. Перзистентност и разградљивост

Хемијски назив	Alcohol, C13, bran., EO, sulfate Na~
Вредност:	> 60 %
Закључак:	Лако биоразградива материја
Тест:	ОЕЦД 301 Б

Хемијски назив	hydrogen peroxide
Закључак:	Лако биоразградива материја

Хемијски назив	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Вредност:	90%
Закључак:	Лако биоразградива материја
Тест:	OECD 302

12.3. Потенцијал биоакумулације

Хемијски назив	hydrogen peroxide
LogKow:	-1,57
Закључак:	-

Хемијски назив	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
BCF:	2
LogKow:	1.45
Закључак:	Потенцијал за биоакумулацију је низак

12.4. Мобилност у земљишту

Нема доступних података.

12.5. Резултати ПБТ и вПвБ процене

Ова смеша/производ не садржи супстанце за које се сматра да испуњавају критеријуме да буду класификовани као ПБТ и/или вПвБ.

12.6. Угрожава рад ендокриних жлезда

Ова смеша/производ не садржи никакве материје за које се када се нађу унутар животне средине сматра да имају својства ометања ендокриног система.

12.7. Остали штетни ефекти

Нема познатих.

ПОГЛАВЉЕ 13. ОДЛАГАЊЕ

Методe третмана отпада

На производ се односе прописи о опасном отпаду. (*)

НР 4 - Надражујуће (иритација коже и оштећење очију)

Правилник о категоријама, испитивању и класификацији отпада (Службени гласник Републике Српске, број 19/15 и 79/18).

Код европског каталога отпада (EWЦ)

20 01 30 детерџенти другачији од оних наведених у 20 01 29

Специфично означавање

Контаминирани амбалаже

Амбалажа која садржи остатке производа мора се одложити на исти начин као и производ.

ПОГЛАВЉЕ 14. ПОДАЦИ О ТРАНСПОРТУ

	14.1 UN	14.2 Назив за терет у транспорту	14.3 Класа	14.4 PG*	14.5. Env**	Остали подаци:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Група паковања

** Опасност по животну средину

Додатне информације

Није опасна роба према ADR, IATA и IMDG.

14.6. Посебне предострожности за корисника

Није применљиво.

14.7. Транспорт у расутом стању (Анексу ИИ Међународне конвенције за спречавање загађења из бродова и ИБЦ Цоде)

Нема доступних података.

ПОГЛАВЉЕ 15. РЕГУЛАТОРНИ ПОДАЦИ

15.1. Прописи у вези са безбедношћу, здрављем и животном средином

Ограничења за примену:

Дозвољено само за професионално коришћење.

Захтеви за специфичним образовањем:

Нема посебних захтева.

Означавање садржана према ПРАВИЛНИК о детерџентима:

>5% - <15%

· Нејонски сурфактанти

< 5%

- Анјонски сурфактанти
- Избелјивачи на бази кисеоника
- Мириси
- Конзерванси (BENZISOTHAZOLINONE)

Додатне информације:

Сурфактант(и) садржани у овом препарату је(су) у складу са критеријумима биоразградивости утврђеним у уредби (ЕЗ) бр. 648/2004 о детердженцима. Подаци који поткрепљују ову тврдњу стоје на располагању надлежним властима држава чланица и биће им доступни на њихов директни захтев или на захтев произвођача детерджената.

Извори:

Правилник о детердженцима (Службени гласник Републике Српске, број 14/19).

Правилник о категоријама, испитивању и класификацији отпада (Службени гласник Републике Српске, број 19/15 и 79/18).

Правилник о класификацији, обилежавању и паковању хемикалија (Службени гласник Републике Српске, бр. 118/20).

Закон о хемикалијама (Службени гласник Републике Српске, бр. 21/18).

15.2. Процена безбедности хемикалије.

Не

ПОГЛАВЉЕ 16. ОСТАЛИ ПОДАЦИ

Комплетан текст Х-фразе како је наведено у поглавље 3

H271, Може да изазове пожар или експлозију; јако оксидујуће средство.

H302, Штетно ако се прогута.

H314, Изазива тешке опекотине коже и оштећење ока.

H315, Изазива иритацију коже.

H318, Доводи до тешког оштећења ока.

H319, Доводи до јаке иритације ока.

H332, Штетно ако се удише.

H335, Може да изазове иритацију респираторних органа.

H336, Може да изазове поспаност и несвестицу.

H412, Штетно за живи свет у води са дуготрајним последицама.

Скраћенице и акроними

ADR = Европски споразум о међународном друмском превозу опасне робе

ATE = Процена акутне токсичности

BCF = Фактор биоконцентрације

CAS = Служба хемијских сажеатака

CE = европска усаглашеност

CLP = Уредба о класификацији, означавању и паковању [Уредба (ЕЗ) бр. 1272/2008]

CSA = Процена хемијске безбедности

CSR = Извештај о хемијској безбедности

CTOT = Специфична циљна токсичност органа

DMEL = Изведени минимални ниво ефекта

DNEL = Изведени ниво без ефекта

EINECS = Европски инвентар постојећих комерцијалних хемијских супстанци

ES = Сценарио изложености

EUH izjava = ЦЛП-специфична изјава о опасности

EUPCS = Европски систем категоризације производа

EWЦ = Европски каталог отпада

GHS = Глобално усклађени систем класификације и обележавања хемикалија

GWP (ГВП) = Потенцијал глобалног загревања

IARC = Међународна агенција за истраживање рака

IATA = Међународно удружење за ваздушни саобраћај

IBC = Средњи контејнер за расути терет

IMDG = Међународна поморска опасна роба

LogPow = Логаритам коефицијента раздвајања октанол/вода

MARPOL = Међународна конвенција о спречавању загађења са бродова из 1973. године, измењена протоколом

из 1978. („Marpol“ = загађење мора)

ОЕЦД = Организација за Економску Царадњу и Дазвой

ПБТ = Истрајан, биоакумулативан и токсичан

PNEC = Предвиђена концентрација без ефекта

RID = Прописи који се тичу међународног превоза опасне робе железницом

RRN = REACH регистрациони број

SCL = има одређену границу концентрације.

SVHC = Веома забринјавајуће супстанце

STOT-RE = Специфична циљна токсичност органа - понављана излагања

STOT-SE = Специфична циљна токсичност органа - појединачна излагања

TWA = Временски пондерисан просек

UN = Уједињене нације

UVBC = Непознат или променљив састав, сложени продукти реакције или биолошки материјали

VOC = Нестабилно органско јединијење

вПвБ = Веома трајно и врло биоакумулативно

Додатне информације

Није применљиво.

Безбедносни лист потврђује

Quality & Compliance

Остали подаци

Промена (сразмерно последњој суштинској промени (прва шифра у верзији СДС, погледајте поглавље 1)) обележена је троуглом.

Подаци у овом безбедносном упутству односе се само на овај одређени производ (поменут у поглавље 1) и нису нужно тачни за употребу са другим хемикалијама/производима.

Препоручује се да ово безбедносно упутство дате стварном кориснику производа. Информације у овом безбедносном упутству не могу се користити као спецификације производа.

Земља-језик: BA-sr

FICHE DE DONNÉES DE SÉCURITÉ

i.1 all-purpose cleaner FlexDose

RUBRIQUE 1: IDENTIFICATION DE LA SUBSTANCE/DU MÉLANGE ET DE LA SOCIÉTÉ/DE L'ENTREPRISE

1.1. Identificateur de produit

▼ *Marque commerciale:*

i.1 all-purpose cleaner FlexDose

1.2. Utilisations identifiées pertinentes de la substance ou du mélange et utilisations déconseillées

Utilisations identifiées pertinentes de la substance ou du mélange:

Produits de lavage et de nettoyage (y compris produits à base de solvants)

Réservé aux utilisateurs professionnels.

Utilisations déconseillées :

Aucune connue.

1.3. Renseignements concernant le fournisseur de la fiche de données de sécurité

Nom et adresse de l'entreprise:

Hygeniq B.V.

Postbus 618

7500 AP Enschede

The Netherlands

+31 53 4282860

+31 53 5393865

www.hygeniq.com

Courriel:

info@hygeniq.com

Révision:

27/06/2025

Version de la fiche de données de sécurité:

2.0

Date de la précédente édition:

2/06/2025 (1.0)

1.4. Numéro d'appel d'urgence

Centre Antipoisons: +32 (0) 70 245 245 (7 jours sur 7, 24 heures sur 24)

Voir la rubrique 4 concernant premiers secours.

RUBRIQUE 2: IDENTIFICATION DES DANGERS

2.1. Classification de la substance ou du mélange

Non classé selon le Règlement (CE) n° 1272/2008.

2.2. Éléments d'étiquetage

Pictogramme(s) de danger:

Sans objet.

Mention d'avertissement:

Sans objet.

Mention(s) de danger:

Sans objet.

Conseil(s) de prudence:

Générales:

-

Précautions:

-

Intervention:

-

Stockage:

-

Élimination:

-

Contient:

Ne contient pas de substances dont la déclaration est obligatoire

Autre étiquetage:

EUH210, Fiche de données de sécurité disponible sur demande.

Étiquetage du contenu conformément au règlement (CE) no 648/2004 relatif aux détergents (applicable aux emballages de détergents vendus au grand public):

>5% - <15%

· Agents de surface non ioniques

< 5%

· Agents de surface anioniques

· Agents de blanchiment oxygénés

· Parfums

· Agent de conservation (BENZISOTHIAZOLINONE)

2.3. Autres dangers

Autre:

Ce mélange/produit ne contient aucune substance considérée comme répondant aux critères de classification comme PBT et/ou vPvB.

Ce produit ne contient aucune substance considérée comme étant un perturbateur endocrinien conformément aux critères définis dans le règlement délégué (UE) 2017/2100 ou le règlement (UE) 2023/707 de la Commission.

RUBRIQUE 3: COMPOSITION/INFORMATIONS SUR LES COMPOSANTS

3.1. Substances

Sans objet. Ce produit est un mélange.

3.2. Mélanges

Produit/composant	Identifiants	% w/w	Classification	Note
Alcohol, C13, bran., EO, sulfate Na~	N° CAS : 150413-26-6 N° CE: 688-316-0 REACH: N° index :	1-3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 3, H412	
peroxyde d'hydrogène ; eau oxygénée	N° CAS : 7722-84-1 N° CE: 231-765-0 REACH: 01-2119485845-22-XXXX N° index : 008-003-00-9	1-3%	Ox. Liq. 1, H271 Acute Tox. 4, H302 Skin Corr. 1A, H314 (SCL: 70,00 %) Skin Corr. 1B, H314 (SCL: 50,00 %) Skin Irrit. 2, H315 (SCL: 35,00 %) Eye Dam. 1, H318 (SCL: 8,00 %) Eye Irrit. 2, H319 (SCL: 5,00 %) Acute Tox. 4, H332	

			STOT SE 3, H336 (SCL: 35,00 %)	
citroenzuurmonohydraat	N° CAS : 5949-29-1 N° CE: 611-842-9 REACH: 01-2119457026-42-XXXX N° index :	<0.1%	Eye Irrit. 2, H319	
Disodium tin hexahydroxide	N° CAS : 12027-70-2 N° CE: 234-724-5 REACH: 01-2120770924-45-XXXX N° index :	<0.05%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	[1]

Le texte intégral des phrases H se trouve dans la rubrique 16. Les limites d'exposition professionnelle sont indiquées dans la rubrique 8, à condition d'être disponibles

Autres informations

[1] Limite européenne d'exposition professionnelle.

RUBRIQUE 4: PREMIERS SECOURS

4.1. Description des mesures de premiers secours

Généralités:

En cas d'accident : Contactez un médecin ou l'hôpital ou Centre Antipoisons: +32 (0) 70 245 245 (7 jours sur 7, 24 heures sur 24), apportez l'étiquette ou bien la présente fiche de données de sécurité.

En cas de symptômes persistants ou en cas de doute concernant l'état de la personne blessée, faites appel à un médecin. Ne donnez jamais à boire de l'eau ou autre liquide à une personne ayant perdu connaissance.

Inhalation:

En cas de difficultés respiratoires ou d'irritation des voies respiratoires : Amenez la personne à l'air frais et gardez la personne sous surveillance.

Contact cutané:

En cas d'irritation : rincez le produit. En cas d'irritation continue : Consultez un médecin.

Contact visuel:

En cas de contact avec les yeux : Rincez aussitôt avec de l'eau (20-30 °C) pendant 5 minutes. Retirez les éventuelles lentilles de contact de la victime . Demandez l'assistance d'un médecin.

Ingestion:

Si la personne est consciente, rincez-lui la bouche avec de l'eau et restez avec elle. Ne donnez jamais rien à boire à la personne. En cas de malaise : contactez immédiatement un médecin et apportez-lui la présente fiche de données de sécurité ou l'étiquette du produit. Ne faites pas vomir, à moins que le médecin ne le recommande. Maintenez la tête tournée vers le bas de manière à ce que les vomissures ne reviennent pas dans la bouche et la gorge.

Brûlure:

Sans objet.

4.2. Principaux symptômes et effets, aigus et différés

Aucune connue.

4.3. Indication des éventuels soins médicaux immédiats et traitements particuliers nécessaires

Traiter selon les symptômes.

Informations pour le médecin

Apportez la présente fiche de données de sécurité ou l'étiquette du produit.

RUBRIQUE 5: MESURES DE LUTTE CONTRE L'INCENDIE

5.1. Moyens d'extinction

Sans objet.

5.2. Dangers particuliers résultant de la substance ou du mélange

Le feu va dégager une épaisse fumée. L'exposition aux produits de décomposition représente un danger pour la santé. Les récipients fermés exposés au feu sont refroidis avec de l'eau. Ne laissez pas de l'eau ayant servi à éteindre l'incendie s'écouler dans les égouts et les cours d'eau.

Si le produit est exposé à de hautes températures, par exemple en cas d'incendie, de dangereux produits gazeux de décomposition peuvent être créés. Il s'agit de :

Les oxydes de carbone (CO / CO₂)

5.3. Conseils aux pompiers

Pas d'exigences particulières.

RUBRIQUE 6: MESURES À PRENDRE EN CAS DE DISPERSION ACCIDENTELLE

6.1. Précautions individuelles, équipement de protection et procédures d'urgence

Assurer une ventilation adéquate, en particulier dans les espaces confinés.

Les zones contaminées peuvent être glissantes.

6.2. Précautions pour la protection de l'environnement

Ne déversez pas dans les lacs, les ruisseaux, les égouts, etc.

Tenir les personnes non autorisées éloignées du déversement.

6.3. Méthodes et matériel de confinement et de nettoyage

Contenez et collectez les déversements avec un matériau absorbant non combustible, par exemple du sable, de la terre, de la vermiculite ou de la terre de diatomées, et placez-les dans un récipient pour les éliminer conformément aux réglementations locales.

Nettoyez autant que possible avec des produits de nettoyage ordinaires. Évitez les solvants.

6.4. Référence à d'autres rubriques

Voir la rubrique 13 "Considérations relatives à l'élimination" sur la manipulation des déchets.

Voir la rubrique 8 "Contrôles de l'exposition/protection individuelle" pour les mesures de protection.

RUBRIQUE 7: MANIPULATION ET STOCKAGE

7.1. Précautions à prendre pour une manipulation sans danger

La consommation de tabac, de nourriture et de boissons n'est pas permise dans les locaux de travail.

Voir la rubrique 8 «Contrôles de l'exposition/protection individuelle» pour des renseignements sur les dispositifs de protection individuelle.

7.2. Conditions d'un stockage sûr, y compris d'éventuelles incompatibilités

Les récipients ayant été ouverts doivent être refermés avec soin et maintenus en position verticale afin d'éviter les fuites.

Les compatibilités en matière de conditionnement:

Conserver uniquement dans l'emballage d'origine.

Conditions de stockage:

Sec, frais et bien ventilé

Matières incompatibles:

Acides forts, bases fortes, oxydants forts et des réducteurs forts.

7.3. Utilisation(s) finale(s) particulière(s)

Ce produit doit être utilisé exclusivement pour les applications décrites la rubrique 1.2.

RUBRIQUE 8: CONTRÔLES DE L'EXPOSITION/PROTECTION INDIVIDUELLE

8.1. Paramètres de contrôle

peroxyde d'hydrogène ; eau oxygénée

Valeur limite (8 heures) (VLEP) (mg/m³): 1,4

Valeur limite (8 heures) (VLEP) (ppm): 1

Liste de valeurs limites d'exposition aux agents chimiques (L'AR du mai 2021).

DNEL

1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one

Durée :	Voie d'exposition :	DNEL :
Effets systématiques à long terme - population globale	Cutanée	0.345 mg/kg
Effets systématiques à long terme - Travailleurs	Cutanée	966 µg/kg/jour
Effets systématiques à long terme - population globale	Inhalation	1.2 mg/m ³
Effets systématiques à long terme - Travailleurs	Inhalation	6.81 mg/m ³

Disodium tin hexahydroxide

Durée :	Voie d'exposition :	DNEL :
Effets systématiques à long terme - population globale	Cutanée	1.21 mg/kg/jour
Effets systématiques à long terme - Travailleurs	Cutanée	3.37 mg/kg/jour
Effets systématiques à long terme - population globale	Inhalation	1.78 mg/m ³
Effets systématiques à long terme - Travailleurs	Inhalation	11.9 mg/m ³
Effets systématiques à long terme - population globale	Orale	1.21 mg/kg/jour

peroxyde d'hydrogène ; eau oxygénée

Durée :	Voie d'exposition :	DNEL :
Effets locaux à court terme - population globale	Inhalation	1.93 mg/m ³
Effets locaux à court terme - Travailleurs	Inhalation	3 mg/m ³
Effets locaux à long terme - population globale	Inhalation	0.21 mg/m ³
Effets locaux à long terme - population globale	Inhalation	210 µg/m ³
Effets locaux à long terme - Travailleurs	Inhalation	1.4 mg/m ³

PNEC

1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one

Voie d'exposition :	Durée d'exposition :	PNEC :
Eau de mer		403 ng/L
Eau douce		4.03 µg/L
Emission intermittente (eau douce)		1.1 µg/L
Installation de traitement des eaux usées		1.03 mg/L
Rejets intermittents (eau de marines)		110 ng/L
Sédiments en eau de marines		4.99 µg/kg
Sédiments en eau douce		49.9 µg/kg
Sol		3 mg/kg

Disodium tin hexahydroxide

Voie d'exposition :	Durée d'exposition :	PNEC :
Eau de mer		3.31 µg/L
Eau douce		33.1 µg/L
Emission intermittente (eau douce)		331 µg/L
Installation de traitement des eaux usées		10 mg/L
Rejets intermittents (eau de marines)		33.1 µg/L
Sédiments en eau de marines		139.46 µg/kg

Sédiments en eau douce		1.395 mg/kg
peroxyde d'hydrogène ; eau oxygénée		
Voie d'exposition :	Durée d'exposition :	PNEC :
Eau de mer		0,047 mg/L
Eau de mer		12.6 µg/L
Eau douce		0,0126 mg/L
Eau douce		12.6 µg/L
Emission intermittente (eau douce)		13.8 µg/L
Installation de traitement des eaux usées		4.66 mg/L
Installation de traitement des eaux usées		4.66 mg/L
Sédiments en eau de marines		0,047 mg/L
Sédiments en eau de marines		47 µg/kg
Sédiments en eau douce		0,047 mg/kg
Sédiments en eau douce		47 µg/kg
Sol		0,023 mg/kg
Sol		2.3 µg/kg

8.2. Contrôles de l'exposition

Le respect des valeurs limites indiquées doit être contrôlé régulièrement.

Précautions générales:

La consommation de tabac, de nourriture et de boissons n'est pas permise dans les locaux de travail.

Scénarios d'exposition:

Aucun scénario d'exposition n'est mis en œuvre pour ce produit.

Limite d'exposition:

Les utilisateurs professionnels sont concernés par la législation sur l'environnement de travail qui concerne les concentrations maximales auxquelles il est permis d'être exposé. Voir les valeurs limites d'hygiène de travail indiquées ci-dessus.

Mesures techniques:

La formation de vapeur doit être minimale et rester sous les valeurs limites actuelles (voir ci-dessus). Si l'aération n'est pas suffisante dans la pièce, l'installation d'un système local de ventilation est recommandée. Assurez-vous que les douches oculaires et les douches d'urgence sont clairement indiquées.

Suivez les précautions habituelles quand vous utilisez le produit. Évitez de respirer les vapeurs.

Mesures d'hygiène:

A chaque pause lors de l'utilisation du produit et une fois le travail terminé, les parties exposées du corps doivent être lavées. Porter une attention particulière aux mains, aux avant-bras et au visage.

Mesures pour la limitation de l'exposition à l'environnement:

Pas d'exigences particulières.

Mesures de protection individuelle, telles que les équipement de protection personnelle

Généralités:

Utilisez exclusivement des équipements de protection comportant la marque CE.

Équipements respiratoires:

Type	Classe	Couleur	Normes	
Rien de spécial quand utilisé tel que prévu.				

Protection de la peau:

Recommandé	Type/Catégorie	Normes	
Rien de spécial quand utilisé tel que prévu	-	-	

Protection des mains:

Situation de travail	Matériel	Épaisseur minimum (mm)	Délai de rupture (min.)	Normes	
	Rien de spécial quand utilisé tel que prévu	-	-	-	
En cas d'exposition prolongée ou de concentration élevée	Coton / Caoutchouc naturel	-	> 120	EN374-2, EN16523-1, EN388	

Protection des yeux:

Situation de travail	Type	Normes	
	Rien de spécial quand utilisé tel que prévu.	-	
En cas d'exposition prolongée ou de concentration élevée	Porter des lunettes de sécurité avec protections latérales.	EN166	

RUBRIQUE 9: PROPRIÉTÉS PHYSIQUES ET CHIMIQUES

9.1. Informations sur les propriétés physiques et chimiques essentielles

Etat physique:

Liquide

Couleur:

Incolore

Odeur / Seuil olfactif (ppm):

De parfum

pH:

ca. 4.8

Densité (g/cm³):

1,02 (20 °C)

Viscosité cinématique:

Aucune information disponible.

Caractéristiques des particules:

Ne s'applique pas aux liquides.

Changement d'état

Point de fusion/point de congélation (°C):

Aucune information disponible.

Le point/l'intervalle de ramollissement (°C):

Ne s'applique pas aux liquides.

Point d'ébullition (°C):

Aucune information disponible.

Pression de vapeur:

Aucune information disponible.

Densité de vapeur relative :

Aucune information disponible.

Température de décomposition (°C):

Aucune information disponible.

Informations concernant les risques d'explosion et d'incendie

Point d'éclair (°C):

Aucune information disponible.

Inflammabilité (°C):

Aucune information disponible.

Température d'auto-inflammation (°C):

Aucune information disponible.

Limite d'explosivité (% v/v):

Aucune information disponible.

Solubilité

Solubilité dans l'eau:

Complètement soluble

n-octanol/coefficient d'eau (LogKow):

Aucune information disponible.

Solubilité dans la graisse (g/L):

Aucune information disponible.

9.2. Autres informations

D'autres paramètres physiques et chimiques:

Aucune information disponible.

Capacités oxydantes:

Aucune information disponible.

RUBRIQUE 10: STABILITÉ ET RÉACTIVITÉ

10.1. Réactivité

Aucune information disponible.

10.2. Stabilité chimique

Le produit est stable dans les conditions indiquées à la rubrique 7 (Manipulation et stockage).

10.3. Possibilité de réactions dangereuses

Aucune connue.

10.4. Conditions à éviter

Aucune connue.

10.5. Matières incompatibles

Acides forts, bases fortes, oxydants forts et des réducteurs forts.

10.6. Produits de décomposition dangereux

Dans des conditions normales de stockage et d'utilisation, aucun produit de décomposition dangereux ne doit être produit.

RUBRIQUE 11: INFORMATIONS TOXICOLOGIQUES

11.1. Informations sur les classes de danger telles que définies dans le règlement (CE) n° 1272/2008

Toxicité aiguë

Produit/composant	peroxyde d'hydrogène ; eau oxygénée
Espèce :	Rat
Voie d'exposition :	Orale
Test :	DL50
Valeur :	1.193 - 1.270 mg/L

Produit/composant	peroxyde d'hydrogène ; eau oxygénée
Espèce :	Lapin
Voie d'exposition :	Cutanée
Test :	DL50

Valeur : >2.000 (35% oplossing) mg/kg

Produit/composant 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one
Espèce : Rat
Voie d'exposition : Orale
Test : DL50
Valeur : 500 mg/kg

Compte tenu des données disponibles, les critères de classification ne sont pas remplis.

Corrosion cutanée/irritation cutanée

Produit/composant peroxyde d'hydrogène ; eau oxygénée
Valeur : Effets nocifs observés (Irritant)

Produit/composant 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one
Méthode d'essai : OCDE 404
Valeur : Effets nocifs observés (Irritant)

Compte tenu des données disponibles, les critères de classification ne sont pas remplis.

Lésions oculaires graves/irritation oculaire

Produit/composant peroxyde d'hydrogène ; eau oxygénée
Valeur : Effets nocifs observés (Provoque de graves lésions des yeux)

Produit/composant 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one
Méthode d'essai : OCDE 405
Valeur : Effets nocifs observés (Provoque de graves lésions des yeux)

Compte tenu des données disponibles, les critères de classification ne sont pas remplis.

Sensibilisation respiratoire

Produit/composant peroxyde d'hydrogène ; eau oxygénée
Valeur : Aucun effet nocif observé (pas sensibilisant)

Compte tenu des données disponibles, les critères de classification ne sont pas remplis.

Sensibilisation cutanée

Produit/composant 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one
Méthode d'essai : OCDE 429
Espèce : Souris
Valeur : Effets nocifs observés (sensibilisant)

Produit/composant 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one
Méthode d'essai : OCDE 406
Espèce : Cochon d'Inde
Valeur : Effets nocifs observés (sensibilisant)

Compte tenu des données disponibles, les critères de classification ne sont pas remplis.

Mutagénicité sur les cellules germinales

Compte tenu des données disponibles, les critères de classification ne sont pas remplis.

Cancérogénicité

Produit/composant peroxyde d'hydrogène ; eau oxygénée
Conclusion : Aucun effet nocif observé

Compte tenu des données disponibles, les critères de classification ne sont pas remplis.

Toxicité pour la reproduction

Produit/composant peroxyde d'hydrogène ; eau oxygénée
Conclusion : Aucun effet nocif observé

Compte tenu des données disponibles, les critères de classification ne sont pas remplis.

Toxicité spécifique pour certains organes cibles — exposition unique

Compte tenu des données disponibles, les critères de classification ne sont pas remplis.

Toxicité spécifique pour certains organes cibles – exposition répétée

Compte tenu des données disponibles, les critères de classification ne sont pas remplis.

Danger par aspiration

Produit/composant peroxyde d'hydrogène ; eau oxygénée
Compte tenu des données disponibles, les critères de classification ne sont pas remplis.

11.2. Informations sur les autres dangers

Effets sur le long terme

Aucune connue.

Propriétés perturbant le système endocrinien

Ce mélange/produit ne contient aucune substance considérée comme ayant des propriétés qui provoquent des troubles hormonaux vis-à-vis de la santé.

Autres informations

peroxyde d'hydrogène ; eau oxygénée : La substance a été classée dans le groupe 3 par le CIRC.

RUBRIQUE 12: INFORMATIONS ÉCOLOGIQUES

12.1. Toxicité

Produit/composant peroxyde d'hydrogène ; eau oxygénée
Espèce : Poisson, Pimephales promelas
Durée : 96 heures
Test : CL50
Valeur : 16,4 mg/L

Produit/composant peroxyde d'hydrogène ; eau oxygénée
Espèce : Poisson, Leuciscus idus
Durée : 72 heures
Test : CL50
Valeur : 35 mg/L

Produit/composant peroxyde d'hydrogène ; eau oxygénée
Espèce : Poisson, Oncorhynchus mykiss
Durée : 7 jours
Test : CL50
Valeur : 38,5 mg/L

Produit/composant peroxyde d'hydrogène ; eau oxygénée
Espèce : Daphnia pulex
Durée : 48 heures
Test : CE50
Valeur : 2,4 mg/L

Produit/composant peroxyde d'hydrogène ; eau oxygénée
Espèce : Daphnia magna
Durée : 24 heures
Test : CE50
Valeur : 7,7 mg/L

Produit/composant peroxyde d'hydrogène ; eau oxygénée
Espèce : Skeletonema costatum
Durée : 72 heures
Test : CE50
Valeur : 1,38 mg/L

Produit/composant peroxyde d'hydrogène ; eau oxygénée
Méthode d'essai : OCDE 209
Espèce : Bactéries
Milieu environnemental : Installation à boue activée
Durée : 30 minutes
Test : CE50
Valeur : 466 mg/L

Produit/composant	peroxyde d'hydrogène ; eau oxygénée
Méthode d'essai :	OCDE 209
Espèce :	Bactéries
Milieu environnemental :	Installation à boue activé
Durée :	3 heures
Test :	CE50
Valeur :	> 1.000 mg/L

Produit/composant	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one
Espèce :	Poisson
Durée :	96 heures
Test :	CL50
Valeur :	>0.1-1 mg/L

Produit/composant	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one
Espèce :	Crustacés
Durée :	48 heures
Test :	CE50
Valeur :	>0.1-1 mg/L

Produit/composant	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one
Espèce :	Algues
Durée :	72 heures
Test :	CE50
Valeur :	>0.1-1 mg/L

Compte tenu des données disponibles, les critères de classification ne sont pas remplis.

12.2. Persistance et dégradabilité

Produit/composant	Alcohol, C13, bran., EO, sulfate Na~
Valeur :	> 60 %
Conclusion :	Biodégradabilité facile
Test :	OCDE 301 B

Produit/composant	peroxyde d'hydrogène ; eau oxygénée
Conclusion :	Biodégradabilité facile

Produit/composant	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one
Valeur :	90%
Conclusion :	Biodégradabilité facile
Test :	OECD 302

Le(s) agent(s) de surface contenu(s) dans cette préparation respecte(nt) les critères de biodégradabilité définis dans le règlement (CE) no 648/2004 relatif aux détergents. Les données prouvant cette affirmation sont tenues à la disposition des autorités compétentes des Etats Membres et leur seront fournies à leur demande expresse ou à la demande du producteur de détergents.

12.3. Potentiel de bioaccumulation

Produit/composant	peroxyde d'hydrogène ; eau oxygénée
LogKow :	-1,57
Conclusion :	-

Produit/composant	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one
BCF:	2
LogKow :	1.45
Conclusion :	Le potentiel de bioaccumulation est faible

12.4. Mobilité dans le sol

Aucune information disponible.

12.5. Résultats des évaluations PBT et vPvB

Ce mélange/produit ne contient aucune substance considérée comme répondant aux critères de classification comme

PBT et/ou vPvB.

12.6. Propriétés perturbant le système endocrinien

Ce mélange/produit ne contient pas de composants considérés comme ayant des propriétés perturbatrices du système endocrinien

12.7. Autres effets néfastes

Aucune connue.

RUBRIQUE 13: CONSIDÉRATIONS RELATIVES À L'ÉLIMINATION

13.1. Méthodes de traitement des déchets

Le produit est couvert par la réglementation sur les déchets dangereux. (*)

HP 4 - Irritant (irritation cutanée et lésions oculaires)

Règlement (UE) n° 1357/2014 de la Commission du 18 décembre 2014 relative aux déchets.

Code CED:

20 01 30

Détergents autres que ceux visés à la rubrique 20 01 29

Emballages pollués

Les emballages avec des résidus de produit sont éliminés en suivant les mêmes règles que pour le produit lui-même.

RUBRIQUE 14: INFORMATIONS RELATIVES AU TRANSPORT

	14.1 ONU	14.2 Désignation officielle de transport	14.3 Classe(s) de danger pour le transport	14.4 PG*	14.5. Env**	Autres information s :
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Groupe d'emballage

** Dangers pour l'environnement

Autre

Marchandises non dangereuses conformément à ADR, IATA et IMDG.

14.6. Précautions particulières à prendre par l'utilisateur

Sans objet.

14.7. Transport maritime en vrac conformément aux instruments de l'OMI

Aucune information disponible.

RUBRIQUE 15: INFORMATIONS RELATIVES À LA RÉGLEMENTATION

15.1. Réglementations/législation particulières à la substance ou au mélange en matière de sécurité, de santé et d'environnement

Limites d'utilisation:

Réservé aux utilisateurs professionnels.

Demandes de formation spécifique:

Pas d'exigences particulières.

Protection contre les accidents majeurs - Catégories / Substances dangereuses désignées:

Sans objet.

Règlement relatif aux précurseurs d'explosifs:

peroxyde d'hydrogène ; eau oxygénée (Annexe I)

Étiquetage du contenu conformément au règlement (CE) no 648/2004 relatif aux détergents:

>5% - <15%

· Agents de surface non ioniques

< 5%

· Agents de surface anioniques

· Agents de blanchiment oxygénés

· Parfums

· Agent de conservation (BENZISOTHIAZOLINONE)

Autre:

Le(s) agent(s) de surface contenu(s) dans cette préparation respecte(nt) les critères de biodégradabilité définis dans le règlement (CE) no 648/2004 relatif aux détergents. Les données prouvant cette affirmation sont tenues à la disposition des autorités compétentes des Etats Membres et leur seront fournies à leur demande expresse ou à la demande du producteur de détergents.

Sources:

Règlement (CE) n° 648/2004 du Parlement européen et du Conseil du 31 mars 2004 relatif aux détergents.

Règlement (UE) n° 1357/2014 de la Commission du 18 décembre 2014 relative aux déchets.

Règlement (UE) 2019/1148 relatif aux précurseurs d'explosifs.

Règlement (CE) n° 1272/2008 du Parlement européen et du Conseil du 16 décembre 2008 relatif à la classification, à l'étiquetage et à l'emballage des substances et des mélanges (CLP).

Règlement (CE) n° 1907/2006 du Parlement européen et du Conseil du 18 décembre 2006 concernant l'enregistrement, l'évaluation et l'autorisation des substances chimiques, ainsi que les restrictions applicables à ces substances (REACH).

15.2. Évaluation de la sécurité chimique

Non

RUBRIQUE 16: AUTRES INFORMATIONS

Précisions sur les phrases H dont il est question dans la rubrique 3

H271, Peut provoquer un incendie ou une explosion; comburant puissant.

H302, Nocif en cas d'ingestion.

H314, Provoque de graves brûlures de la peau et de graves lésions des yeux.

H315, Provoque une irritation cutanée.

H318, Provoque de graves lésions des yeux.

H319, Provoque une sévère irritation des yeux.

H332, Nocif par inhalation.

H335, Peut irriter les voies respiratoires.

H336, Peut provoquer somnolence ou vertiges.

H412, Nocif pour les organismes aquatiques, entraîne des effets néfastes à long terme.

Abréviations et acronymes

ADN = Accord européen relatif au transport international des marchandises Dangereuses par voie de Navigation intérieure

ADR = L'Accord européen relatif au transport international des marchandises Dangereuses par Route

CAS = Chemical Abstracts Service

CE = Conformité Européenne

CVI = Conteneurs en Vrac Intermédiaires

CLP = Règlement 1272/2008/CE relatif à la classification, à l'étiquetage et à l'emballage des substances et des mélanges

COV = Composés Organiques Volatils

CPSE = Concentration Prédite Sans Effet

CSA = Evaluation de la Sécurité Chimique

CSR = Rapport sur la Sécurité Chimique

DMEL = Dose dérivée avec effet minimum

DNEL = Dose dérivée sans effet

ds = les déchets spéciaux

EINECS = Inventaire européen des substances chimiques commerciales existantes

ETA = Estimation de la Toxicité Aiguë

EuPCS = Système européen de catégorisation des produits

FBC = Facteur de Bioconcentration

Mention EUH = mention de danger spécifique CLP
IARC = Le Centre international de Recherche sur le Cancer (CIRC)
IATA = Association Internationale du Transport Aérien
code IMDG = code maritime international des marchandises dangereuses
LogKoe = Coefficient de partage octanol/eau
MARPOL = Convention internationale pour la prévention de la pollution par les navires de 1973, telle que modifiée par le Protocole de 1978. ("MARPOL" = pollution maritime)
NU = Nations Unies
OCDE = Organisation de Coopération et de Développement Economiques
PBT = Persistantes, Bioaccumulables et Toxiques
PRP = Le potentiel de réchauffement planétaire
REACH = Règlement sur l'enregistrement, l'évaluation, l'autorisation et les restrictions des substances chimiques [Règlement (CE) N° 1907/2006]
RID = Règlement concernant le transport International ferroviaire des marchandises Dangereuses
RRN = Numéro d'enregistrement REACH
sc = les autres déchets soumis à contrôle
scd = autres déchets soumis à contrôle qui nécessitent un document de suivi
SCL = Limite de concentration spécifique (LCS).
SE = Scenario d'Exposition
SGH = Système Général Harmonisé de classification et d'étiquetage des produits chimiques
SVHC = Substances extrêmement préoccupantes
TDAA = Température de décomposition auto-accélérée
vPvB = Très Persistant et très Bioaccumulable
TSOC-ER = Toxicité Spécifique pour certains Organes Cibles - Exposition Répétée
TSOC-EU = Toxicité Spécifique pour certains Organes Cibles - Exposition Unique
TWA = Moyenne pondérée dans le temps
UVBC = Substances de composition inconnue ou variable, produits de réaction complexes ou matières biologiques

Autre

Sans objet.

Validé par

Quality & Compliance

Autre

Les modifications par rapport à la dernière révision importante (premiers chiffres dans la fiche, voir rubrique 1) de cette fiche de données de sécurité sont repérées par un triangle.
Les informations de la présente fiche de données de sécurité sont seulement valables pour ce produit (indiqué à la rubrique 1) et ne sont pas nécessairement valables pour l'utilisation d'autres produits/produits chimiques.
Il est recommandé de donner cette fiche de données de sécurité à l'utilisateur effectif du produit. Les informations de ce document ne peuvent pas être utilisées comme spécification du produit.
Pays-langue : BE-fr

VEILIGHEIDSINFORMATIEBLAD

i.1 all-purpose cleaner FlexDose

RUBRIEK 1: IDENTIFICATIE VAN DE STOF OF HET MENGSEL EN VAN DE VENNOOTSCHAP/ONDERNEMING

1.1. Productidentificatie

▼ *Handelsnaam:*

i.1 all-purpose cleaner FlexDose

1.2. Relevant geïdentificeerd gebruik van de stof of het mengsel en ontraden gebruik

Relevant geïdentificeerd gebruik van de stof of het mengsel:

Was- en reinigingsmiddelen (inclusief op oplosmiddelbasis)

Uitsluitend voor gebruik door professionele gebruiker.

Ontraden gebruik :

Niet bekend.

1.3. Details betreffende de verstrekker van het veiligheidsinformatieblad

Firmanaam en adres:

Hygeniq B.V.

Postbus 618

7500 AP Enschede

The Netherlands

+31 53 4282860

+31 53 5393865

www.hygeniq.com

E-mailadres:

info@hygeniq.com

Herziening:

27/06/2025

SDS-versie:

2.0

Datum vorige uitgave:

2/06/2025 (1.0)

1.4. Telefoonnummer voor noodgevallen

Antigifcentrum: +32 (0) 70 245 245 (elke dag, 24 op 24 uur)

Zie rubriek 4 over eerstehulpmaatregelen.

RUBRIEK 2: IDENTIFICATIE VAN DE GEVAREN

2.1. Indeling van de stof of het mengsel

Niet geclassificeerd volgens de Verordening (EG) Nr.1272/2008 (CLP).

2.2. Etiketteringselementen

Gevarenpictogram(men):

Niet van toepassing.

Signaalwoord:

Niet van toepassing.

Gevarenaanduidingen:

Niet van toepassing.

Veiligheidsaanbevelingen:

Algemeen:

-

Preventie:

-

Reactie:

-

Opslag:

-

Verwijdering:

-

Stoffen waarvoor meldingsplicht geldt:

Bevat geen informatieplichtige stoffen

Andere opmerkingen:

EUH210, Veiligheidsinformatieblad op verzoek verkrijgbaar.

Etikettering van de inhoud in overeenstemming met detergentiaverordening EG nr. 648/2004 (van toepassing op verpakkingen van wasmiddelen die aan het grote publiek worden verkocht):

>5% - <15%

· Niet-ionogene oppervlakteactieve stoffen

< 5%

· Anionogene oppervlakteactieve stoffen

· Zuurstofbleekmiddelen

· Parfums

· Conserveermiddel (BENZISOTHIAZOLINONE)

2.3. Andere gevaren

Overig:

Dit mengsel/product bevat geen stoffen die aan de criteria voldoen om ze als PBT en/of zPzB te classificeren.

Dit product bevat geen stoffen die worden beschouwd als hormoonverstorende stoffen volgens de criteria van Gedelegeerde Verordening (EU) 2017/2100 van de Commissie of Verordening (EU) 2023/707 van de Commissie.

RUBRIEK 3: SAMENSTELLING EN INFORMATIE OVER DE BESTANDDELEN

3.1. Stoffen

Niet van toepassing. Dit product is een mengsel.

3.2. Mengsels

Product / ingrediënt	Identificatiemogelijkheden	% w/w	Classificatie	Opm.
Alcohol, C13, bran., EO, sulfate Na~	CAS Nr.: 150413-26-6 EG Nr: 688-316-0 REACH: Catalogusnr.:	1-3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 3, H412	
waterstofperoxide	CAS Nr.: 7722-84-1 EG Nr: 231-765-0 REACH: 01-2119485845-22-XXXX Catalogusnr.: 008-003-00-9	1-3%	Ox. Liq. 1, H271 Acute Tox. 4, H302 Skin Corr. 1A, H314 (SCL: 70,00 %) Skin Corr. 1B, H314 (SCL: 50,00 %) Skin Irrit. 2, H315 (SCL: 35,00 %) Eye Dam. 1, H318 (SCL: 8,00 %) Eye Irrit. 2, H319 (SCL: 5,00 %) Acute Tox. 4, H332 STOT SE 3, H336 (SCL: 35,00 %)	

citroenzuurmonohydraat	CAS Nr.: 5949-29-1 EG Nr: 611-842-9 REACH: 01-2119457026-42-XXXX Catalogusnr.:	<0.1%	Eye Irrit. 2, H319	
Disodium tin hexahydroxide	CAS Nr.: 12027-70-2 EG Nr: 234-724-5 REACH: 01-2120770924-45-XXXX Catalogusnr.:	<0.05%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	[1]

De volledige tekst van de gevarenaanduidingen staat in rubriek 16. Arbeidshygiënische grenswaarden zijn genoemd in rubriek 8, voor zover ze van toepassing zijn.

Andere informatie

[1] Europese grenswaarde voor beroepsmatige blootstelling.

RUBRIEK 4: EERSTEHULPMAATREGELEN

4.1. Beschrijving van de eerstehulpmaatregelen

Algemeen:

Bij ongelukken: Contacteer een arts of het Antigifcentrum: +32 (0) 70 245 245 (elke dag, 24 op 24 uur). Neem het etiket van het product of dit veiligheidsblad mee.

Bij aanhoudende symptomen of twijfel over de toestand van het slachtoffer moet er een arts ingeschakeld worden. Geef een bewusteloze persoon nooit water of iets dergelijks.

Bij inademen:

Als men moeilijkheden vaststelt tijdens de ademhaling of irritatie van de luchtwegen: Breng de persoon naar buiten en houd hem in de gaten.

Bij huidcontact:

Bij irritatie: Was het product eraf. Bij aanhoudende irritatie: Ga naar een arts.

Bij oogcontact:

Bij contact met de ogen: Spoel direct met water (20-30 °C) gedurende minstens 5 minuten. Verwijder eventuele contactlenzen. Ga naar de dokter.

Bij inslikken:

Als de persoon bij bewustzijn is, spoel dan de mond met water en blijf bij de persoon. Neem direct contact op met de dokter als de persoon zich niet goed voelt en neem dit veiligheidsblad mee of het etiket van het product. Lok het braken, niet uit, behalve als de arts dat adviseert. Laat het hoofd naar voor zakken zodat eventueel braaksel niet terugloopt in mond en hals.

Bij verbranding:

Niet van toepassing.

4.2. Belangrijkste acute en uitgestelde symptomen en effecten

Niet bekend.

4.3. Vermelding van eventueel noodzakelijke onmiddellijke medische verzorging en speciale behandeling

Symptomatisch behandelen.

Informatie voor de arts

Neem dit veiligheidsblad met of het etiket van het materiaal gegevens mee.

RUBRIEK 5: BRANDBESTRIJDINGSMAATREGELEN

5.1. Blusmiddelen

Niet van toepassing.

5.2. Speciale gevaren die door de stof of het mengsel worden veroorzaakt

Brand zal dichte rook ontwikkelen. Blootstelling aan afbraakproducten kan een gevaar voor de gezondheid opleveren. Gesloten houders die blootgesteld worden aan vuur, afkoelen met water. Laat het bluswater niet in riolering of waterleiding wegllopen.

Als het product wordt blootgesteld aan hoge temperaturen, bv. in situaties van brand, kunnen er gevaarlijke afbraakproducten ontstaan. Deze zijn:

Carbonoxiden (CO / CO₂)

5.3. Advies voor brandweerlieden

Geen bijzondere eisen.

RUBRIEK 6: MAATREGELEN BIJ HET ACCIDENTEEL VRIJKOMEN VAN DE STOF OF HET MENGSEL

6.1. Persoonlijke voorzorgsmaatregelen, beschermingsmiddelen en noodprocedures

Zorg voor voldoende ventilatie, vooral in afgesloten ruimten.

Verontreinigde gebieden kunnen glad zijn.

6.2. Milieuvorzorgsmaatregelen

Voorkom weglopen naar meren, rivieren, riolering, e.d.

Houd onbevoegden uit de buurt van het gemorste product.

6.3. Insluitings- en reinigingsmethoden en -materiaal

Verzamel gemorst materiaal met onbrandbaar, absorberend materiaal, bijvoorbeeld zand, aarde, vermiculiet of diatomeeënaarde en doe het in een container voor verwijdering volgens de lokale voorschriften.

Schoonmaken wordt voor zover mogelijk met schoonmaakmiddelen gedaan. Vermijd oplosmiddelen.

6.4. Verwijzing naar andere rubrieken

Zie het rubriek "Instructies voor verwijdering" over hoe om te gaan met afval.

Zie het rubriek over 8 "Maatregelen ter beheersing van blootstelling/persoonlijke bescherming" voor beschermingsregelingen.

RUBRIEK 7: HANTERING EN OPSLAG

7.1. Voorzorgsmaatregelen voor het veilig hanteren van de stof of het mengsel

Roken, eten en drinken is niet toegestaan in arbeidslokalen.

Zie de rubriek "Maatregelen ter beheersing van blootstelling/persoonlijke bescherming" voor informatie over persoonlijke bescherming.

7.2. Voorwaarden voor een veilige opslag, met inbegrip van incompatibele producten

Containers die zijn geopend dienen zorgvuldig te worden afgesloten en rechtop te worden opgeslagen om lekkage te voorkomen.

Compatibele verpakkingen:

Uitsluitend in de oorspronkelijke verpakking bewaren.

Opslag condities:

Droog, koel en goed geventileerd

Chemisch op elkaar inwerkende materialen:

Sterke zuren, sterke basen, sterke oxidatiemiddelen en sterke reductiemiddelen.

7.3. Specifiek eindgebruik

Dit product mag alleen worden gebruikt voor de doeleinden zoals beschreven in rubriek 1.2.

RUBRIEK 8: MAATREGELEN TER BEHEERSING VAN BLOOTSTELLING/PERSOONLIJKE BESCHERMING

8.1. Controleparameters

waterstofperoxide

Grenswaarde (TGG 8 uur) (mg/m³): 1,4
Grenswaarde (TGG 8 uur) (ppm): 1

Lijst van de grenswaarden voor blootstelling aan chemische agentia (KB van mei 2021).

DNEL

1,2-benzisothiazool-3(2H)-on; 1,2-benzisothiazoline-3-on

Duur:	Blootstellingsroute:	DNEL:
Lange termijn - Systemische effecten - Algehele populatie	Inademing	1.2 mg/m ³
Lange termijn - Systemische effecten - Arbeiders	Inademing	6.81 mg/m ³
Lange termijn - Systemische effecten - Algehele populatie	Via de huid	0.345 mg/kg
Lange termijn - Systemische effecten - Arbeiders	Via de huid	966 µg/kg bw/dag

Disodium tin hexahydroxide

Duur:	Blootstellingsroute:	DNEL:
Lange termijn - Systemische effecten - Algehele populatie	Inademing	1.78 mg/m ³
Lange termijn - Systemische effecten - Arbeiders	Inademing	11.9 mg/m ³
Lange termijn - Systemische effecten - Algehele populatie	Oraal	1.21 mg/kg bw/dag
Lange termijn - Systemische effecten - Algehele populatie	Via de huid	1.21 mg/kg bw/dag
Lange termijn - Systemische effecten - Arbeiders	Via de huid	3.37 mg/kg bw/dag

waterstofperoxide

Duur:	Blootstellingsroute:	DNEL:
Korte termijn - Lokale effecten - Algehele populatie	Inademing	1.93 mg/m ³
Korte termijn - Lokale effecten - Arbeiders	Inademing	3 mg/m ³
Lange termijn - Lokale effecten - Algehele populatie	Inademing	0,21 mg/m ³
Lange termijn - Lokale effecten - Algehele populatie	Inademing	210 µg/m ³
Lange termijn - Lokale effecten - Arbeiders	Inademing	1.4 mg/m ³

PNEC

1,2-benzisothiazool-3(2H)-on; 1,2-benzisothiazoline-3-on

Blootstellingsroute:	Blootstellingsduur:	PNEC:
Aarde		3 mg/kg
Afvalwaterzuiveringsinstallatie		1.03 mg/L
Intermitterende vrijlating (zeewater)		110 ng/L
Intermitterende vrijlating (zoet water)		1.1 µg/L
Zeewater		403 ng/L
Zeewatersediment		4.99 µg/kg
Zoet water		4.03 µg/L
Zoetwatersediment		49.9 µg/kg

Disodium tin hexahydroxide

Blootstellingsroute:	Blootstellingsduur:	PNEC:
Afvalwaterzuiveringsinstallatie		10 mg/L
Intermitterende vrijlating (zeewater)		33.1 µg/L
Intermitterende vrijlating (zoet water)		331 µg/L
Zeewater		3.31 µg/L
Zeewatersediment		139.46 µg/kg

Zoet water		33.1 µg/L
Zoetwatersediment		1.395 mg/kg

waterstofperoxide

Blootstellingsroute:	Blootstellingsduur:	PNEC:
Aarde		0,023 mg/kg
Aarde		2.3 µg/kg
Afvalwaterzuiveringsinstallatie		4.66 mg/L
Afvalwaterzuiveringsinstallatie		4.66 mg/L
Intermitterende vrijlating (zoet water)		13.8 µg/L
Zeewater		0,047 mg/L
Zeewater		12.6 µg/L
Zeewatersediment		0,047 mg/L
Zeewatersediment		47 µg/kg
Zoet water		0,0126 mg/L
Zoet water		12.6 µg/L
Zoetwatersediment		0,047 mg/kg
Zoetwatersediment		47 µg/kg

8.2. Maatregelen ter beheersing van blootstelling

Naleving van de aangegeven grenswaarden dient regelmatig gecontroleerd te worden.

Algemene gedragslijnen:

Roken, eten en drinken is niet toegestaan in arbeidslokalen.

Blootstellingsscenario's:

Er zijn geen blootstellingsscenario's geïmplementeerd voor dit product.

Blootstellingslimieten:

Beroepsmatige gebruikers vallen onder de regels van de arbeidsomstandighedenwet betreffende maximum concentratie van exponering. Zie de arbeidshygiënische grenswaarden hierboven.

Technische maatregelen:

De ontwikkeling van dampen moet zo beperkt mogelijk blijven en in elk geval onder de aangegeven grenswaarden (zie hoger). Een lokaal afzuigsysteem is aan te raden als de ventilatie in het lokaal ontoereikend is. Zorg ervoor dat oogspoelmiddel en een doucheslang in geval van nood duidelijk aangegeven zijn.

Wees voorzichtig bij het gebruik van het product. Vermijd de inademing van dampen.

Hygiënische maatregelen:

Tijdens elke pauze in het gebruik van het product en na werktijd moeten geëxponeerde lichaamsdelen afgewassen worden. Let vooral op handen, onderarmen en gezicht.

Beheersing van milieublootstelling:

Geen bijzondere eisen.

Individuele beschermingsmaatregelen, zoals persoonlijke beschermingsmiddelen

Algemeen:

Gebruik alleen beschermingsapparatuur met het CE-keurmerk.

Luchtwege:

Type	Klasse	Kleur	Standaard	
Geen bijzondere bij normaal doelbewust gebruik.				

Huid en lichaam:

Aanbevolen	Type/Categorie	Normen	
Geen bijzondere bij	-	-	

Aanbevolen	Type/Categorie	Normen	
normaal doelbewust gebruik			

Handen:

Werksituatie	Materiaal	Minimale laagdikte (mm)	Doorbraaktijd (min.)	Normen	
	Geen bijzondere bij normaal doelbewust gebruik	-	-	-	
In het geval van een lange blootstelling of hoge concentraties	Katoen / Natuurlijk rubber (Latex)	-	> 120	EN374-2, EN16523-1, EN388	

Ogen:

Werksituatie	Type	Normen	
	Geen bijzondere bij normaal doelbewust gebruik.	-	
In het geval van een lange blootstelling of hoge concentraties	Draag een veiligheidsbril met zijstukken	EN166	

RUBRIEK 9: FYSISCH EN CHEMISCH EIGENSCHAPPEN

9.1. Informatie over fysische en chemische basiseigenschappen

Fysische toestand:

Vloeibaar

Kleur:

Kleurloos

Geur / Geurdrempelwaarde (ppm):

Van parfum

pH:

ca. 4.8

Soortelijk gewicht (g/cm³):

1,02 (20 °C)

Kinematische viscositeit:

Geen gegevens beschikbaar.

Deeltjeskenmerken:

Niet van toepassing op vloeistoffen.

Toestandsverandering en damp

Smeltpunt/vriespunt (°C):

Geen gegevens beschikbaar.

Verwekingspunt/verwekingstraject (°C):

Niet van toepassing op vloeistoffen.

Kookpunt (°C):

Geen gegevens beschikbaar.

Dampdruk:

Geen gegevens beschikbaar.

Relatieve dampdichtheid:

Geen gegevens beschikbaar.

Ontledingstemperatuur (°C):

Geen gegevens beschikbaar.

Data voor brand- en explosiegevaar

Vlampunt (°C):

Geen gegevens beschikbaar.

Ontvlambaarheid (°C):

Geen gegevens beschikbaar.

Zelfontbrandingstemperatuur (°C):

Geen gegevens beschikbaar.

Ontploffingsgrenzen (% v/v):

Geen gegevens beschikbaar.

Oplosbaarheid

Oplosbaarheid in water:

Volledig oplosbaar

n-octanol/water coëfficiënt (LogKow):

Geen gegevens beschikbaar.

Oplosbaarheid in vet (g/L):

Geen gegevens beschikbaar.

9.2. Overige informatie

Andere fysische en chemische parameters:

Geen gegevens beschikbaar.

Oxiderende eigenschappen:

Geen gegevens beschikbaar.

RUBRIEK 10: STABILITEIT EN REACTIVITEIT

10.1. Reactiviteit

Geen gegevens beschikbaar.

10.2. Chemische stabiliteit

Het product is stabiel onder de voorwaarden die genoemd zijn in de rubriek 7 "Hantering en opslag".

10.3. Mogelijke gevaarlijke reacties

Niet bekend.

10.4. Te vermijden omstandigheden

Niet bekend.

10.5. Chemisch op elkaar inwerkende materialen

Sterke zuren, sterke basen, sterke oxidatiemiddelen en sterke reductiemiddelen.

10.6. Gevaarlijke ontledingsproducten

Bij normale omstandigheden van opslag en gebruik, zouden gevaarlijke ontledingsproducten niet moeten worden geproduceerd.

RUBRIEK 11: TOXICOLOGISCHE INFORMATIE

11.1. Informatie over gevarenklassen als omschreven in Verordening (EG) nr. 1272/2008

Acute toxiciteit

Product / ingrediënt	waterstofperoxide
Soorten:	Rat
Blootstellingsroute:	Oraal
Test:	LD50
Resultaat:	1.193 - 1.270 mg/L

Product / ingrediënt	waterstofperoxide
Soorten:	Konijn
Blootstellingsroute:	Via de huid
Test:	LD50
Resultaat:	>2.000 (35% oplossing) mg/kg

Product / ingrediënt	1,2-benzisothiazool-3(2H)-on; 1,2-benzisothiazoline-3-on
Soorten:	Rat
Blootstellingsroute:	Oraal
Test:	LD50
Resultaat:	500 mg/kg

Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.

Huidcorrosie/-irritatie

Product / ingrediënt	waterstofperoxide
Resultaat:	Schadelijke effecten waargenomen (Irriterend)

Product / ingrediënt	1,2-benzisothiazool-3(2H)-on; 1,2-benzisothiazoline-3-on
Testmethode:	OESO 404
Resultaat:	Schadelijke effecten waargenomen (Irriterend)

Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.

Ernstig oogletsel/oogirritatie

Product / ingrediënt	waterstofperoxide
Resultaat:	Schadelijke effecten waargenomen (Veroorzaakt ernstig oogletsel)

Product / ingrediënt	1,2-benzisothiazool-3(2H)-on; 1,2-benzisothiazoline-3-on
Testmethode:	OESO 405
Resultaat:	Schadelijke effecten waargenomen (Veroorzaakt ernstig oogletsel)

Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.

Sensibilisatie van de luchtwegen

Product / ingrediënt	waterstofperoxide
Resultaat:	Geen schadelijke effecten waargenomen (niet sensibiliserend)

Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.

Sensibilisatie van de huid

Product / ingrediënt	1,2-benzisothiazool-3(2H)-on; 1,2-benzisothiazoline-3-on
Testmethode:	OESO 429
Soorten:	Muis
Resultaat:	Schadelijke effecten waargenomen (sensibiliserend)

Product / ingrediënt	1,2-benzisothiazool-3(2H)-on; 1,2-benzisothiazoline-3-on
Testmethode:	OESO 406
Soorten:	Cavia
Resultaat:	Schadelijke effecten waargenomen (sensibiliserend)

Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.

Mutageniteit in geslachtscellen

Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.

Kankerverwekkend

Product / ingrediënt	waterstofperoxide
Conclusie:	Geen schadelijke effecten waargenomen

Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.

Giftigheid voor de voortplanting

Product / ingrediënt	waterstofperoxide
Conclusie:	Geen schadelijke effecten waargenomen

Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.

STOT bij eenmalige blootstelling

Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.

STOT bij herhaalde blootstelling

Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.

Gevaar bij inademing

Product / ingrediënt waterstofperoxide

Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.

11.2. Informatie over andere gevaren

Effecten op lange termijn

Niet bekend.

Hormoonontregelende eigenschappen

Dit mengsel/product bevat geen stoffen die worden beschouwd als het hebben van hormoonverstorende eigenschappen met betrekking tot de gezondheid.

Overige informatie

waterstofperoxide : De stof is geclassificeerd als groep 3 door IARC.

RUBRIEK 12: ECOLOGISCHE INFORMATIE

12.1. Toxiciteit

Product / ingrediënt	waterstofperoxide
Soorten:	Vis, Pimephales promelas
Duur:	96 uur
Test:	LC50
Resultaat:	16,4 mg/L

Product / ingrediënt	waterstofperoxide
Soorten:	Vis, Leuciscus idus
Duur:	72 uur
Test:	LC50
Resultaat:	35 mg/L

Product / ingrediënt	waterstofperoxide
Soorten:	Vis, Oncorhynchus mykiss
Duur:	7 dagen
Test:	LC50
Resultaat:	38,5 mg/L

Product / ingrediënt	waterstofperoxide
Soorten:	Daphnia pulex
Duur:	48 uur
Test:	EC50
Resultaat:	2,4 mg/L

Product / ingrediënt	waterstofperoxide
Soorten:	Daphnia magna
Duur:	24 uur
Test:	EC50
Resultaat:	7,7 mg/L

Product / ingrediënt	waterstofperoxide
Soorten:	Skeletonema costatum
Duur:	72 uur
Test:	EC50
Resultaat:	1,38 mg/L

Product / ingrediënt	waterstofperoxide
Testmethode:	OESO 209

Soorten:	Bacterie
Milieucompartiment:	Geactiveerde slibinstallatie
Duur:	30 minuten
Test:	EC50
Resultaat:	466 mg/L

Product / ingrediënt	waterstofperoxide
Testmethode:	OESO 209
Soorten:	Bacterie
Milieucompartiment:	Geactiveerde slibinstallatie
Duur:	3 uur
Test:	EC50
Resultaat:	> 1.000 mg/L

Product / ingrediënt	1,2-benzisothiazool-3(2H)-on; 1,2-benzisothiazoline-3-on
Soorten:	Vis
Duur:	96 uur
Test:	LC50
Resultaat:	>0.1-1 mg/L

Product / ingrediënt	1,2-benzisothiazool-3(2H)-on; 1,2-benzisothiazoline-3-on
Soorten:	Schaaldier
Duur:	48 uur
Test:	EC50
Resultaat:	>0.1-1 mg/L

Product / ingrediënt	1,2-benzisothiazool-3(2H)-on; 1,2-benzisothiazoline-3-on
Soorten:	Algen
Duur:	72 uur
Test:	EC50
Resultaat:	>0.1-1 mg/L

Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.

12.2. Persistentie en afbreekbaarheid

Product / ingrediënt	Alcohol, C13, bran., EO, sulfate Na~
Resultaat:	> 60 %
Conclusie:	Gemakkelijk biologisch afbreekbaar
Test:	OESO 301 B

Product / ingrediënt	waterstofperoxide
Conclusie:	Gemakkelijk biologisch afbreekbaar

Product / ingrediënt	1,2-benzisothiazool-3(2H)-on; 1,2-benzisothiazoline-3-on
Resultaat:	90%
Conclusie:	Gemakkelijk biologisch afbreekbaar
Test:	OECD 302

De oppervlakteactieve stof(fen) in dit preparaat voldoet(n) aan de criteria voor biologische afbreekbaarheid zoals vastgelegd in Verordening (EG) nr. 648/2004 betreffende detergentia. Gegevens ter ondersteuning van deze bewering worden ter beschikking van de bevoegde autoriteiten van de lidstaten gehouden en zullen aan hen beschikbaar worden gesteld na een rechtstreeks verzoek of op verzoek van een producent van detergentia.

12.3. Bioaccumulatie

Product / ingrediënt	waterstofperoxide
LogKow:	-1,57
Conclusie:	-

Product / ingrediënt	1,2-benzisothiazool-3(2H)-on; 1,2-benzisothiazoline-3-on
BCF:	2
LogKow:	1.45
Conclusie:	Bioaccumulatievermogen is laag

12.4. Mobiliteit in de bodem

Geen gegevens beschikbaar.

12.5. Resultaten van PBT- en zPzB-beoordeling

Dit mengsel/product bevat geen stoffen die aan de criteria voldoen om ze als PBT en/of zPzB te classificeren.

12.6. Hormoonontregelende eigenschappen

Dit mengsel/product bevat geen stoffen die worden beschouwd als het hebben van endocrien-verstorende eigenschappen met betrekking tot het milieu.

12.7. Andere schadelijke effecten

Niet bekend.

RUBRIEK 13: INSTRUCTIES VOOR VERWIJDERING

13.1. Afvalverwerkingsmethoden

Dit product valt onder de wetgeving inzake gevaarlijke afvalstoffen. (*)

HP 4 - Irriterend (huidirritatie en oogletsel)

Verordening (EU) Nr. 1357/2014 van de Commissie van 18 december 2014 betreffende afvalstoffen.

Euracode:

20 01 30

Niet onder 20 01 29 vallende detergenten

Verontreinigde emballage

Verpakking met restinhoud van het product wegwerken volgens dezelfde voorwaarden als het product.

RUBRIEK 14: INFORMATIE MET BETREKKING TOT HET VERVOER

	14.1 VN	14.2 Juiste ladingnaam van de VN	14.3 Transportgevaarenklasse(n)	14.4 PG*	14.5. Env**	Andere informatie:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Verpakkingsgroep

** Milieugevaren

Overig

Geen gevaarlijke goederen volgens ADR, IATA en IMDG.

14.6. Bijzondere voorzorgen voor de gebruiker

Niet van toepassing.

14.7. Zeevervoer in bulk overeenkomstig IMO-instrumenten

Geen gegevens beschikbaar.

RUBRIEK 15: REGELGEVING

15.1. Specifieke veiligheids-, gezondheids- en milieureglementen en -wetgeving voor de stof of het mengsel

Beperkingen bij gebruik:

Uitsluitend voor gebruik door professionele gebruiker.

Eisen t.o.v. speciale opleidingen:

Geen bijzondere eisen.

SEVESO - Gevarencategorieën / Gevaarlijke stoffen:

Niet van toepassing.

Verordening van precursoren voor explosieven:

waterstofperoxide (Bijlage I)

Etikettering van de inhoud in overeenstemming met detergentiaverordening EG nr. 648/2004:

- >5% - <15%
 - Niet-ionogene oppervlakteactieve stoffen
- < 5%
 - Anionogene oppervlakteactieve stoffen
 - Zuurstofbleekmiddelen
 - Parfums
 - Conserveermiddel (BENZISOTHIAZOLINONE)

Overig:

De oppervlakteactieve stof(fen) in dit preparaat voldoet(n) aan de criteria voor biologische afbreekbaarheid zoals vastgelegd in Verordening (EG) nr. 648/2004 betreffende detergentia. Gegevens ter ondersteuning van deze bewering worden ter beschikking van de bevoegde autoriteiten van de lidstaten gehouden en zullen aan hen beschikbaar worden gesteld na een rechtstreeks verzoek of op verzoek van een producent van detergentia.

Bronnen:

Verordening (EG) nr. 648/2004 van het Europees Parlement en de Raad van 31 maart 2004 betreffende detergentia.
Verordening (EU) Nr. 1357/2014 van de Commissie van 18 december 2014 betreffende afvalstoffen.
Verordening (EU) 2019/1148 van precursoren voor explosieven.
Verordening (EG) nr. 1272/2008 van het Europees Parlement en de Raad van 16 december 2008 betreffende de indeling, etikettering en verpakking van stoffen en mengsels (CLP).
Verordening (EG) nr. 1907/2006 van het Europees Parlement en de Raad van 18 december 2006 inzake de registratie en beoordeling van en de autorisatie en beperkingen ten aanzien van chemische stoffen (REACH).

15.2. Chemischeveiligheidsbeoordeling

Nee

RUBRIEK 16: OVERIGE INFORMATIE

De volledige tekst van de H-zinnen genoemd in rubriek 3

H271, Kan brand of ontploffingen veroorzaken; sterk oxiderend.
H302, Schadelijk bij inslikken.
H314, Veroorzaakt ernstige brandwonden en oogletsel.
H315, Veroorzaakt huidirritatie.
H318, Veroorzaakt ernstig oogletsel.
H319, Veroorzaakt ernstige oogirritatie.
H332, Schadelijk bij inademing.
H335, Kan irritatie van de luchtwegen veroorzaken.
H336, Kan slaperigheid of duizeligheid veroorzaken.
H412, Schadelijk voor in het water levende organismen, met langdurige gevolgen.

Afkortingen en acroniemen

ADN = Europese wetgeving met betrekking tot het vervoer van gevaarlijke goederen over binnewateren
ADR = Europese overeenkomst met betrekking tot het vervoer van gevaarlijke goederen over de weg
ATE = Acute toxiciteitsbeoordeling
BCF = Bioconcentratie Factor
CAS = Chemical Abstracts Service
CE = Conformité européenne
CLP = Indeling, etikettering en verpakking van stoffen en mengsels [Verordening (EG) No. 1272/2008]
CSA = Chemische Veiligheidsbeoordeling
CSR = rapporten over de chemische veiligheid (CSR - Chemical Safety Reports)
DNEL = De afgeleide dosis zonder effect
EAC = Europese Afval Cataloog
EINECS = European Inventory of Existing Commercial Substances
ES = blootstellingsscenario
EUH zin = CLP-specifieke gevaarszin
EuPCS = Europees productindelingssysteem
GHS = Globaal geharmoniseerd systeem voor indeling, kenmerking en etikettering van chemische stoffen en mengsels
GWP = Aardopwarmingsvermogen

IATA = Internationaal Lucht Transport Vereniging
IBC = Tussentijdse bulk container
IMDG = Internationaal Maritiem Transport voor Gevaarlijke goederen
LogPow = Logaritme van de octaan/water partitie coëfficiënt
MARPOL = Internationale conventie voor de preventie van vervuiling door schepen, 1973 en aangepast door het protocol van 1978. ("Marpol" = zee vervuiling)
OESO = Organisatie voor Economische Samenwerking en Ontwikkeling
PBT = Persistent, Bioaccumulatief en Toxisch
PNEC = Voorspelde geen effect concentratie
RID = Regelgeving met betrekking tot het vervoer van gevaarlijke goederen over het spoor
RRN = REACH registratie nummer
SCL = Specifieke concentratielimiet.
SVHC = Zeer zorgwekkende stoffen
STOT-RE = specifieke doelorgaantoxiciteit - herhaalde blootstelling
STOT-SE = specifieke doelorgaantoxiciteit - enkelvoudige blootstelling
TGG = Tijd gewogen gemiddelde
UVBC = Stoffen van onbekende of variabele samenstelling, complexe reactieproducten of biologische materialen.
VN = Verenigde Naties
VOS = Vluchtige Organische Stoffen
zPzB = zeer Persistent en zeer Bioaccumulatief

Overig

Niet van toepassing.

Het veiligheidsinformatieblad is gevalideerd door

Quality & Compliance

Overig

Veranderingen ten opzichte van de vorige belangrijke revisie (eerste cijfer in de SDS-versie, zie rubriek 1) van dit veiligheidsinformatieblad zijn gemarkeerd met een driehoek.

De inlichtingen in dit veiligheidsinformatieblad gelden alleen voor het product genoemd in rubriek 1 en hoeven niet te gelden bij gebruik samen met andere producten.

Het is aan te bevelen dit veiligheidsinformatieblad af te geven aan de eigenlijke gebruiker van het product. De genoemde informatie dient niet als productspecificatie.

Land-taal: BE-nl

ИНФОРМАЦИОНЕН ЛИСТ ЗА БЕЗОПАСНОСТ

i.1 all-purpose cleaner FlexDose

РАЗДЕЛ 1: ИДЕНТИФИКАЦИЯ НА ВЕЩЕСТВОТО/СМЕСТА И НА ДРУЖЕСТВОТО/ПРЕДПРИЯТИЕТО

1.1. Идентификатор на продукта

▼ Търговско наименование:

i.1 all-purpose cleaner FlexDose

1.2. Идентифицирани употреби на веществото или сместа, които са от значение, и употреби, които не се препоръчват

Съответни идентифицирани употреби на веществото или сместа:

Детергенти и почистващи препарати (включително на основата на разтворители)

Само за професионална употреба.

Употреби, които не се препоръчват:

Никой познат.

1.3. Подробни данни за доставчика на информационния лист за безопасност

Компания и адрес:

Hygeniq B.V.

Postbus 618

7500 AP Enschede

The Netherlands

+31 53 4282860

+31 53 5393865

www.hygeniq.com

E-поща:

info@hygeniq.com

Преработено издание:

27.06.2025 г.

SDS версия:

2.0

Дата на предходно издание:

2.06.2025 г. (1.0)

1.4. Телефонен номер при спешни случаи

Национален токсикологичен информационен център, Телефон за спешни случаи: +359 2 9154 233

(www.pirgov.bg)

Вижте раздел 4 "Мерки за първа помощ".

РАЗДЕЛ 2: ОПИСАНИЕ НА ОПАСНОСТИТЕ

2.1. Класифициране на веществото или сместа

Некласифициран съгласно Регламент (ЕО) № 1272/2008 (CLP).

2.2. Елементи на етикета

Пиктограма(и) за опасност:

Не е приложимо.

Сигнална дума:

Не е приложимо.

Декларация(и) за опасност:

Не е приложимо.

Декларация(и) за безопасност:

Общи:

-

Предотвратяване:

-

Отговор:

-

Съхранение:

-

Изхвърляне:

-

Идентичност на веществата, основно отговорни за най-големите опасности за здравето:

Не съдържа вещества, задължени да докладват

Допълнително етиктиране:

EUN210, Информационен лист за безопасност ще бъде представен при поискване.

Етиктиране на съдържанието съгласно Регламент 648/2004 за детергентите (приложимо за опаковки на детергенти, продавани на широката общественост):

>5% - <15%

· Неионогенни повърхностноактивни вещества

< 5%

· Анионни повърхностноактивни вещества

· Кислородни повърхностноактивни вещества за избелване

· Парфюми

· Консервант (BENZISOTHAZOLINONE)

2.3. Други опасности

Допълнителни предупреждения:

Тази смес/продукт не съдържа вещества, считани за отговарящи на критерии, класифициращи ги като PBT и/или vPvB.

Този продукт не съдържа вещества, които се считат за разрушаващи ендокринната система в съответствие с критериите, определени в Делегиран регламент (ЕС) № 2017/2100 на Комисията или Регламент на Комисията (ЕС) № 2023/707.

РАЗДЕЛ 3: СЪСТАВ/ИНФОРМАЦИЯ ЗА СЪСТАВКИТЕ

3.1. Вещества

Не е приложимо. Този продукт е смес.

3.2. Смеси

Продукт/ингредиент	Идентификатори	% w/w	Класификация	Забел ежка
Alcohol, C13, bran., EO, sulfate Na~	CAS №: 150413-26-6 EO №: 688-316-0 REACH: Индекс №:	1-3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 3, H412	
разтвор на водороден пероксид 35%	CAS №: 7722-84-1 EO №: 231-765-0 REACH: 01-2119485845-22-XXXX Индекс №: 008-003-00-9	1-3%	Ox. Liq. 1, H271 Acute Tox. 4, H302 Skin Corr. 1A, H314 (SCL: 70,00 %) Skin Corr. 1B, H314 (SCL: 50,00 %)	

			Skin Irrit. 2, H315 (SCL: 35,00 %) Eye Dam. 1, H318 (SCL: 8,00 %) Eye Irrit. 2, H319 (SCL: 5,00 %) Acute Tox. 4, H332 STOT SE 3, H336 (SCL: 35,00 %)	
citroenzuurmonohydraat	CAS №: 5949-29-1 EO №: 611-842-9 REACH: 01-2119457026-42-XXXX Индекс №:	<0.1%	Eye Irrit. 2, H319	
Disodium tin hexahydroxide	CAS №: 12027-70-2 EO №: 234-724-5 REACH: 01-2120770924-45-XXXX Индекс №:	<0.05%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	[1]

Вижте пълния текст на H-фразите в раздел 16. Ограниченията за излагане в работна среда са посочени в раздел 8, ако същите са налични.

Друга информация

[1] Европейски гранични стойности на професионална експозиция.

РАЗДЕЛ 4: МЕРКИ ЗА ПЪРВА ПОМОЩ

4.1. Описание на мерките за първа помощ

Обща информация:

В случай на инцидент: Свържете се с лекар или отдел за произшествия - вземете етикета или този информационен лист за безопасност.

Свържете се с лекар, ако имате съмнения относно състоянието на пострадалия или ако симптомите продължават. Никога не давайте на човек в безсъзнание вода или други подобни.

Вдишване:

При проблеми с дишането или дразнене на дихателните пътища: При проблеми с дишането или дразнене на дихателните пътища: Отведете лицето на чист въздух и да останете с него.

Контакт с кожата:

В случай на дразнене: изплакнете продукта. В случай на продължително дразнене на очите: да се потърси медицинска помощ.

Контакт с очите:

ПРИ КОНТАКТ С ОЧИТЕ: Промийте очите с вода или солена вода (20-30 °C) в продължение на най-малко 5 минути. Свалете контактните лещи. Потърсете медицинска помощ и продължете да промивате по време на транспортиране.

Поглъщане:

Ако лицето е в съзнание, изплакнете устата с вода и останете при него. Ако лицето не се чувства добре, незабавно се свържете с лекар и вземете този информационен лист за безопасност или етикета на продукта с вас. Да не се предизвиква повръщане, освен ако не е препоръчано от лекар. Дръжте главата обърната надолу, така че ако има повръщане да не изтече обратно в устата и гърлото.

Изгаряния:

Не е приложимо.

4.2. Най-съществени остри и настъпващи след известен период от време симптоми и ефекти

Никой познат.

4.3. Указание за необходимостта от всякакви неотложни медицински грижи и специално лечение

Да се третира симптоматично.

Информация за медици

Носете този информационен лист за безопасност или етикета на продукта с вас.

РАЗДЕЛ 5: ПРОТИВОПОЖАРНИ МЕРКИ

5.1. Пожарогасителни средства

Не е приложимо.

5.2. Особени опасности, които произтичат от веществото или сместа

Пожарът ще доведе до гъст дим. Излагането на катаболитни продукти може да увреди вашето здраве. Затворени контейнери, които са изложени на огън, трябва да се охлаждат с вода. Не позволявайте пожарогасителна вода да тече в канализацията и други водни течения.

Ако продуктът е изложен на високи температури, както и в случай на пожар, опасни катаболитни вещества се произвеждат. Това са:

Въглеродни оксиди (CO / CO₂)

5.3. Съвети за пожарникарите

Няма специфични изисквания.

РАЗДЕЛ 6: МЕРКИ ПРИ АВАРИЙНО ИЗПУСКАНЕ

6.1. Лични предпазни мерки, предпазни средства и процедури при спешни случаи

Осигурете адекватна вентилация, особено в затворени помещения.

Замърсените зони могат да бъдат хлъзгави.

6.2. Предпазни мерки за опазване на околната среда

Избягвайте изтичането в езера, потоци, канали и т.н.

Дръжте неупълномощени лица далеч от разлива

6.3. Методи и материали за ограничаване и почистване

Разливът да се ограничи и събере с помощта на незапалими абсорбиращи материали, напр. пясък, пръст, вермикулит или инфузорна пръст и да се постави в контейнер за изхвърляне съгласно местните разпоредби. Почистването трябва да се направи доколкото е възможно като се използват обикновени почистващи препарати. Разтворители трябва да бъдат избягвани.

6.4. Позоваване на други раздели

Вижте раздел 13 "Обезвреждане на отпадъците" по отношение на обработката на отпадъците.

Вижте раздел 8 "Контрол на експозицията/лични предпазни средства" за защитни мерки.

РАЗДЕЛ 7: РАБОТА И СЪХРАНЕНИЕ

7.1. Предпазни мерки за безопасна работа

Пушенето, консумацията на храна или течности, както и съхранението на тютюн, храна или течности, не са позволени в работните помещения.

Вижте раздел "Контрол на експозицията/лични предпазни средства" за информация за лична защита.

7.2. Условия за безопасно съхраняване, включително несъвместимости

Контейнерите, които са били отворяни, трябва внимателно да се запечатат отново и да се съхраняват в изправено положение, за да не се допусне разлив.

Съвместимостта на опаковките:

Да се съхранява само в оригиналната опаковка.

Условия за съхранение:

Сухо, хладно и добре проветрено

Несъвместими материали:

Силни киселини, силни основи, силни окислителни, силни редуциращи агенти.

7.3. Специфична(и) крайна(и) употреба(и)

Този продукт трябва да се използва само за приложения, описани в раздел 1.2.

РАЗДЕЛ 8: КОНТРОЛ НА ЕКСПОЗИЦИЯТА/ЛИЧНИ ПРЕДПАЗНИ СРЕДСТВА

8.1. Параметри на контрол

разтвор на водороден пероксид 35%

Гранични стойности (8 часа) (mg/m³): 1,5

Наредба № 13 от 2003 г. за защита на работещите от рискове, свързани с експозиция на химични агенти при работа

DNEL

1,2-бензизотиазол-3(2H)-он; 1,2-бензизотиазолин-3-он; 1,2-бензизотиазолин-3-он

Продължителност:	Маршрут на експозиция:	DNEL:
Дълготрайна - систематични ефекти - работници	Вдишване	6.81 mg/m ³
Дълготрайна - систематични ефекти - цялото население	Вдишване	1.2 mg/m ³
Дълготрайна - систематични ефекти - работници	Дермално	966 µg/kg/ден
Дълготрайна - систематични ефекти - цялото население	Дермално	0.345 mg/kg

Disodium tin hexahydroxide

Продължителност:	Маршрут на експозиция:	DNEL:
Дълготрайна - систематични ефекти - работници	Вдишване	11.9 mg/m ³
Дълготрайна - систематични ефекти - цялото население	Вдишване	1.78 mg/m ³
Дълготрайна - систематични ефекти - работници	Дермално	3.37 mg/kg/ден
Дълготрайна - систематични ефекти - цялото население	Дермално	1.21 mg/kg/ден
Дълготрайна - систематични ефекти - цялото население	Орално	1.21 mg/kg/ден

разтвор на водороден пероксид 35%

Продължителност:	Маршрут на експозиция:	DNEL:
Дълготрайна - локални ефекти - работници	Вдишване	1.4 mg/m ³
Дълготрайна - локални ефекти - цялото население	Вдишване	0.21 mg/m ³
Дълготрайна - локални ефекти - цялото население	Вдишване	210 µg/m ³
Краткотрайна - локални ефекти - работници	Вдишване	3 mg/m ³
Краткотрайна - локални ефекти - цялото население	Вдишване	1.93 mg/m ³

PNEC

1,2-бензизотиазол-3(2H)-он; 1,2-бензизотиазолин-3-он; 1,2-бензизотиазолин-3-он

Маршрут на експозиция:	Продължителност на излагане:	PNEC:
Морска вода		403 ng/L
Морска вода утайки		4.99 µg/kg
Периодично изпускане (Морска вода)		110 ng/L
Периодично изпускане (сладководна среда)		1.1 µg/L
Почва		3 mg/kg
Пречиствателна станция за отпадни води		1.03 mg/L
Сладководна среда		4.03 µg/L
Сладководна среда утайки		49.9 µg/kg

Disodium tin hexahydroxide

Маршрут на експозиция:	Продължителност на излагане:	PNEC:
Морска вода		3.31 µg/L
Морска вода утайки		139.46 µg/kg
Периодично изпускане (Морска вода)		33.1 µg/L
Периодично изпускане (сладководна среда)		331 µg/L
Пречиствателна станция за отпадни води		10 mg/L
Сладководна среда		33.1 µg/L
Сладководна среда утайки		1.395 mg/kg

разтвор на водороден пероксид 35%

Маршрут на експозиция:	Продължителност на излагане:	PNEC:
Морска вода		0,047 mg/L
Морска вода		12.6 µg/L
Морска вода утайки		0,047 mg/L
Морска вода утайки		47 µg/kg
Периодично изпускане (сладководна среда)		13.8 µg/L
Почва		0,023 mg/kg
Почва		2.3 µg/kg
Пречиствателна станция за отпадни води		4.66 mg/L
Пречиствателна станция за отпадни води		4.66 mg/L
Сладководна среда		0,0126 mg/L
Сладководна среда		12.6 µg/L
Сладководна среда утайки		0,047 mg/kg
Сладководна среда утайки		47 µg/kg

8.2. Контрол на експозицията

Спазването на посочените стойности на ограничения на излагане трябва да се проверява редовно.

Общи препоръки:

Пушенето, консумацията на храна или течности, както и съхранението на тютюн, храна или течности, не са позволени в работните помещения.

сценариите на експозиция:

За този продукт няма въведени сценарии при излагане.

Граници на експозиция:

Търговските потребители са обхванати от правилата на действащото екологично законодателство за максимални концентрации за излагане. Вижте праговите стойности за работна хигиена по-горе.

Подходящи технически мерки:

Образуването на пара трябва да бъде минимално и под текущите гранични стойности (вижте по-горе). Препоръчва се монтиране на локална изпускателна система, ако обичайният въздушен поток в помещението е недостатъчен. Осигурете ясно маркиране на пунктовете за спешна промивка на очи и душовете.

При употреба на продукта прилагайте стандартни предпазни мерки. Избягвайте вдишване на парите.

Мерки за лична хигиена:

Всеки път, когато си вземете почивка в използването на този продукт и когато приключите с използването му, всички открити части на тялото трябва да се измият. Обърнете особено внимание на ръцете, предмишниците и лицето.

Мерки за предотвратяване на екологична експозиция:

Няма специфични изисквания.

Индивидуални мерки за защита като например лични предпазни средства

Общо:

Да се използва само защитно оборудване със СЕ маркировка.

Оборудване за дишане:

Тип	Клас	Цвят	Стандарти	
Няма специални, ако се използва по предназначение.				

Защита на кожата:

Препоръчано	Тип/Категория	Стандарти	
Няма специални, ако се използва по предназначение.	-	-	

Защита на ръцете:

Работна ситуация	Материал	Минимална дебелина на слоя (мм)	Период на издръжливост (минути)	Стандарти	
	Няма специални, ако се използва по предназначение	-	-	-	
При продължително излагане или високи концентрации	Памук / Естествена гума (латекс)	-	> 120	EN374-2, EN16523-1, EN388	

Защита на очите:

Работна ситуация	Тип	Стандарти	
	Няма специални, ако се използва по предназначение.	-	
При продължително излагане или високи концентрации	Носете предпазни очила със странични предпазители.	EN166	

РАЗДЕЛ 9: ФИЗИЧНИ И ХИМИЧНИ СВОЙСТВА

9.1. Информация относно основните физични и химични свойства

Форма:

Течност

Цвят:

Безцветен

Мирис / Граница на мириса (ppm):

С парфюм

pH:

са. 4.8

Плътност (г/см³):

1,02 (20 °C)

Кинематичен вискозитет:

Няма налични данни.

Характеристики на частиците:

Не се прилага за течности.

Фазови промени

Точка на топене/точка на замръзване (°C):
Няма налични данни.

Точката/интервалът на размекване (°C) :
Не се прилага за течности.

Точка на кипене (°C):
Няма налични данни.

Парно налягане:
Няма налични данни.

Относителна плътност на парите :
Няма налични данни.

Температура на разлагане (°C):
Няма налични данни.

Данни за опасности от пожар и експлозия

Точка на запалване (°C):
Няма налични данни.

Запалимост (°C):
Няма налични данни.

Температура на самозапалване (°C):
Няма налични данни.

Граници на експлозия (Обем %):
Няма налични данни.

Разтворимост

Разтворимост във вода:
Напълно разтворимо

коефициент на n-октанол/вода (LogKow):
Няма налични данни.

Разтворимост в мазнини (г/л):
Няма налични данни.

9.2. Друга информация

Други физични и химични параметри:
Няма налични данни.

Оксидиращи свойства:
Няма налични данни.

РАЗДЕЛ 10: СТАБИЛНОСТ И РЕАКТИВНОСТ

10.1. Реактивност

Няма налични данни.

10.2. Химична стабилност

Продуктът е стабилен при условията, отбелязани в раздел 7 "Работа и съхранение".

10.3. Възможност за опасни реакции

Никой познат.

10.4. Условия, които трябва да се избягват

Никой познат.

10.5. Несъвместими материали

Силни киселини, силни основи, силни окислителни, силни редуциращи агенти.

10.6. Опасни продукти на разпадане

При нормални условия на съхранение и употреба не трябва да се образуват опасни продукти на разпадане.

РАЗДЕЛ 11: ТОКСИКОЛОГИЧНА ИНФОРМАЦИЯ

11.1. Информация за класовете на опасност, определени в Регламент (ЕО) № 1272/2008

Остра токсичност

Продукт/ингредиент	разтвор на водороден пероксид 35%
Видове:	Плъх
Маршрут на експозиция:	Орално
Изпитване:	LD50
Резултат:	1.193 - 1.270 mg/L

Продукт/ингредиент	разтвор на водороден пероксид 35%
Видове:	Заек
Маршрут на експозиция:	Дермално
Изпитване:	LD50
Резултат:	>2.000 (35% oplossing) mg/kg

Продукт/ингредиент	1,2-бензизотиазол-3(2H)-он; 1,2-бензизотиазолин-3-он; 1,2-бензизотиазолин-3-он
Видове:	Плъх
Маршрут на експозиция:	Орално
Изпитване:	LD50
Резултат:	500 mg/kg

Въз основа на наличните данни не са изпълнени критериите за класификация.

Корозия/дразнене на кожата

Продукт/ингредиент	разтвор на водороден пероксид 35%
Резултат:	Наблюдавани са неблагоприятни ефекти (Дразнещ)

Продукт/ингредиент	1,2-бензизотиазол-3(2H)-он; 1,2-бензизотиазолин-3-он; 1,2-бензизотиазолин-3-он
Метод за изпитвания:	ОИСП 404
Резултат:	Наблюдавани са неблагоприятни ефекти (Дразнещ)

Въз основа на наличните данни не са изпълнени критериите за класификация.

Сериозно увреждане/дразнене на очите

Продукт/ингредиент	разтвор на водороден пероксид 35%
Резултат:	Наблюдавани са неблагоприятни ефекти (Предизвиква сериозно увреждане на очите)

Продукт/ингредиент	1,2-бензизотиазол-3(2H)-он; 1,2-бензизотиазолин-3-он; 1,2-бензизотиазолин-3-он
Метод за изпитвания:	ОИСП 405
Резултат:	Наблюдавани са неблагоприятни ефекти (Предизвиква сериозно увреждане на очите)

Въз основа на наличните данни не са изпълнени критериите за класификация.

Респираторна сенсibilизация

Продукт/ингредиент	разтвор на водороден пероксид 35%
Резултат:	Не са наблюдавани неблагоприятни ефекти (не сенсibilизиращи)

Въз основа на наличните данни не са изпълнени критериите за класификация.

Кожна сенсibilизация

Продукт/ингредиент	1,2-бензизотиазол-3(2H)-он; 1,2-бензизотиазолин-3-он; 1,2-бензизотиазолин-3-он
Метод за изпитвания:	ОИСП 429
Видове:	Мишка
Резултат:	Наблюдавани са неблагоприятни ефекти (сенсibilизиращи)

Продукт/ингредиент	1,2-бензизотиазол-3(2H)-он; 1,2-бензизотиазолин-3-он; 1,2-бензизотиазолин-3-он
Метод за изпитвания:	ОИСП 406
Видове:	Морско свинче
Резултат:	Наблюдавани са неблагоприятни ефекти (сенсibilизиращи)

Въз основа на наличните данни не са изпълнени критериите за класификация.

Мутагенност на зародишните клетки

Въз основа на наличните данни не са изпълнени критериите за класификация.

Канцерогенност

Продукт/ингредиент разтвор на водороден пероксид 35%
Заклучение: Не са наблюдавани неблагоприятни ефекти

Въз основа на наличните данни не са изпълнени критериите за класификация.

Репродуктивна токсичност

Продукт/ингредиент разтвор на водороден пероксид 35%
Заклучение: Не са наблюдавани неблагоприятни ефекти

Въз основа на наличните данни не са изпълнени критериите за класификация.

STOT-еднократна експозиция

Въз основа на наличните данни не са изпълнени критериите за класификация.

STOT-повтаряща се експозиция

Въз основа на наличните данни не са изпълнени критериите за класификация.

Опасност при вдишване

Продукт/ингредиент разтвор на водороден пероксид 35%
Въз основа на наличните данни не са изпълнени критериите за класификация.

11.2. Информация за други опасности

Дългосрочни ефекти

Никой познат.

Свойства, нарушаващи функциите на ендокринната система

Тази смес/този продукт не съдържа вещества, за които се счита, че имат вредно въздействие върху хормоните по отношение на здравето.

Друга информация

разтвор на водороден пероксид 35%: Веществото е класифицирано като група 3 от IARC.

РАЗДЕЛ 12: ЕКОЛОГИЧНА ИНФОРМАЦИЯ

12.1. Токсичност

Продукт/ингредиент разтвор на водороден пероксид 35%
Видове: Риби, *Pimephales promelas*
Продължителност: 96 часа
Изпитване: LC50
Резултат: 16,4 mg/L

Продукт/ингредиент разтвор на водороден пероксид 35%
Видове: Риби, *Leuciscus idus*
Продължителност: 72 часа
Изпитване: LC50
Резултат: 35 mg/L

Продукт/ингредиент разтвор на водороден пероксид 35%
Видове: Риби, *Oncorhynchus mykiss*
Продължителност: 7 дни
Изпитване: LC50
Резултат: 38,5 mg/L

Продукт/ингредиент разтвор на водороден пероксид 35%
Видове: *Daphnia pulex*
Продължителност: 48 часа
Изпитване: EC50

Резултат: 2,4 mg/L

Продукт/ингредиент: разтвор на водороден пероксид 35%
Видове: *Daphnia magna*
Продължителност: 24 часа
Изпитване: EC50
Резултат: 7,7 mg/L

Продукт/ингредиент: разтвор на водороден пероксид 35%
Видове: *Skeletonema costatum*
Продължителност: 72 часа
Изпитване: EC50
Резултат: 1,38 mg/L

Продукт/ингредиент: разтвор на водороден пероксид 35%
Метод за изпитвания: ОИСП 209
Видове: Бактерии
Сфера от околната среда: Станция за активна утайка
Продължителност: 30 minutes
Изпитване: EC50
Резултат: 466 mg/L

Продукт/ингредиент: разтвор на водороден пероксид 35%
Метод за изпитвания: ОИСП 209
Видове: Бактерии
Сфера от околната среда: Станция за активна утайка
Продължителност: 3 часа
Изпитване: EC50
Резултат: > 1.000 mg/L

Продукт/ингредиент: 1,2-бензизотиазол-3(2H)-он; 1,2-бензизотиазолин-3-он; 1,2-бензизотиазолин-3-он
Видове: Риби
Продължителност: 96 часа
Изпитване: LC50
Резултат: >0.1-1 mg/L

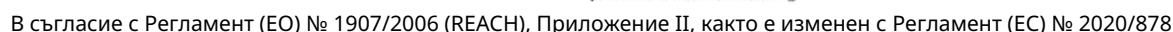
Продукт/ингредиент: 1,2-бензизотиазол-3(2H)-он; 1,2-бензизотиазолин-3-он; 1,2-бензизотиазолин-3-он
Видове: Ракообразни
Продължителност: 48 часа
Изпитване: EC50
Резултат: >0.1-1 mg/L

Продукт/ингредиент: 1,2-бензизотиазол-3(2H)-он; 1,2-бензизотиазолин-3-он; 1,2-бензизотиазолин-3-он
Видове: Водорасли
Продължителност: 72 часа
Изпитване: EC50
Резултат: >0.1-1 mg/L

Въз основа на наличните данни не са изпълнени критериите за класификация.

12.2. Устойчивост и разградимост

Продукт/ингредиент: Alcohol, C13, bran., EO, sulfate Na~
Резултат: > 60 %
Заключение: Пряка биоразградимост
Изпитване: ОИСП 301 B



Повърхностно активното/ ните вещество / ва , съдържащо / и се в този препарат , отговаря (отговарят) на критериите за биологична разградимост , посочени в Регламент (ЕК) № 648/2004 относно детергентите . Данните, потвърждаващи това твърдение са на разположение на компетентните органи на страните - членки и може да им бъдат предоставени при тяхна директна молба или при молба от страна на производител на детергент.

12.3. Биоакумулираща способност

Продукт/ингредиент	1,2-бензизотиазол-3(2H)-он; 1,2-бензизотиазолин-3-он; 1,2-бензизотиазолин-3-он
BCF:	2
LogKow:	1.45
Заключение:	Потенциалът за биологично натрупване е нисък

12.4. Преносимост в почвата

Няма налични данни.

12.5. Резултати от оценката на PBT и vPvB

Тази смес/продукт не съдържа вещества, считани за отговарящи на критерии, класифициращи ги като РВТ и/или vPvB.

12.6. Свойства, нарушаващи функциите на ендокринната система

Тази смес/този продукт не съдържа вещества, за които се счита, че имат свойства, нарушаващи функциите на ендокринната система.

12.7. Други неблагоприятни ефекти

Никой познат.

РАЗДЕЛ 13: ОБЕЗВРЕЖДАНЕ НА ОТПАДЪЦИТЕ

13.1. Методи за третиране на отпадъци

Продуктът е включен в разпоредбите за опасни отпадъци. (*)

HP 4 - Дразнещи (дразнене на кожата и увреждане на очите)

Регламент (ЕС) № 1357/2014 на Комисията от 18 декември 2014 относно отпадъците.

EWC код:

20 01 30	други детергенти, освен тези, посочени в 20 01 29

Замърсени опаковки

Опаковки, които съдържат остатъци от продукта трябва да се изхвърлят по същия начин както продукта.

РАЗДЕЛ 14: ИНФОРМАЦИЯ ОТНОСНО ТРАНСПОРТИРАНЕТО

	14.1 ООН	14.2 Точно наименование	14.3 Клас(ове) на опасност при транспортиране	14.4 PG*	14.5. Env**	Друга информаци я:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-

	14.1 ООН	14.2 Точно наименование	14.3 Клас(ове) на опасност при транспортиране	14.4 PG*	14.5. Env**	Друга информаци я:
IATA	-	-	-	-	-	-

* Опаковъчна група

** Опасности за околната среда

Допълнителна информация

Не е регистриран като опасна стока съгласно ADR, IATA и IMDG разпоредбите.

14.6. Специални предпазни мерки за потребителите

Не е приложимо.

14.7. Морски транспорт на товари в насипно състояние съгласно инструменти на Международната морска организация

Няма налични данни.

РАЗДЕЛ 15: ИНФОРМАЦИЯ ОТНОСНО НОРМАТИВНАТА УРЕДБА

15.1. Специфични за веществото или сместа нормативна уредба/законодателство относно безопасността, здравето и околната среда

Ограничения за приложение:

Само за професионална употреба.

Търсене за конкретно образование:

Няма специфични изисквания.

SEVESO - КАТЕГОРИИ НА ОПАСНОСТ / ПОИМЕННО ПОСОЧЕНИ ОПАСНИ ВЕЩЕСТВА:

Не е приложимо.

Регламент за прекурсори на взривни вещества:

разтвор на водороден пероксид 35% (Приложение I)

Етикетиране на съдържанието съгласно Регламент 648/2004 за детергентите:

>5% - <15%

· Неионогенни повърхностноактивни вещества

< 5%

· Анионни повърхностноактивни вещества

· Кислородни повърхностноактивни вещества за избелване

· Парфюми

· Консервант (BENZISOTHAZOLINONE)

Допълнителна информация:

Повърхностно активното/ ните вещество / ва , съдържащо / и се в този препарат , отговаря (отговарят) на критериите за биологична разградимост , посочени в Регламент (ЕК) № 648/2004 относно детергентите .

Данните, потвърждаващи това твърдение са на разположение на компетентните органи на страните - членки и може да им бъдат предоставени при тяхна директна молба или при молба от страна на производител на детергент.

Източници:

Регламент (ЕО) № 648/2004 на Европейския парламент и на Съвета от 31 март 2004 година относно детергентите.

Регламент (ЕС) № 1357/2014 на Комисията от 18 декември 2014 година относно отпадъците.

Регламент (ЕО) № 2019/1148 за прекурсори на взривни вещества.

Регламент (ЕО) № 1272/2008 на Европейския парламент и на Съвета от 16 декември 2008 година относно класифицирането, етикетирането и опаковането на вещества и смеси (CLP).

Регламент (ЕО) № 1907/2006 на Европейския парламент и на Съвета от 18 декември 2006 година относно регистрацията, оценката, разрешаването и ограничаването на химикали (REACH).

15.2. Оценка на безопасността на химично вещество или смес

Не

РАЗДЕЛ 16: ДРУГА ИНФОРМАЦИЯ

Пълният текст на H-фразите са посочени в раздел 3

H271, Може да предизвика пожар или експлозия; силен окислител.
H302, Вреден при поглъщане.
H314, Причинява тежки изгаряния на кожата и сериозно увреждане на очите.
H315, Предизвиква дразнене на кожата.
H318, Предизвиква сериозно увреждане на очите.
H319, Предизвиква сериозно дразнене на очите.
H332, Вреден при вдишване.
H335, Може да предизвика дразнене на дихателните пътища.
H336, Може да предизвика сънливост или световъртеж.
H412, Вреден за водните организми, с дълготраен ефект.

Съкращения и акроними

ADN = Европейско споразумение за международен превоз на опасни товари по вътрешни водни пътища
ADR = Европейска спогодба за международен превоз на опасни товари по шосе
ATE = Оценка на острата токсичност
BCF = Фактор на биоконцентрация
CAS = Химическа реферативна служба
CE = Сценарий на експозиция
CLP = Регламент за класифицирането, етикетирането и опаковането [Регламент (ЕО) №1272/2008]
CSA = Оценка за безопасност на химично вещество
CSR = Доклад за безопасност на химично вещество
DMEL = Изчислено ниво с минимален ефект
DNEL = Изчислено ниво без ефект
EINECS = Европейски инвентаризационен списък на съществуващите търговски химични вещества
EUH statement = CLP предупреждение за специфична опасност
EuPCS = Европейска система за категоризация на продукти
EWC = Европейски каталог на отпадъците
GHS = Глобална хармонизирана система за класифициране и етикетиране на химични вещества
IATA = Международна асоциация за въздушен транспорт
IBC = Средноголям контейнер за насипен товар
IMDG = Международен превоз на опасни товари по море
LogPow = Логаритъм от коефициента на разпределение октанол/вода
MARPOL 73/78 = Международна конвенция за предотвратяване замърсяването от кораби, 1973, изменена с протокол от 1978 г. ("Marpol" = замърсяване на морските води)
OICRP = Организация за Икономическо Сътрудничество и Развитие
ОН = Обединени нации
ПГЗ = Потенциалът за глобално затопляне
PBT = Устойчиво, биоакмулиращо и токсично
PNEC = Изчислена концентрация без ефект
RID = Разпоредби за международен превоз на опасни товари с железопътен транспорт
RRN = Регистрационен номер съгласно REACH
SCL = специфична пределна концентрация.
STOT-RE = Специфична токсичност за определен орган - многократна експозиция
STOT-SE = Специфична токсичност за определен орган - еднократна експозиция
SVHC = Вещества, предизвикващи сериозно безпокойство
TWA = Средна премерена във времето
UVCB = вещества с неизвестен или променлив състав, продукти от сложни реакции или биологични материали.
ЛОС = Летливо органично съединение
vPvB = Много устойчиво и много биоакмулиращо

Допълнителна информация

Не е приложимо.

Информационният лист за безопасност е потвърден от
Quality & Compliance

Други

Промяната (пропорционално на последната съществена промяна (първи шифър в SDS версия)) се отбелязва със триъгълник.

Информацията в този информационен лист за безопасност се отнася само за този конкретен продукт (посочен в раздел 1) и не е задължително да се коригира за използване на други химикали/продукти.

Препоръчително е този информационен лист за безопасност да се предаде на действителния потребител на продукта. Информацията в този информационен лист за безопасност не може да се използва като спецификация на продукта.

Държава-език: BG-bg

FICHA COM DADOS DE SEGURANÇA

i.1 all-purpose cleaner FlexDose

SEÇÃO 1: IDENTIFICAÇÃO DO PRODUTO E DA EMPRESA

1.1. Identificação do produto

▼ *Nome comercial:*

i.1 all-purpose cleaner FlexDose

1.2. Utilizações identificadas relevantes da substância ou mistura e utilizações desaconselhadas

Usos identificados relevantes da substância ou mistura:

Detergentes e agentes de limpeza (incluindo os à base de solvente)
Somente para uso de profissionais.

Utilizações desaconselhadas:

Nenhum conhecido.

1.3. Identificação do fornecedor da ficha de informações de segurança de produto químico

Empresa e endereço:

Hygeniq B.V.
Postbus 618
7500 AP Enschede
The Netherlands
+31 53 4282860
+31 53 5393865
www.hygeniq.com

E-mail:

info@hygeniq.com

Revisão:

27/06/2025

Versão FDS:

2.0

Data da versão anterior:

02/06/2025 (1.0)

1.4. Número de telefone para emergências

Tel (ambulância): 192 Consultar a seção 4 "Medidas de primeiros socorros"

SEÇÃO 2: IDENTIFICAÇÃO DE PERIGOS

Classificado de acordo com a ABNT NBR 14725-2.

2.1. Classificação da substância ou mistura

Skin Irrit. 3; H316, Provoca irritação moderada á pele.

2.2. Elementos de rotulagem

Pictograma(s) de perigo:

Não aplicável.

Palavra(s) de advertência:

Atenção

Frase(s) de perigo:

Provoca irritação moderada á pele. (H316)

Recomendação(ões) de Prudência:

Geral:

-

Prevenção:

-

Resposta:

Em caso de irritação cutânea: consulte um médico. (P332+P313)

Armazenamento:

-

Eliminação:

-

Identificação das substâncias primariamente responsáveis pelos principais perigos para a saúde:

Não contém quaisquer substâncias a serem reportadas.

Rotulagem adicional:

Não aplicável.

SEÇÃO 3: COMPOSIÇÃO E INFORMAÇÕES SOBRE OS INGREDIENTES

3.1. Substâncias

Não aplicável. Este produto é uma mistura.

3.2. Misturas

Produto/Ingrediente	Identificadores	% w/w	Classificação	Notação
Alcohol, C13, bran., EO, sulfato Na~	N.º CAS: 150413-26-6 N.º CE: 688-316-0	1-3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 3, H412	
peróxido de hidrogénio em solução 35%; água oxigenada 35%	N.º CAS: 7722-84-1 N.º CE: 231-765-0	1-3%	Ox. Liq. 1, H271 Acute Tox. 4, H302 Skin Corr. 1A, H314 (SCL: 70,00 %) Skin Corr. 1B, H314 (SCL: 50,00 %) Skin Irrit. 2, H315 (SCL: 35,00 %) Eye Dam. 1, H318 (SCL: 8,00 %) Eye Irrit. 2, H319 (SCL: 5,00 %) Acute Tox. 4, H332 STOT SE 3, H336 (SCL: 35,00 %)	
citroenzuurmonohydraat	N.º CAS: 5949-29-1 N.º CE: 611-842-9	<0.1%	Eye Irrit. 2, H319	

Consultar texto integral de advertências de perigo na seção 16. Limites de exposição ocupacionais enumerados na seção 8, se estes se encontrarem disponíveis.

Outras informações

-

SEÇÃO 4: MEDIDAS DE PRIMEIROS SOCORROS

4.1. Descrição das medidas de primeiros socorros

Informação Geral:

Em caso de acidente: Contate um médico ou serviço de urgência - leve a etiqueta ou esta ficha de dados de segurança.

Contate um médico se tiver dúvidas sobre o estado de uma pessoa ferida ou se os sintomas perdurarem. Nunca ofereça dê água ou semelhante a uma pessoa inconsciente.

Inalação:

No caso de dificuldades de respiração ou irritação do sistema respiratório: Remova a pessoa para local ventilado e mantenha acompanhada

Contato com a pele:

Remova imediatamente o vestuário contaminado e os sapatos. A pele que tenha estado em contato com o material deve ser lavada com bastante água e sabão. Usar um produto de limpeza para a pele. NÃO use solventes ou diluentes.

Contato com os olhos:

Em caso de contato com os olhos: Lave os olhos com água (20-30 °C) durante pelo menos 5 minutos. Remova as lentes de contacto. Telefone para um médico.

Ingestão:

Se a pessoa estiver consciente, enxágue a boca com água e fique com a pessoa. Se a pessoa se sentir mal, contate imediatamente um médico e leve esta ficha de segurança de produtos químicos ou a etiqueta do produto consigo. Não induza o vômito salvo recomendação do médico. Mantenha a face virada para baixo para que o vômito não retroceda para a boca e garganta.

Queimaduras:

Não aplicável.

4.2. Sintomas e efeitos mais importantes, tanto agudos como retardados

Nenhum conhecido.

4.3. Indicações sobre cuidados médicos urgentes e tratamentos especiais necessários

Tratar sintomaticamente.

Notas para o médico

Leve esta folha de informações de segurança de produto químicos ou a etiqueta do material com você.

SEÇÃO 5: MEDIDAS DE COMBATE A INCÊNDIO

5.1. Meios de extinção

Não aplicável.

5.2. Perigos específicos da substância ou mistura

No caso de fogo, pode gerar uma fumaça densa. A exposição a produtos catabólicos pode provocar a morte. Os recipientes fechados, que estão expostos ao fogo, devem ser resfriados com água. Não permita que a água usada para combater o incêndio escoe para os esgotos ou outros cursos de água.

Se o produto for exposto a temperaturas elevadas, como no caso de um incêndio, são produzidas substâncias catabólicas perigosas. Estas são:

Óxidos de carbono (CO / CO₂)

5.3. Medidas de proteção da equipe de combate a incêndio

Use equipamento autônomo de respiração e vestuário de proteção para evitar o contacto.

SEÇÃO 6: MEDIDAS DE CONTROLE PARA DERRAMAMENTO OU VAZAMENTO

6.1. Precauções pessoais, equipamento de proteção e procedimentos de emergência

As áreas contaminadas podem ser escorregadias.

6.2. Precauções ao meio ambiente

Evite a descarga em lagos, correntes de água, esgotos, etc.

Mantenha as pessoas não autorizadas longe do derrame

6.3. Métodos e materiais para a contenção e limpeza

Contenha e recolha produtos derramados com material não combustível e absorvente, por exemplo, areia, terra, vermiculite ou terra de diatomáceas e coloque num recipiente para eliminação de acordo com os regulamentos locais.

Deve ser feita uma limpeza, tanto quanto possível, usando agentes de limpeza normais. Evitar o uso de solventes.

6.4. Remissão para outras secções

Consulte a secção 13 "Considerações relativas à eliminação" para o manuseio de resíduos.

Consulte a secção 8 "controle da exposição/Proteção individual" para medidas preventivas.

SEÇÃO 7: MANUSEIO E ARMAZENAMENTO

7.1. Precauções para manuseio seguro

Fumar, consumir alimentos ou líquidos e armazenar tabaco, alimentos ou líquidos, não é permitido nas salas de trabalho.

Consulte a secção "controle da exposição/Proteção individual" para informação sobre proteção pessoal.

7.2. Condições de armazenamento seguro, incluindo qualquer incompatibilidade

Os recipientes abertos devem ser cuidadosamente fechados novamente e mantidos na vertical para impedir vazamentos.

Compatibilidade das embalagens:

Mantenha sempre o produto na sua embalagem original.

Condições de armazenamento:

Ambiente seco, fresco e bem ventilado

Materiais incompatíveis:

Ácidos fortes, bases fortes, fortes agentes oxidantes e fortes agentes catabólicos.

7.3. Utilização(ões) final(is) específica(s)

Este produto apenas deve ser usado para as aplicações descritas na secção 1.2.

SEÇÃO 8: CONTROLE DE EXPOSIÇÃO E PROTEÇÃO INDIVIDUAL

8.1. Parâmetros de controle

Este produto não contém quaisquer substâncias constantes da lista brasileira de substâncias com limite de exposição profissional.

8.2. Medidas de controle de engenharia

Aplique controle geral para evitar exposição desnecessária.

Recomendações gerais:

Fumar, consumir alimentos ou líquidos e armazenar tabaco, alimentos ou líquidos, não é permitido nas salas de trabalho.

Cenários de exposição:

Não existem cenários de exposição para este produto.

Limites de exposição:

Não existem quaisquer limites de exposição máximos para as substâncias constantes neste produto.

Medidas técnicas apropriadas:

Aplicar as precauções padrão quando utilizar o produto. Evitar a inalação de vapores.

Medidas de higiene:

Sempre que fizer uma pausa na utilização deste produto e quando tiver terminado de o utilizar, todas as áreas do corpo expostas, devem ser lavadas. Dê especial atenção às mãos, antebraços e rosto.

Medidas para evitar a exposição ambiental:

Sem requisitos específicos.

Medidas de proteção Pessoal

Geralmente:

Usar apenas equipamento de proteção com a marcação 'CA'.

Equipamento respiratórios:

Tipo	Classe	Cor	Normas	
Sem indicações especiais quando utilizado como indicado.				

Proteção da pele:

Recomendado	Tipo/Categoria	Normas	
Sem indicações especiais quando utilizado como indicado	-	-	

Proteção das mãos:

Situação de trabalho	Material	Espessura mínima da capa (mm)	Pausa através do tempo (min.)	Normas	
	Sem indicações especiais quando utilizado como indicado	-	-	-	
Em casos de exposição prolongada ou concentrações altas	Algodão / Borracha natural (látex)	-	> 120	EN374-2, EN16523-1, EN388	

Proteção dos olhos:

Situação de trabalho	Tipo	Normas	
	Sem indicações especiais quando utilizado como indicado.	-	
Em casos de exposição prolongada ou concentrações altas	Utilizar óculos de segurança com proteção lateral.	EN166	

SEÇÃO 9: PROPRIEDADES FÍSICAS E QUÍMICAS

9.1. Informações sobre propriedades físicas e químicas de base

Aspecto:

Líquido

Cor:

Sem cor

Odor / Limite de odor (ppm):

De perfume

pH:

ca. 4.8

Densidade (g/cm³):

1,02 (20 °C)

Viscosidade:

Nenhum dado disponível.

Características das partículas:

Não se aplica aos líquidos.

Alterações da fase

Ponto de fusão/ponto de congelação (°C):

Nenhum dado disponível.

Ponto/intervalo de amolecimento (°C):

Não se aplica aos líquidos.

Ponto de ebulição (°C):

Nenhum dado disponível.

Pressão de vapor:

Nenhum dado disponível.

Densidade relativa do vapor:

Nenhum dado disponível.

Temperatura de decomposição (°C):

Nenhum dado disponível.

Dados sobre os perigos de fogo e explosão

Ponto de fulgor (°C):

Nenhum dado disponível.

Ignição (°C):

Nenhum dado disponível.

Temperatura de autoignição (°C):

Nenhum dado disponível.

Limite inferior/superior de inflamabilidade eu explosividade (% v/v):

Nenhum dado disponível.

Solubilidade

Solubilidade na água:

Completamente solúvel

Coefficiente de partição: n-octanol/água (LogKow):

Nenhum dado disponível.

Solubilidade em gordura (g/L):

Nenhum dado disponível.

9.2. Outras informações

Outros parâmetros físicos e químicos:

Nenhum dado disponível.

Propriedades oxidantes:

Nenhum dado disponível.

SEÇÃO 10: ESTABILIDADE E REATIVIDADE

10.1. Reatividade

Nenhum dado disponível.

10.2. Estabilidade química

O produto é estável sob as condições mencionadas na seção 7 "Manuseamento e armazenagem".

10.3. Possibilidade de reações perigosas

Nenhum conhecido.

10.4. Condições a serem evitadas

Nenhum conhecido.

10.5. Materiais incompatíveis

Ácidos fortes, bases fortes, fortes agentes oxidantes e fortes agentes catabólicos.

10.6. Produtos perigosos da decomposição

Em condições normais de armazenamento e uso, não devem ser gerados produtos de decomposição perigosos.

SEÇÃO 11: INFORMAÇÕES TOXICOLÓGICAS

11.1. Informações sobre as classes de perigo

Toxicidade aguda

Produto/Ingrediente	peróxido de hidrogénio em solução 35%; água oxigenada 35%
Espécie:	Rato
Via de exposição:	Oral
Teste:	LD50
Resultado:	1.193 - 1.270 mg/L

Produto/Ingrediente	peróxido de hidrogénio em solução 35%; água oxigenada 35%
Espécie:	Coelho
Via de exposição:	Dérmico
Teste:	LD50
Resultado:	>2.000 (35% oplossing) mg/kg

Produto/Ingrediente	1,2-benzisotiazol-3(2H)-ona
Espécie:	Rato
Via de exposição:	Oral
Teste:	LD50
Resultado:	500 mg/kg

Com base nos dados disponíveis, não atende os critérios de classificação.

Corrosão/irritação da pele

Produto/Ingrediente	peróxido de hidrogénio em solução 35%; água oxigenada 35%
Resultado:	Efeitos adversos observados (Irritante)

Produto/Ingrediente	1,2-benzisotiazol-3(2H)-ona
Método de ensaio:	OCDE 404
Resultado:	Efeitos adversos observados (Irritante)

Com base nos dados disponíveis, não atende os critérios de classificação.

Lesões oculares graves/irritação ocular

Produto/Ingrediente	peróxido de hidrogénio em solução 35%; água oxigenada 35%
Resultado:	Efeitos adversos observados (Provoca lesões oculares graves)

Produto/Ingrediente	1,2-benzisotiazol-3(2H)-ona
Método de ensaio:	OCDE 405
Resultado:	Efeitos adversos observados (Provoca lesões oculares graves)

Com base nos dados disponíveis, não atende os critérios de classificação.

Sensibilização respiratória

Produto/Ingrediente	peróxido de hidrogénio em solução 35%; água oxigenada 35%
Resultado:	Nenhum efeito adverso observado (não sensibilizando)

Com base nos dados disponíveis, não atende os critérios de classificação.

Sensibilização da pele

Produto/Ingrediente	1,2-benzisotiazol-3(2H)-ona
Método de ensaio:	OCDE 429
Espécie:	Rato
Resultado:	Efeitos adversos observados (sensibilizante)

Produto/Ingrediente	1,2-benzisotiazol-3(2H)-ona
Método de ensaio:	OCDE 406
Espécie:	Cobaia
Resultado:	Efeitos adversos observados (sensibilizante)

Com base nos dados disponíveis, não atende os critérios de classificação.

Mutagenicidade em células germinativas

Com base nos dados disponíveis, não atende os critérios de classificação.

Carcinogenicidade

Produto/Ingrediente	peróxido de hidrogénio em solução 35%; água oxigenada 35%

Conclusão: Nenhum efeito adverso observado

Com base nos dados disponíveis, não atende os critérios de classificação.

Toxicidade à reprodução

Produto/Ingrediente peróxido de hidrogénio em solução 35%; água oxigenada 35%

Conclusão: Nenhum efeito adverso observado

Com base nos dados disponíveis, não atende os critérios de classificação.

Toxicidade para órgãos-alvo específicos (STOT) – exposição única

Com base nos dados disponíveis, não atende os critérios de classificação.

Toxicidade para órgãos-alvo específicos (STOT) – exposição repetida; e

Com base nos dados disponíveis, não atende os critérios de classificação.

Perigo por aspiração

Produto/Ingrediente peróxido de hidrogénio em solução 35%; água oxigenada 35%

Com base nos dados disponíveis, não atende os critérios de classificação.

11.2. Outras informações sobre outros perigos**Efeitos a longo prazo**

Nenhum conhecido.

Propriedades desreguladoras do sistema endócrino**Outras informações**

peróxido de hidrogénio em solução 35%; água oxigenada 35%: A substância foi classificada como grupo 3 pela IARC.

SEÇÃO 12: INFORMAÇÕES ECOLÓGICAS**12.1. Ecotoxicidade**

Produto/Ingrediente peróxido de hidrogénio em solução 35%; água oxigenada 35%

Espécie: Peixes, Pimephales promelas

Duração: 96 horas

Teste: LC50

Resultado: 16,4 mg/L

Produto/Ingrediente peróxido de hidrogénio em solução 35%; água oxigenada 35%

Espécie: Peixes, Leuciscus idus

Duração: 72 horas

Teste: LC50

Resultado: 35 mg/L

Produto/Ingrediente peróxido de hidrogénio em solução 35%; água oxigenada 35%

Espécie: Peixes, Oncorhynchus mykiss

Duração: 7 dias

Teste: LC50

Resultado: 38,5 mg/L

Produto/Ingrediente peróxido de hidrogénio em solução 35%; água oxigenada 35%

Espécie: Daphnia pulex

Duração: 48 horas

Teste: EC50

Resultado: 2,4 mg/L

Produto/Ingrediente peróxido de hidrogénio em solução 35%; água oxigenada 35%

Espécie: Daphnia magna

Duração: 24 horas

Teste: EC50

Resultado: 7,7 mg/L

Produto/Ingrediente peróxido de hidrogénio em solução 35%; água oxigenada 35%

Espécie: Skeletonema costatum

Conforme ABNT NBR 14725:2023

Duração: 72 horas
Teste: EC50
Resultado: 1,38 mg/L

Produto/Ingrediente: peróxido de hidrogénio em solução 35%; água oxigenada 35%
Método de ensaio: OCDE 209
Espécie: Bactérias
Compartimento ambiental: Instalação de Lamas Ativadas
Duração: 30 minutos
Teste: EC50
Resultado: 466 mg/L

Produto/Ingrediente: peróxido de hidrogénio em solução 35%; água oxigenada 35%
Método de ensaio: OCDE 209
Espécie: Bactérias
Compartimento ambiental: Instalação de Lamas Ativadas
Duração: 3 horas
Teste: EC50
Resultado: > 1.000 mg/L

Produto/Ingrediente: 1,2-benzisotiazol-3(2H)-ona
Espécie: Peixes
Duração: 96 horas
Teste: LC50
Resultado: >0.1-1 mg/L

Produto/Ingrediente: 1,2-benzisotiazol-3(2H)-ona
Espécie: Crustáceos
Duração: 48 horas
Teste: EC50
Resultado: >0.1-1 mg/L

Produto/Ingrediente: 1,2-benzisotiazol-3(2H)-ona
Espécie: Algas
Duração: 72 horas
Teste: EC50
Resultado: >0.1-1 mg/L

Com base nos dados disponíveis, não atende os critérios de classificação.

12.2. Persistência e degradabilidade

Produto/Ingrediente: Alcohol, C13, bran., EO, sulfato Na~
Resultado: > 60 %
Conclusão: Elevada biodegradabilidade
Teste: OCDE 301 B

Produto/Ingrediente: peróxido de hidrogénio em solução 35%; água oxigenada 35%
Conclusão: Elevada biodegradabilidade

Produto/Ingrediente: 1,2-benzisotiazol-3(2H)-ona
Resultado: 90%
Conclusão: Elevada biodegradabilidade
Teste: OECD 302

12.3. Potencial bioacumulativo

Produto/Ingrediente: peróxido de hidrogénio em solução 35%; água oxigenada 35%
LogKow: -1,57
Conclusão: -

Produto/Ingrediente: 1,2-benzisotiazol-3(2H)-ona
BCF: 2
LogKow: 1.45

Conclusão: O potencial de bioacumulação é reduzido

12.4. Mobilidade no solo

Nenhum dado disponível.

12.7. Outros efeitos adversos

Nenhum conhecido.

SEÇÃO 13: CONSIDERAÇÕES SOBRE DESTINAÇÃO FINAL

Métodos recomendados para destinação final

Descarte o conteúdo/recipiente em a uma instalação de eliminação de resíduos aprovada.

Embalagem contaminada

As embalagens que contenham restos do produto devem ser descartadas da mesma forma que o produto.

SEÇÃO 14: INFORMAÇÕES SOBRE TRANSPORTE

	14.1 ONU	14.2 Nome apropriado para embarque	14.3 Classe/subclasse	14.4 PG*	14.5. Env**	Outras informações :
ANTT	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Grupo de embalagem

** Perigo ao meio ambiente

Informação adicional

Não listado como mercadorias perigosas nos termos dos regulamentos ANTT, IATA e IMDG.

14.6. Precauções especiais para o utilizador

Não aplicável.

SEÇÃO 15: INFORMAÇÕES SOBRE REGULAMENTAÇÕES

15.1. Regulamentação/legislação específica para a substância ou mistura em matéria de saúde, segurança e ambiente

Restrições a aplicação:

Somente para uso de profissionais.

Exigências para educação específica:

Sem requisitos específicos.

SEVESO - Categorias / Substâncias perigosas:

Não aplicável.

Informação adicional:

Não aplicável.

Fontes:

ABNT NBR 14725-2. Produtos químicos — Informações sobre segurança, saúde e meio ambiente Parte 2: Sistema de classificação de perigo.

Leis do Trabalho – CLT e normas correlacionadas.

15.2. Avaliação da segurança química

Não

SEÇÃO 16: OUTRAS INFORMAÇÕES

O texto integral das advertências de perigo- conforme mencionado na secção 3

H271, Pode provocar incêndio ou explosão, muito comburente.
H302, Prejudicial se for engolido.
H314, Provoca queimadura severa à pele e dano aos olhos.
H315, Provoca irritação à pele.
H318, Provoca lesões oculares graves.
H319, Provoca irritação ocular grave.
H332, Nocivo se inalado.
H336, Pode provocar sonolência ou vertigem.
H412, Nocivo para os organismos aquáticos com efeitos prolongados.

O texto integral dos usos identificados conforme mencionado na secção 1

Nenhum conhecido.

Abreviaturas e siglas

ABNT = Associação Brasileira de Normas Técnicas
ADR = Acordo Europeu relativo ao Transporte Internacional de Carga Perigosa por via terrestre
ANTT = Agência Nacional de Transporte Terrestre
ATE = Toxicidade Aguda Estimada
BCF = Fator de Bioconcentração
CAS = Chemical Abstracts Service
CA = Certificado de aprovação
DNEL = Nível Derivado sem Efeito
GHS = Sistema Harmonizado Globalmente para a Classificação e Rotulagem de Produtos Químicos
IATA = Associação Internacional de Transporte Aéreo
IBC = Recipiente intermediário a granel
IMDG = Transporte Marítimo Internacional de Material Perigoso
LogPow = logaritmo do octanol/coeficiente de partição da água
MARPOL = Convenção Internacional para a Prevenção da poluição por Navios, 1973 alterada pelo Protocolo de 1978.
("Marpol" = poluição da marinha)
mPmB = Muito Persistente e Muito Bioacumulável
NBR = Norma Brasileira Regulamentadora
OCDE = Organização de Cooperação e Desenvolvimento Económico
PBT = Persistente, Bioacumulável e Tóxico
PNEC = Concentração previsível sem efeito
UVBC = Composição desconhecida ou variável; contém produtos sujeitos a reação complexa ou composto de materiais biológicos.

Informação adicional

Não aplicável.

A ficha de informações de segurança de produtos químicos é validada por

Quality & Compliance

Outro

Uma alteração (na proporção da última mudança essencial (primeira cifra na versão FDS)) está assinalada com um triângulo.
A informação constante nesta ficha de informações de segurança de produtos químicos aplica-se apenas a este produto específico (mencionado na secção 1) e não se aplica necessariamente no caso de utilização de outros químicos/produtos.
Recomenda-se a entrega desta ficha de informações de segurança de produtos químicos ao utilizador atual do produto. A informação constante nesta ficha de informações de segurança de produtos químicos não pode ser usada como uma especificação do produto.
Idioma do país: BR-pt-BR

SAFETY DATA SHEET

i.1 all-purpose cleaner FlexDose

SECTION 1: IDENTIFICATION

1.1. Product identifier

▼ *Trade name:*

i.1 all-purpose cleaner FlexDose

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses of the substance or mixture:

Washing and cleaning products (including solvent based products)
Restricted to professional users.

Uses advised against :

None known.

1.3. Details of the supplier of the safety data sheet

Company and address:

Hygeniq B.V.
Postbus 618
7500 AP Enschede
The Netherlands
+31 53 4282860
+31 53 5393865
www.hygeniq.com

E-mail:

info@hygeniq.com

SDS date:

6/27/2025

SDS Version:

2.0

Date of previous version:

6/2/2025 (1.0)

1.4. Emergency telephone number

In an emergency call 911

Alberta / Northwestern Territories (PADIS): 1-800-332-1414

British Columbia (DPIC): 1-800-567-8911

Manitoba: 1-855-7POISON (1-855-776-4766)

New Brunswick: 911

Nova Scotia / Prince Edward Island (IWK): 1-800-565-8161

Ontario (OPC): 1-800-268-9017

Québec (CAPQ): 1-800-463-5060

Saskatchewan (PADIS): 1-866-454-1212

Yukon Territory: (867) 393-8700

Transport emergencies: Call CANUTEC at 1-888-CAN-UTEC (226-8832), 613-996-6666 or *666 on a cellular phone (24 hours)

See also section 4 "First aid measures".

SECTION 2: HAZARD(S) IDENTIFICATION

2.1. Classification of the substance or mixture

Not classified as hazardous according to Hazardous Products Regulation SOR/2015-17 (as amended by SOR/2022-272).

2.2. Label elements

Hazard pictogram(s):
Not applicable.

Signal word:
Not applicable.

Hazard statement(s):

Precautionary statement(s):

General:

-

Prevention:

-

Response:

-

Storage:

-

Disposal:

-

Hazardous substances:

Does not contain any substances required to report

Additional labelling:

Not applicable.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable. This product is a mixture.

3.2. Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
Alcohol, C13, bran., EO, sulfate Na~	CAS No.: 150413-26-6	1-3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319	
hydrogen peroxide	CAS No.: 7722-84-1	1-3%	Ox. Liq. 1, H271 Acute Tox. 4, H302 Skin Corr. 1A, H314 (SCL: 70.00 %) Skin Corr. 1B, H314 (SCL: 50.00 %) Skin Irrit. 2, H315 (SCL: 35.00 %) Eye Dam. 1, H318 (SCL: 8.00 %) Eye Irrit. 2, H319 (SCL: 5.00 %) Acute Tox. 4, H332 STOT SE 3, H336 (SCL: 35.00 %)	
citroenzuurmonohydraat	CAS No.: 5949-29-1	<0.1%	Eye Irrit. 2, H319	

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information

SECTION 4: FIRST-AID MEASURES

4.1. Description of first aid measures

General information:

If breathing is irregular, drowsiness, loss of consciousness or cramps: Call 911 and give immediate treatment (first aid).

Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

Inhalation:

In case of discomfort: bring the person into fresh air.

Skin contact:

Upon irritation: rinse with water. In the event of continued irritation, seek medical assistance.

Eye contact:

Rinse gently with lukewarm water. Remove any contact lenses if this is easy to do. Continue rinsing. In case of persistent eye irritation or discomfort: Seek medical help.

Ingestion:

Rinse and flush mouth thoroughly and consume large quantities of water. In case of continued discomfort: seek medical assistance and bring this safety data sheet.

Burns:

Not applicable.

4.2. Most important symptoms and effects, both acute and delayed

None known.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

Information to medics

Bring this safety data sheet or the label from this product.

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Not applicable.

5.2. Special hazards arising from the substance or mixture

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

Carbon oxides (CO / CO₂)

5.3. Advice for firefighters

No specific requirements.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation, especially in confined areas.

Contaminated areas may be slippery.

6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.

Keep unauthorized persons away from the spill

6.3. Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections

See section 13 "Disposal considerations" on handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Smoking, drinking and consumption of food is not allowed in the work area.

See section 8 "Exposure controls/personal protection" for information on personal protection.

7.2. Conditions for safe storage, including any incompatibilities

Recommended storage material:

Keep only in original packaging.

Storage conditions:

Dry, cool and well ventilated

Incompatible materials:

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

ALBERTA

hydrogen peroxide

Long term exposure limit (8 hours) (ppm): 1

Long term exposure limit (8 hours) (mg/m³): 1.4

Annotations:

3 = Occupational exposure limit is based on irritation effects and its adjustment to compensate for unusual work schedules is not required.

Occupational Health and Safety Code 2009 Order, Alta Reg 87/2009 (revised in 2018)

BRITISH COLUMBIA

hydrogen peroxide

Time-Weighted Average Limit (TWA): 1 ppm

OHS Regulation Part 5: Chemical Agents and Biological Agents.

ONTARIO

2-(2-ethoxyethoxy)ethanol

Time-Weighted Average Limit (TWA): 30 ppm ; 165 mg/m³

hydrogen peroxide

Time-Weighted Average Limit (TWA): 1 ppm

Regulation 833 (Control of Exposure to Biological or Chemical Agents) and Ontario Regulation 490/09 (Designated Substances)

QUEBEC

hydrogen peroxide

Long term exposure limit (8 hours) (ppm): 1

Annotations:

Note 3 = Where the use of these products is permitted.
Regulation respecting occupational health and safety (Chapter S-2.1, r. 13)

SASKATCHEWAN

hydrogen peroxide

Long term exposure limit (8 hours) (ppm): 1

Short term exposure limit (15 minutes) (ppm): 2

The Occupational Health and Safety Regulations, 2020, Chapter S15.1 Reg 10.

8.2. Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

General recommendations:

Smoking, drinking and consumption of food is not allowed in the work area.

Exposure scenarios:

There are no exposure scenarios implemented for this product.

Exposure limits:

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

Appropriate technical measures:

The formation of vapours must be kept at a minimum and below current limit values (see above). Installation of a local exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure eyewash and emergency showers are clearly marked.

Apply standard precautions during use of the product. Avoid inhalation of vapours.

Hygiene measures:

Wash hands after use.

Measures to avoid environmental exposure:

No specific requirements.

Individual protection measures, such as personal protective equipment

Generally:

Use only protective equipment with a recognized certification mark, e.g. the UL mark.

Respiratory Equipment:

Type	Class	Colour	Standards	
No special when used as intended.				

Skin protection:

Recommended	Type/Category	Standards	
No special when used as intended.	-	-	

Hand protection:

Work situation	Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
	No special when used as intended	-	-	-	
In the event of prolonged exposure or high concentrations	Cotton/Latex	-	> 120	EN374-2, EN16523-1, EN388	

Eye protection:

Work situation	Type	Standards	
	No special when used as intended.	-	

Work situation	Type	Standards	
In the event of prolonged exposure or high concentrations	Safety glasses with side shields.	EN166	

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state:

Liquid

Colour:

Colourless

Odour:

Of perfume

Odour threshold (ppm):

No data available.

pH:

ca. 4.8

Density (g/cm³):

1.02 (20 °C)

Kinematic viscosity:

No data available.

Particle characteristics:

Does not apply to liquids.

Phase changes

Melting point/Freezing point (°C):

No data available.

Softening point/range (°F):

Does not apply to liquids.

Boiling point (°C):

No data available.

Vapour pressure:

No data available.

Relative vapour density:

No data available.

Decomposition temperature (°C):

No data available.

Data on fire and explosion hazards

Flash point (°C):

No data available.

Flammability (°C):

No data available.

Auto-ignition temperature (°C):

No data available.

Explosion limits (% v/v):

No data available.

Solubility

Solubility in water:

Completely soluble

n-octanol/water coefficient (LogKow):

No data available.

Solubility in fat (g/L):

No data available.

9.2. Other information

Other physical and chemical parameters:

No data available.

Oxidizing properties:

No data available.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

10.2. Chemical stability

The product is stable under the conditions, noted in section 7 "Handling and storage".

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity

Product/substance	2-(2-ethoxyethoxy)ethanol
Species:	Rat
Route of exposure:	Inhalation
Test:	LC0
Result:	0,025 mg/L

Product/substance	2-(2-ethoxyethoxy)ethanol
Test method:	OECD 402
Species:	Rabbit
Route of exposure:	Dermal
Test:	LD50
Result:	9143 mg/kg

Product/substance	2-(2-ethoxyethoxy)ethanol
Species:	Mouse
Route of exposure:	Oral
Test:	LD50
Result:	6031 mg/kg

Product/substance	hydrogen peroxide
Species:	Rat
Route of exposure:	Oral
Test:	LD50

Conforms to Hazardous Products Regulation SOR/2015-17 (as amended by SOR/2022-272)

Result: 1.193 - 1.270 mg/L

Product/substance: hydrogen peroxide
Species: Rabbit
Route of exposure: Dermal
Test: LD50
Result: >2.000 (35% oplossing) mg/kg

Product/substance: 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Species: Rat
Route of exposure: Oral
Test: LD50
Result: 500 mg/kg

Based on available data, the classification criteria are not met.

Skin corrosion/irritation

Product/substance: 2-(2-ethoxyethoxy)ethanol
Result: No adverse effect observed (Not irritating)

Product/substance: hydrogen peroxide
Result: Adverse effect observed (Irritating)

Product/substance: 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Test method: OECD 404
Result: Adverse effect observed (Irritating)

Based on available data, the classification criteria are not met.

Serious eye damage/irritation

Product/substance: 2-(2-ethoxyethoxy)ethanol
Result: Adverse effect observed (Slightly irritating)

Product/substance: hydrogen peroxide
Result: Adverse effect observed (Causes serious eye damage)

Product/substance: 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Test method: OECD 405
Result: Adverse effect observed (Causes serious eye damage)

Based on available data, the classification criteria are not met.

Respiratory sensitisation

Product/substance: hydrogen peroxide
Result: No adverse effect observed (not sensitising)

Based on available data, the classification criteria are not met.

Skin sensitisation

Product/substance: 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Test method: OECD 429
Species: Mouse
Result: Adverse effect observed (sensitising)

Product/substance: 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Test method: OECD 406
Species: Guinea pig
Result: Adverse effect observed (sensitising)

Based on available data, the classification criteria are not met.

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Product/substance: hydrogen peroxide

Conclusion: No adverse effect observed

Based on available data, the classification criteria are not met.

Reproductive toxicity

Product/substance: hydrogen peroxide
Conclusion: No adverse effect observed

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Product/substance: hydrogen peroxide
Based on available data, the classification criteria are not met.

Long term effects

None known.

Other information

hydrogen peroxide has been classified by IARC as a group 3 carcinogen.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Product/substance: 2-(2-ethoxyethoxy)ethanol
Species: Bacteria
Duration: 16 hours
Result: > 5000 mg/L

Product/substance: 2-(2-ethoxyethoxy)ethanol
Test method: OECD 201
Species: Algae, *Desmodesmus subspicatus*
Duration: 96 hours
Test: EC50
Result: >100 mg/L

Product/substance: 2-(2-ethoxyethoxy)ethanol
Test method: OECD 202
Species: *Daphnia magna*
Duration: 48 hours
Test: EC50
Result: 1982 mg/L

Product/substance: 2-(2-ethoxyethoxy)ethanol
Test method: OECD 203
Species: Fish, *Ictalurus catus*
Duration: 96 hours
Test: LC50
Result: 6010 mg/L

Product/substance: hydrogen peroxide
Species: Fish, *Pimephales promelas*
Duration: 96 hours
Test: LC50
Result: 16,4 mg/L

Product/substance: hydrogen peroxide
Species: Fish, *Leuciscus idus*
Duration: 72 hours

Conforms to Hazardous Products Regulation SOR/2015-17 (as amended by SOR/2022-272)

Test:	LC50
Result:	35 mg/L
Product/substance	hydrogen peroxide
Species:	Fish, <i>Oncorhynchus mykiss</i>
Duration:	7 days
Test:	LC50
Result:	38,5 mg/L
Product/substance	hydrogen peroxide
Species:	<i>Daphnia pulex</i>
Duration:	48 hours
Test:	EC50
Result:	2,4 mg/L
Product/substance	hydrogen peroxide
Species:	<i>Daphnia magna</i>
Duration:	24 hours
Test:	EC50
Result:	7,7 mg/L
Product/substance	hydrogen peroxide
Species:	<i>Skeletonema costatum</i>
Duration:	72 hours
Test:	EC50
Result:	1,38 mg/L
Product/substance	hydrogen peroxide
Test method:	OECD 209
Species:	Bacteria
Compartment:	Activated Sludge Plant
Duration:	30 minutes
Test:	EC50
Result:	466 mg/L
Product/substance	hydrogen peroxide
Test method:	OECD 209
Species:	Bacteria
Compartment:	Activated Sludge Plant
Duration:	3 hours
Test:	EC50
Result:	> 1.000 mg/L
Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Species:	Fish
Duration:	96 hours
Test:	LC50
Result:	>0.1-1 mg/L
Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Species:	Crustacean
Duration:	48 hours
Test:	EC50
Result:	>0.1-1 mg/L
Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Species:	Algae
Duration:	72 hours
Test:	EC50
Result:	>0.1-1 mg/L

Based on available data, the classification criteria are not met.

12.2. Persistence and degradability

Product/substance	2-(2-ethoxyethoxy)ethanol
Result:	100 %
Conclusion:	Readily biodegradable
Test:	OECD 301 B

Product/substance	Alcohol, C13, bran., EO, sulfate Na~
Result:	> 60 %
Conclusion:	Readily biodegradable
Test:	OECD 301 B

Product/substance	hydrogen peroxide
Conclusion:	Readily biodegradable

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Result:	90%
Conclusion:	Readily biodegradable
Test:	OECD 302

12.3. Bioaccumulative potential

Product/substance	2-(2-ethoxyethoxy)ethanol
Conclusion:	Readily biodegradable

Product/substance	2-(2-ethoxyethoxy)ethanol
Conclusion:	-

Product/substance	hydrogen peroxide
LogKow:	-1,57
Conclusion:	-

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
BCF:	2
LogKow:	1.45
Conclusion:	Potential for bioaccumulation is low

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

12.6. Other adverse effects

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

None of the components are listed

Specific labelling

Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: TRANSPORT INFORMATION

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other informatio n:
TDG	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Packing group

** Environmental hazards

Additional information

Not dangerous goods according to TDG, IATA and IMDG.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

No data available.

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.2. Canadian lists

NDSL:

None of the components are listed

DSL:

2-(2-ethoxyethoxy)ethanol

hydrogen peroxide

1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one

15.4. Restrictions for application

Restricted to professional users.

15.5. Demands for specific education

No specific requirements.

Additional information

Not applicable.

15.7. Chemical safety assessment

No

Sources

Hazardous Products Regulation SOR/2015-17 (as amended by SOR/2022-272)

SECTION 16: OTHER INFORMATION

Full text of H-phrases as mentioned in section 3

H271, May cause fire or explosion; strong oxidiser.

H302, Harmful if swallowed.

H314, Causes severe skin burns and eye damage.

H315, Causes skin irritation.

H318, Causes serious eye damage.

H319, Causes serious eye irritation.

H332, Harmful if inhaled.

H336, May cause drowsiness or dizziness.

The full text of identified uses as mentioned in section 1

None known.

Abbreviations and acronyms

ANSI = American National Standards Institute
ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
CAS = Chemical Abstracts Service
DSL = Domestic Substances List
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
HHNOC = Health Hazards Not Otherwise Classified
IARC = International Agency for Research on Cancer
IATA = International Air Transport Association
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
NDSL = Non-domestic substances list
OECD = Organisation for Economic Co-operation and Development
PBT = Persistent, Bioaccumulative and Toxic
PHNOC = Physical Hazards Not Otherwise Classified
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
SCL = A specific concentration limit.
SOR = Statutory Orders and Regulations
STEL = Short-term exposure limits
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
STOT-SE = Specific Target Organ Toxicity - Single Exposure
TDG = Transportation of Dangerous Goods
TWA = Time weighted average
UN = United Nations
UVBC = Unknown or variable composition, complex reaction products or of biological materials
VOC = Volatile Organic Compound
vPvB = Very Persistent and Very Bioaccumulative
WHIMS = Workplace Hazardous Materials Information System

Additional information

Not applicable.

The safety data sheet is validated by

Quality & Compliance

Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

Country-language: CA-en

FICHE DE DONNÉES DE SÉCURITÉ

i.1 all-purpose cleaner FlexDose

RUBRIQUE 1: IDENTIFICATION.

1.1. Identificateur de produit

▼ *Marque commerciale:*

i.1 all-purpose cleaner FlexDose

1.2. Utilisations identifiées pertinentes de la substance ou du mélange et utilisations déconseillées

Utilisations identifiées pertinentes de la substance ou du mélange:

Produits de lavage et de nettoyage (y compris produits à base de solvants)
Réservé aux utilisateurs professionnels.

Utilisations déconseillées :

Aucune connue.

1.3. Renseignements concernant le fournisseur de la fiche de données de sécurité

Nom et adresse de l'entreprise:

Hygeniq B.V.

Postbus 618
7500 AP Enschede
The Netherlands
+31 53 4282860
+31 53 5393865
www.hygeniq.com

Courriel:

info@hygeniq.com

Fiche de données de sécurité rédigée le:

2025-06-27

Version de la fiche de données de sécurité:

2.0

Date de la précédente édition:

2025-06-02 (1.0)

1.4. Numéro d'appel d'urgence

Dans un cas d'urgence contacter 911

Alberta / Territoires du Nord-Ouest (PADIS): 1-800-332-1414

Colombie-Britannique (DPIC): 1-800-567-8911

Manitoba: 1-855-7POISON (1-855-776-4766)

Nouveau-Brunswick: 911

Nouvelle-Écosse / Île-du-Prince-Édouard (IWK): 1-800-565-8161

Ontario (CAO): 1-800-268-9017

Québec (CAPQ): 1-800-463-5060

Saskatchewan (PADIS): 1-866-454-1212

Yukon: (867) 393-8700

D'urgence, transport: Veuillez contacter CANUTEC au 1-888-CAN-UTEC (226-8832), 613-996-6666 ou *666 sur un téléphone cellulaire (24 h)

Voir la rubrique 4 concernant premiers secours.

RUBRIQUE 2: IDENTIFICATION DES DANGERS

2.1. Classification de la substance ou du mélange

Non classé comme dangereux selon le Règlement sur les produits dangereux DORS/2015-17 (tel que modifié par DORS/2022-272).

2.2. Éléments d'étiquetage

Pictogramme(s) de danger:
Sans objet.

Mention d'avertissement:
Sans objet.

Mention(s) de danger:

Conseil(s) de prudence:

Précautions:

-

générales:

-

Intervention:

-

Stockage:

-

Élimination:

-

Contient:

Ne contient pas de substances dont la déclaration est obligatoire

Autre étiquetage:

Sans objet.

RUBRIQUE 3: COMPOSITION/INFORMATIONS SUR LES COMPOSANTS

3.1. Substances

Sans objet. Ce produit est un mélange.

3.2. Mélanges

Produit/composant	Identifiants	% w/w	Classification	Note
Alcohol, C13, bran., EO, sulfate Na~	N° CAS : 150413-26-6	1-3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319	
peroxyde d'hydrogène ; eau oxygénée	N° CAS : 7722-84-1	1-3%	Ox. Liq. 1, H271 Acute Tox. 4, H302 Skin Corr. 1A, H314 (SCL: 70,00 %) Skin Corr. 1B, H314 (SCL: 50,00 %) Skin Irrit. 2, H315 (SCL: 35,00 %) Eye Dam. 1, H318 (SCL: 8,00 %) Eye Irrit. 2, H319 (SCL: 5,00 %) Acute Tox. 4, H332 STOT SE 3, H336 (SCL: 35,00 %)	
citroenzuurmonohydraat	N° CAS : 5949-29-1	<0.1%	Eye Irrit. 2, H319	

Le texte intégral des phrases H se trouve dans la rubrique 16. Les limites d'exposition professionnelle sont indiquées dans la rubrique 8, à condition d'être disponibles

Autres informations

RUBRIQUE 4: PREMIERS SOINS

4.1. Description des premiers secours

Généralités:

Si la respiration est irrégulière, la somnolence, la perte de conscience ou des crampes : Appelez 911 et donnez le traitement immédiatement (premiers secours)

En cas de symptômes persistants ou en cas de doute concernant l'état de la personne blessée, faites appel à un médecin. Ne donnez jamais à boire de l'eau ou autre liquide à une personne ayant perdu connaissance.

Inhalation:

En cas de gêne : sortez la personne à l'air frais.

Contact cutané:

En cas d'irritation : rincez le produit. En cas d'irritation continue : Consultez un médecin.

Contact visuel:

Rincer délicatement à l'eau tiède. Retirer les éventuelles lentilles de contact si cela est facile à faire. Continuer à rincer. En cas d'irritation ou de gêne oculaire persistante : consulter un médecin.

Ingestion:

Rincez la bouche abondamment et buvez de grandes quantités d'eau. En cas de gêne continue : consultez une assistance médicale et présentez cette fiche de données de sécurité.

Brûlure:

Sans objet.

4.2. Principaux symptômes et effets, aigus et différés

Aucune connue.

4.3. Indication des éventuels soins médicaux immédiats et traitements particuliers nécessaires

Traiter selon les symptômes.

Informations pour le médecin

Apportez la présente fiche de données de sécurité ou l'étiquette du produit.

RUBRIQUE 5: MESURES À PRENDRE EN CAS D'INCENDIE

5.1. Moyens d'extinction

Sans objet.

5.2. Dangers particuliers résultant de la substance ou du mélange

Le feu va dégager une épaisse fumée. L'exposition aux produits de décomposition représente un danger pour la santé. Les récipients fermés exposés au feu sont refroidis avec de l'eau. Ne laissez pas de l'eau ayant servi à éteindre l'incendie s'écouler dans les égouts et les cours d'eau.

Si le produit est exposé à de hautes températures, par exemple en cas d'incendie, de dangereux produits gazeux de décomposition peuvent être créés. Il s'agit de :

Les oxydes de carbone (CO / CO₂)

5.3. Conseils aux pompiers

Pas d'exigences particulières.

RUBRIQUE 6: MESURES À PRENDRE EN CAS DE DÉVERSEMENT ACCIDENTEL

6.1. Précautions individuelles, équipement de protection et procédures d'urgence

Assurer une ventilation adéquate, en particulier dans les espaces confinés.

Les zones contaminées peuvent être glissantes.

6.2. Précautions pour la protection de l'environnement

Ne déversez pas dans les lacs, les ruisseaux, les égouts, etc.
Tenir les personnes non autorisées éloignées du déversement.

6.3. Méthodes et matériel de confinement et de nettoyage

Contenez et collectez les déversements avec un matériau absorbant non combustible, par exemple du sable, de la terre, de la vermiculite ou de la terre de diatomées, et placez-les dans un récipient pour les éliminer conformément aux réglementations locales.

Nettoyez autant que possible avec des produits de nettoyage ordinaires. Évitez les solvants.

6.4. Référence à d'autres rubriques

Voir la rubrique 13 "Considérations relatives à l'élimination" sur la manipulation des déchets.

Voir la rubrique 8 "Contrôles de l'exposition/protection individuelle" pour les mesures de protection.

RUBRIQUE 7: MANUTENTION ET STOCKAGE.

7.1. Précautions à prendre pour une manipulation sans danger

La consommation de tabac, de nourriture et de boissons n'est pas permise dans les locaux de travail.

Voir la rubrique 8 «Contrôles de l'exposition/protection individuelle» pour des renseignements sur les dispositifs de protection individuelle.

7.2. Conditions d'un stockage sûr, y compris d'éventuelles incompatibilités

Les compatibilités en matière de conditionnement:

Conserver uniquement dans l'emballage d'origine.

Conditions de stockage:

Sec, frais et bien ventilé

Matières incompatibles:

Acides forts, bases fortes, oxydants forts et des réducteurs forts.

7.3. Utilisation(s) finale(s) particulière(s)

Ce produit doit être utilisé exclusivement pour les applications décrites la rubrique 1.2.

RUBRIQUE 8: CONTRÔLES DE L'EXPOSITION/PROTECTION INDIVIDUELLE

8.1. Paramètres de contrôle

ALBERTA

peroxyde d'hydrogène ; eau oxygénée

Valeur limite (8 heures) (VLEP) (ppm): 1

Valeur limite (8 heures) (VLEP) (mg/m³): 1.4

Observations:

3 =La limite d'exposition professionnelle est basée sur des effets d'irritation et son ajustement pour compenser des horaires de travail inhabituels n'est pas nécessaire.

Ordre du code de la santé et de la sécurité au travail de 2009, Alta Règl. 87/2009 (révisé en 2018)

LA COLOMBIE-BRITANNIQUE

peroxyde d'hydrogène ; eau oxygénée

Moyenne pondérée dans le temps (TWA): 1 ppm

Règlement SST, partie 5: Agents chimiques et agents biologiques.

ONTARIO

2-(2-ethoxyethoxy)ethanol

Moyenne pondérée dans le temps (TWA): 30 ppm ; 165 mg/m³

peroxyde d'hydrogène ; eau oxygénée

Moyenne pondérée dans le temps (TWA): 1 ppm

Le Règlement 833 (Contrôle de l'exposition à des agents biologiques ou chimiques) et le Règlement de l'Ontario 490/09 (substances désignées)

QUEBEC

peroxyde d'hydrogène ; eau oxygénée

Valeur limite (8 heures) (VLEP) (ppm): 1

Observations:

Note 3 = Dans les cas où l'utilisation de ces produits est permise.

Règlement sur la santé et la sécurité du travail (Chapitre S-2.1, r. 13)

SASKATCHEWAN

peroxyde d'hydrogène ; eau oxygénée

Valeur limite (8 heures) (VLEP) (ppm): 1

Valeur à court terme (15 minutes) (VLCT ou VLE) (ppm): 2

Le règlement de 2020 sur la santé et la sécurité au travail, Chapter S15.1 Reg 10.

8.2. Contrôles de l'exposition

Le respect des valeurs limites indiquées doit être contrôlé régulièrement.

Précautions générales:

La consommation de tabac, de nourriture et de boissons n'est pas permise dans les locaux de travail.

Scénarios d'exposition:

Aucun scénario d'exposition n'est mis en œuvre pour ce produit.

Limite d'exposition:

Les utilisateurs professionnels sont concernés par la législation sur l'environnement de travail qui concerne les concentrations maximales auxquelles il est permis d'être exposé. Voir les valeurs limites d'hygiène de travail indiquées ci-dessus.

Mesures techniques:

La formation de vapeur doit être minimale et rester sous les valeurs limites actuelles (voir ci-dessus). Si l'aération n'est pas suffisante dans la pièce, l'installation d'un système local de ventilation est recommandée. Assurez-vous que les douches oculaires et les douches d'urgence sont clairement indiquées.

Suivez les précautions habituelles quand vous utilisez le produit. Évitez de respirer les vapeurs.

Mesures d'hygiène:

Se laver les mains après utilisation.

Mesures pour la limitation de l'exposition à l'environnement:

Pas d'exigences particulières.

Mesures de protection individuelle, telles que les équipement de protection personnelle

Généralités:

Utilisez uniquement des équipements de protection portant un marquage de certification reconnu, par exemple le marquage UL.

Équipements respiratoires:

Type	Classe	Couleur	Normes	
Rien de spécial quand utilisé tel que prévu.				

Protection de la peau:

Recommandé	Type/Catégorie	Normes	
Rien de spécial quand utilisé tel que prévu	-	-	

Protection des mains:

Situation de travail	Matériel	Épaisseur minimum (mm)	Délai de rupture (min.)	Normes	
	Rien de spécial quand utilisé tel que prévu	-	-	-	
En cas d'exposition prolongée ou de concentration élevée	Coton / Caoutchouc naturel	-	> 120	EN374-2, EN16523-1, EN388	

Protection des yeux:

Situation de travail	Type	Normes	
	Rien de spécial quand utilisé tel que prévu.	-	
En cas d'exposition prolongée ou de concentration élevée	Porter des lunettes de sécurité avec protections latérales.	EN166	

RUBRIQUE 9: PROPRIÉTÉS PHYSIQUES ET CHIMIQUES

9.1. Informations sur les propriétés physiques et chimiques essentielles

Etat physique:

Liquide

Couleur:

Incolore

Odeur:

De parfum

Seuil olfactif (ppm):

Aucune information disponible.

pH:

ca. 4.8

Densité (g/cm³):

1,02 (20 °C)

Viscosité cinématique:

Aucune information disponible.

Caractéristiques des particules:

Ne s'applique pas aux liquides.

Changement d'état

Point de fusion/point de congélation (°C):

Aucune information disponible.

Le point/l'intervalle de ramollissement (°F):

Ne s'applique pas aux liquides.

Point d'ébullition (°C):

Aucune information disponible.

Pression de vapeur:

Aucune information disponible.

Densité de vapeur:

Aucune information disponible.

Température de décomposition (°C):

Aucune information disponible.

Informations concernant les risques d'explosion et d'incendie

Point d'éclair (°C):

Aucune information disponible.

Inflammabilité (°C):

Aucune information disponible.

Température d'auto-inflammation (°C):

Aucune information disponible.

Limite d'explosivité (% v/v):

Aucune information disponible.

Solubilité

Solubilité dans l'eau:

Complètement soluble

n-octanol/coefficient d'eau (LogKow):

Aucune information disponible.

Solubilité dans la graisse (g/L):

Aucune information disponible.

9.2. Autres informations

D'autres paramètres physiques et chimiques:

Aucune information disponible.

Capacités oxydantes:

Aucune information disponible.

RUBRIQUE 10: STABILITÉ ET RÉACTIVITÉ

10.1. Réactivité

Aucune information disponible.

10.2. Stabilité chimique

Le produit est stable dans les conditions indiquées à la rubrique 7 (Manipulation et stockage).

10.3. Possibilité de réactions dangereuses

Aucune connue.

10.4. Conditions à éviter

Aucune connue.

10.5. Matières incompatibles

Acides forts, bases fortes, oxydants forts et des réducteurs forts.

10.6. Produits de décomposition dangereux

Dans des conditions normales de stockage et d'utilisation, aucun produit de décomposition dangereux ne doit être produit.

RUBRIQUE 11: DONNÉES TOXICOLOGIQUES

11.1. Informations sur les effets toxicologiques

Toxicité aiguë

Produit/composant	2-(2-ethoxyethoxy)ethanol
Espèce :	Rat
Voie d'exposition :	Inhalation
Test :	LC0
Valeur :	0,025 mg/L

Produit/composant	2-(2-ethoxyethoxy)ethanol
Méthode d'essai :	OCDE 402
Espèce :	Lapin
Voie d'exposition :	Cutanée
Test :	DL50
Valeur :	9143 mg/kg

Produit/composant	2-(2-ethoxyethoxy)ethanol
Espèce :	Souris
Voie d'exposition :	Orale
Test :	DL50
Valeur :	6031 mg/kg

Produit/composant	peroxyde d'hydrogène ; eau oxygénée

Espèce :	Rat
Voie d'exposition :	Orale
Test :	DL50
Valeur :	1.193 - 1.270 mg/L

Produit/composant	peroxyde d'hydrogène ; eau oxygénée
Espèce :	Lapin
Voie d'exposition :	Cutanée
Test :	DL50
Valeur :	>2.000 (35% oplossing) mg/kg

Produit/composant	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one
Espèce :	Rat
Voie d'exposition :	Orale
Test :	DL50
Valeur :	500 mg/kg

Compte tenu des données disponibles, les critères de classification ne sont pas remplis.

Corrosion cutanée/irritation cutanée

Produit/composant	2-(2-ethoxyethoxy)ethanol
Valeur :	Aucun effet nocif observé (Non irritant)

Produit/composant	peroxyde d'hydrogène ; eau oxygénée
Valeur :	Effets nocifs observés (Irritant)

Produit/composant	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one
Méthode d'essai :	OCDE 404
Valeur :	Effets nocifs observés (Irritant)

Compte tenu des données disponibles, les critères de classification ne sont pas remplis.

Lésions oculaires graves/irritation oculaire

Produit/composant	2-(2-ethoxyethoxy)ethanol
Valeur :	Effets nocifs observés (Légèrement irritant)

Produit/composant	peroxyde d'hydrogène ; eau oxygénée
Valeur :	Effets nocifs observés (Provoque de graves lésions des yeux)

Produit/composant	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one
Méthode d'essai :	OCDE 405
Valeur :	Effets nocifs observés (Provoque de graves lésions des yeux)

Compte tenu des données disponibles, les critères de classification ne sont pas remplis.

Sensibilisation respiratoire

Produit/composant	peroxyde d'hydrogène ; eau oxygénée
Valeur :	Aucun effet nocif observé (pas sensibilisant)

Compte tenu des données disponibles, les critères de classification ne sont pas remplis.

Sensibilisation cutanée

Produit/composant	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one
Méthode d'essai :	OCDE 429
Espèce :	Souris
Valeur :	Effets nocifs observés (sensibilisant)

Produit/composant	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one
Méthode d'essai :	OCDE 406
Espèce :	Cochon d'Inde
Valeur :	Effets nocifs observés (sensibilisant)

Compte tenu des données disponibles, les critères de classification ne sont pas remplis.

Mutagénicité sur les cellules germinales

Compte tenu des données disponibles, les critères de classification ne sont pas remplis.

Cancérogénicité

Produit/composant : peroxyde d'hydrogène ; eau oxygénée
Conclusion : Aucun effet nocif observé

Compte tenu des données disponibles, les critères de classification ne sont pas remplis.

Toxicité pour la reproduction

Produit/composant : peroxyde d'hydrogène ; eau oxygénée
Conclusion : Aucun effet nocif observé

Compte tenu des données disponibles, les critères de classification ne sont pas remplis.

Toxicité spécifique pour certains organes cibles — exposition unique

Compte tenu des données disponibles, les critères de classification ne sont pas remplis.

Toxicité spécifique pour certains organes cibles – exposition répétée

Compte tenu des données disponibles, les critères de classification ne sont pas remplis.

Danger par aspiration

Produit/composant : peroxyde d'hydrogène ; eau oxygénée
Compte tenu des données disponibles, les critères de classification ne sont pas remplis.

Effets sur le long terme

Aucune connue.

Autres informations

peroxyde d'hydrogène ; eau oxygénée : La substance a été classée dans le groupe 3 par le CIRC.

RUBRIQUE 12: DONNÉES ÉCOLOGIQUES

12.1. Toxicité

Produit/composant : 2-(2-ethoxyethoxy)ethanol
Espèce : Bactéries
Durée : 16 hours
Valeur : > 5000 mg/L

Produit/composant : 2-(2-ethoxyethoxy)ethanol
Méthode d'essai : OCDE 201
Espèce : Algues, Desmodesmus subspicatus
Durée : 96 heures
Test : CE50
Valeur : >100 mg/L

Produit/composant : 2-(2-ethoxyethoxy)ethanol
Méthode d'essai : OCDE 202
Espèce : Daphnia magna
Durée : 48 heures
Test : CE50
Valeur : 1982 mg/L

Produit/composant : 2-(2-ethoxyethoxy)ethanol
Méthode d'essai : OCDE 203
Espèce : Poisson, Ictalurus catus
Durée : 96 heures
Test : CL50
Valeur : 6010 mg/L

Produit/composant : peroxyde d'hydrogène ; eau oxygénée
Espèce : Poisson, Pimephales promelas
Durée : 96 heures
Test : CL50
Valeur : 16,4 mg/L

Produit/composant : peroxyde d'hydrogène ; eau oxygénée
Espèce : Poisson, *Leuciscus idus*
Durée : 72 heures
Test : CL50
Valeur : 35 mg/L

Produit/composant : peroxyde d'hydrogène ; eau oxygénée
Espèce : Poisson, *Oncorhynchus mykiss*
Durée : 7 jours
Test : CL50
Valeur : 38,5 mg/L

Produit/composant : peroxyde d'hydrogène ; eau oxygénée
Espèce : *Daphnia pulex*
Durée : 48 heures
Test : CE50
Valeur : 2,4 mg/L

Produit/composant : peroxyde d'hydrogène ; eau oxygénée
Espèce : *Daphnia magna*
Durée : 24 heures
Test : CE50
Valeur : 7,7 mg/L

Produit/composant : peroxyde d'hydrogène ; eau oxygénée
Espèce : *Skeletonema costatum*
Durée : 72 heures
Test : CE50
Valeur : 1,38 mg/L

Produit/composant : peroxyde d'hydrogène ; eau oxygénée
Méthode d'essai : OCDE 209
Espèce : Bactéries
Milieu environnemental : Installation à boue activée
Durée : 30 minutes
Test : CE50
Valeur : 466 mg/L

Produit/composant : peroxyde d'hydrogène ; eau oxygénée
Méthode d'essai : OCDE 209
Espèce : Bactéries
Milieu environnemental : Installation à boue activée
Durée : 3 heures
Test : CE50
Valeur : > 1.000 mg/L

Produit/composant : 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one
Espèce : Poisson
Durée : 96 heures
Test : CL50
Valeur : >0.1-1 mg/L

Produit/composant : 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one
Espèce : Crustacés
Durée : 48 heures
Test : CE50
Valeur : >0.1-1 mg/L

Produit/composant : 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one
Espèce : Algues
Durée : 72 heures

Test : CE50
Valeur : >0.1-1 mg/L

Compte tenu des données disponibles, les critères de classification ne sont pas remplis.

12.2. Persistance et dégradabilité

Produit/composant 2-(2-ethoxyethoxy)ethanol
Valeur : 100 %
Conclusion : Biodégradabilité facile
Test : OCDE 301 B

Produit/composant Alcohol, C13, bran., EO, sulfate Na~
Valeur : > 60 %
Conclusion : Biodégradabilité facile
Test : OCDE 301 B

Produit/composant peroxyde d'hydrogène ; eau oxygénée
Conclusion : Biodégradabilité facile

Produit/composant 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one
Valeur : 90%
Conclusion : Biodégradabilité facile
Test : OECD 302

12.3. Potentiel de bioaccumulation

Produit/composant 2-(2-ethoxyethoxy)ethanol
Conclusion : Biodégradabilité facile

Produit/composant 2-(2-ethoxyethoxy)ethanol
Conclusion : -

Produit/composant peroxyde d'hydrogène ; eau oxygénée
LogKow : -1,57
Conclusion : -

Produit/composant 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one
BCF: 2
LogKow : 1.45
Conclusion : Le potentiel de bioaccumulation est faible

12.4. Mobilité dans le sol

Aucune information disponible.

12.5. Résultats des évaluations PBT et vPvB

Ce mélange/produit ne contient aucune substance considérée comme répondant aux critères de classification comme PBT et/ou vPvB.

12.6. Autres effets néfastes

Aucune connue.

RUBRIQUE 13: DONNÉES SUR L'ÉLIMINATION

Méthodes de traitement des déchets

Aucun des composants n'est répertorié

Étiquetage spécifique

Emballages pollués

Les emballages avec des résidus de produit sont éliminés en suivant les mêmes règles que pour le produit lui-même.

RUBRIQUE 14: INFORMATIONS RELATIVES AU TRANSPORT

	14.1 ONU	14.2 Désignation officielle de transport	14.3 Classe(s) de danger pour le transport	14.4 PG*	14.5. Env**	Autres information s :
TDG	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Groupe d'emballage

** Dangers pour l'environnement

Autre

Marchandises non dangereuses conformément à Règlement sur TDG, IATA et IMDG.

14.6. Précautions particulières à prendre par l'utilisateur

Sans objet.

14.7. Transport en vrac conformément à l'annexe II de la convention Marpol et au recueil IBC

Aucune information disponible.

RUBRIQUE 15: INFORMATIONS SUR LA RÉGLEMENTATION

15.1. Réglementations/législation particulières à la substance ou au mélange en matière de sécurité, de santé et d'environnement

15.2. Listes canadiennes

LES:

Aucun des composants n'est répertorié

Liste intérieure:

2-(2-ethoxyethoxy)ethanol

peroxyde d'hydrogène ; eau oxygénée

1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one

15.4. Limites d'utilisation

Réservé aux utilisateurs professionnels.

15.5. Demandes de formation spécifique

Pas d'exigences particulières.

Autre

Sans objet.

15.7. Évaluation de la sécurité chimique

Non

Sources

Règlement sur les produits dangereux DORS/2015-17 (tel que modifié par DORS/2022-272)

RUBRIQUE 16: AUTRES INFORMATIONS

Précisions sur les phrases H dont il est question dans la rubrique 3

H271, Peut provoquer un incendie ou une explosion; comburant puissant.

H302, Nocif en cas d'ingestion.

H314, Provoque de graves brûlures de la peau et de graves lésions des yeux.

H315, Provoque une irritation cutanée.

H318, Provoque de graves lésions des yeux.

H319, Provoque une sévère irritation des yeux.

H332, Nocif par inhalation.

H336, Peut provoquer somnolence ou vertiges.

Précisions sur les utilisations identifiées dont il est question dans la rubrique 1

Aucune connue.

Abréviations et acronymes

ANSI = L'American National Standards Institute

CAS = Numéro du Chemical Abstract Service

COV = Composés Organiques Volatils

DORS = Décrets, Ordonnances et Règlements Statutaires

DPNCA = Dangers physiques non classifiés ailleurs

DSNCA = Dangers pour la santé non classifiés ailleurs

ETA = Estimation de la Toxicité Aiguë

FBC = Facteur de Bioconcentration

IARC = Le Centre international de Recherche sur le Cancer (CIRC)

IATA = Association Internationale du Transport Aérien

IMDG = Maritime international des marchandises dangereuses

LES = Liste extérieure des substances

LogK_{ow} = Coefficient de partage octanol/eau

MARPOL = Convention internationale pour la prévention de la pollution par les navires de 1973, telle que modifiée par le Protocole de 1978. ("MARPOL" = pollution maritime)

NU = Nations Unies

OCDE = Organisation de Coopération et de Développement Economiques

RRN = Numéro d'enregistrement REACH

SCL = Limite de concentration spécifique (LCS).

SGH = Système Général Harmonisé de classification et d'étiquetage des produits chimiques

SIMDUT = Système d'information sur les matières dangereuses utilisées au travail

STEL = Limite d'exposition de courte durée

TDG = Transport des Marchandises Dangereuses

TSOC-ER = Toxicité Spécifique pour certains Organes Cibles - Exposition Répétée

TSOC-EU = Toxicité Spécifique pour certains Organes Cibles - Exposition Unique

TWA = Moyenne pondérée dans le temps

UVBC = Substances de composition inconnue ou variable, produits de réaction complexes ou matières biologiques

Autre

Sans objet.

Homologué par

Quality & Compliance

Autre

Les modifications par rapport à la dernière révision importante (premiers chiffres dans la fiche, voir rubrique 1) de cette fiche de données de sécurité sont repérées par un triangle.

Les informations de la présente fiche de données de sécurité sont seulement valables pour ce produit (indiqué à la rubrique 1) et ne sont pas nécessairement valables pour l'utilisation d'autres produits/produits chimiques.

Il est recommandé de donner cette fiche de données de sécurité à l'utilisateur effectif du produit. Les informations de ce document ne peuvent pas être utilisées comme spécification du produit.

Pays-langue : CA-fr

SICHERHEITSDATENBLATT

i.1 all-purpose cleaner FlexDose

ABSCHNITT 1: BEZEICHNUNG DES STOFFS BEZIEHUNGSWEISE DES GEMISCHS UND DES UNTERNEHMENS

1.1. Produktidentifikator

▼ *Handelsname:*

i.1 all-purpose cleaner FlexDose

1.2. Relevante identifizierte Verwendungen des Stoffs oder Gemischs und Verwendungen, von denen abgeraten wird

Relevante identifizierte Verwendungen des Stoffs oder Gemischs:

Wasch- und Reinigungsmittel (einschließlich Produkte auf Lösungsmittelbasis)
Nur für gewerbliche Anwender.

Verwendungen, von denen abgeraten wird:

Keine bekannt.

1.3. Einzelheiten zum Lieferanten, der das Sicherheitsdatenblatt bereitstellt

Firmenname und Adresse:

Hygeniq B.V.
Postbus 618
7500 AP Enschede
The Netherlands
+31 53 4282860
+31 53 5393865
www.hygeniq.com

Email:

info@hanos.nl

Überarbeitet am:

27.06.2025

SDB Version:

2.0

Datum der letzten Ausgabe:

02.06.2025 (1.0)

1.4. Notrufnummer

Tox Info Suisse: 145 (24 Stunden täglich)
Aus dem Ausland: +41 44 251 51 51
Siehe auch Abschnitt 4 zu Erste-Hilfe-Maßnahmen

ABSCHNITT 2: MÖGLICHE GEFAHREN

2.1. Einstufung des Stoffs oder Gemischs

Nicht eingestuft gemäß der Verordnung (EG) Nr. 1272/2008 (CLP).

2.2. Kennzeichnungselemente

Gefahrenpiktogramme:

Nicht zutreffend.

Signalwort:

Nicht zutreffend.

Gefahrenhinweise:

Nicht zutreffend.

Sicherheitshinweise:

Allgemeines:

-

Prävention:

-

Reaktion:

-

Lagerung:

-

Entsorgung:

-

Enthält:

Enthält keine meldepflichtigen Substanzen

Andere Kennzeichnungen:

EUH210, Sicherheitsdatenblatt auf Anfrage erhältlich.

Kennzeichnung der Inhaltsstoffe gemäß Verordnung über Detergenzien 648/2004 (gilt für Verpackungen von Reinigungsmitteln, die an die breite Öffentlichkeit verkauft werden):

>5% - <15%

· Nichtionische tenside

< 5%

· Anionische Tenside

· Bleichmittel auf Sauerstoffbasis

· Duftstoffe

· Konservierungsmittel (BENZISOTHIAZOLINONE)

2.3. Sonstige Gefahren

Anderes:

Diese Mischung/dieses Produkt enthält keine Substanzen, die den Kriterien für eine Klassifizierung als PBT- und/oder vPvB-Stoff entsprechen.

Dieses Produkt enthält keine Stoffe, die gemäß den Kriterien der Delegierten Verordnung (EU) 2017/2100 der Kommission oder der Verordnung (EU) 2023/707 der Kommission als endokrine Disruptoren gelten.

ABSCHNITT 3: ZUSAMMENSETZUNG/ANGABEN ZU BESTANDTEILEN

3.1. Stoffe

Nicht zutreffend. Dieses Produkt ist ein Gemisch.

3.2. Gemische

Produkt / Substanz	Identifikatoren	% w/w	Einstufung	Anm.
Alcohol, C13, bran., EO, sulfate Na~	CAS-Nr.: 150413-26-6 EG-Nr.: 688-316-0 REACH: Indexnr.:	1-3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 3, H412	
Wasserstoffperoxid	CAS-Nr.: 7722-84-1 EG-Nr.: 231-765-0 REACH: 01-2119485845-22-XXXX Indexnr.: 008-003-00-9	1-3%	Ox. Liq. 1, H271 Acute Tox. 4, H302 Skin Corr. 1A, H314 (SCL: 70.00 %) Skin Corr. 1B, H314 (SCL: 50.00 %) Skin Irrit. 2, H315 (SCL: 35.00 %) Eye Dam. 1, H318 (SCL: 8.00 %)	

			Eye Irrit. 2, H319 (SCL: 5.00 %) Acute Tox. 4, H332 STOT SE 3, H336 (SCL: 35.00 %)	
citroenzuurmonohydraat	CAS-Nr.: 5949-29-1 EG-Nr.: 611-842-9 REACH: 01-2119457026-42-XXXX Indexnr.:	<0.1%	Eye Irrit. 2, H319	
Disodium tin hexahydroxide	CAS-Nr.: 12027-70-2 EG-Nr.: 234-724-5 REACH: 01-2120770924-45-XXXX Indexnr.:	<0.05%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	[1]

Vollständiger Text der H-Sätze - siehe Abschnitt 16. Die Grenzwerte für die Exposition am Arbeitsplatz sind, wenn verfügbar, in Abschnitt 8 wiedergegeben.

Weitere Angaben

[1] Europäischer Grenzwert für die berufsbedingte Exposition.

ABSCHNITT 4: ERSTE-HILFE-MAßNAHMEN

4.1. Beschreibung der Erste-Hilfe-Maßnahmen

Allgemeine Hinweise:

Bei Unfällen: Arzt oder Erste-Hilfe-Raum aufsuchen - das Etikett oder dieses Sicherheitsdatenblatt mitbringen.
Bei anhaltenden Symptomen oder Zweifel über den Zustand des Geschädigten ist ärztliche Hilfe aufzusuchen.
Einem Bewusstlosen nie Wasser o.Ä. verabreichen.

Nach Einatmen:

Bei Atembeschwerden oder Reizung der Atemwege: Betroffenen an die frische Luft bringen und beaufsichtigen.

Nach Hautkontakt:

Bei Reizung: Produkt abwaschen. Bei andauernder Reizung: Arzt aufsuchen.

Nach Augenkontakt:

Bei Kontakt mit den Augen: Sofort mindestens 5 Minuten lang mit Wasser (20-30 °C) spülen. Ggf. Kontaktlinsen herausnehmen. Arzt aufsuchen.

Nach Verschlucken:

Wenn die Person bei Bewusstsein ist, den Mund mit Wasser ausspülen und bei der Person bleiben. Geben Sie der Person niemals etwas zu trinken. Bei Unwohlsein: Umgehend mit einem Arzt Kontakt aufnehmen und dieses Sicherheitsdatenblatt oder die Etikette des Produktes mitbringen.

Kein Erbrechen erzwingen, es sei denn, der Arzt empfiehlt es. Kopf nach unten halten, um zu vermeiden, dass Erbrochenes zurück in Mund und Hals läuft.

Verbrennung:

Nicht zutreffend.

4.2. Wichtigste akute und verzögert auftretende Symptome und Wirkungen

Keine bekannt.

4.3. Hinweise auf ärztliche Soforthilfe oder Spezialbehandlung

Symptomatische Behandlung.

Hinweise für den Arzt

Dieses Sicherheitsdatenblatt oder das Etikett des Produktes mitbringen.

ABSCHNITT 5: MAßNAHMEN ZUR BRANDBEKÄMPFUNG

5.1. Löschmittel

Nicht zutreffend.

5.2. Besondere vom Stoff oder Gemisch ausgehende Gefahren

Bei Feuer bildet sich dichter Rauch. Abbauproduktexposition kann eine gesundheitliche Gefahr bedeuten. Geschlossene, dem Feuer ausgesetzte Behälter sind mit Wasser zu kühlen. Löschwasser nicht in Kanalisation und Fließgewässer gelangen lassen.

Wenn das Produkt hohen Temperaturen ausgesetzt wird, beispielsweise bei Feuer, kann es zu gefährlichen Abbauprodukten kommen. Dabei handelt es sich um:

Kohlenmonoxide (CO / CO₂)

5.3. Hinweise für die Brandbekämpfung

Keine besonderen Anforderungen.

ABSCHNITT 6: MAßNAHMEN BEI UNBEABSICHTIGTER FREISETZUNG

6.1. Personenbezogene Vorsichtsmaßnahmen, Schutzausrüstungen und in Notfällen anzuwendende Verfahren

Sorgen Sie für ausreichende Belüftung, insbesondere in geschlossenen Räumen.

Kontaminierte Bereiche können rutschig sein.

6.2. Umweltschutzmaßnahmen

Einleitung in Seen, Bäche, Kanalisationen usw. vermeiden.

Halten Sie Unbefugte von dem verschütteten Produkt fern.

6.3. Methoden und Material für Rückhaltung und Reinigung

Verschüttetes Material wird mit nicht brennbaren absorbierenden Materialien wie etwa Sand, Erde, Vermiculit und Diatomeenerde eingedämmt und gemäß den geltenden Regeln in Behältern gesammelt und entsorgt.

Die Reinigung erfolgt soweit möglich mit Reinigungsmitteln. Lösungsmittel sind zu vermeiden.

6.4. Verweis auf andere Abschnitte

Siehe Abschnitt 13 "Hinweise zur Entsorgung" zur Handhabung von Abfällen.

Für Schutzmaßnahmen siehe Abschnitt 8 "Begrenzung und Überwachung der Exposition/Persönliche Schutzausrüstungen".

ABSCHNITT 7: HANDHABUNG UND LAGERUNG

7.1. Schutzmaßnahmen zur sicheren Handhabung

Rauchen, Verzehr von Lebensmitteln und Getränken sind im Arbeitsbereich nicht zulässig.

Siehe Abschnitt 8 zum Persönliche Schutzausrüstungen.

7.2. Bedingungen zur sicheren Lagerung unter Berücksichtigung von Unverträglichkeiten

Geöffnete Behälter sorgfältig verschließen und aufrecht lagern, um jegliches Auslaufen zu verhindern.

Geeigneten Verpackung:

Nur in Originalverpackung aufbewahren.

Lagerbedingungen:

Trocken, kühl und gut belüftet.

Unverträgliche Materialien:

Starke Säuren, starke Basen, starke Oxidationsmittel und starke Reduktionsmittel.

7.3. Spezifische Endanwendungen

Dieses Produkt sollte nur für Anwendungen in Abschnitt 1.2 verwendet werden.

ABSCHNITT 8: BEGRENZUNG UND ÜBERWACHUNG DER EXPOSITION/PERSÖNLICHE SCHUTZAUSRÜSTUNGEN

8.1. Zu überwachende Parameter

2-(2-ethoxyethoxy)ethanol

Arbeitsplatzgrenzwert (8 Stunden) (mg/m³): 50 einatembarer Staub(Gesamtstaub)

Kurzzeitwert (15 Minuten) (mg/m³): 100 einatembarer Staub(Gesamtstaub)

Bemerkungen:

SSC = Eine Schädigung der Leibesfrucht braucht bei Einhaltung des MAK-Wertes nicht befürchtet zu werden.

Wasserstoffperoxid

Arbeitsplatzgrenzwert (8 Stunden) (mg/m³): 1,4

Kurzzeitwert (15 Minuten) (ppm): 2

Kurzzeitwert (15 Minuten) (mg/m³): 2,8

Arbeitsplatzgrenzwert (8 Stunden) (ppm): 1

Bemerkungen:

SSC = Eine Schädigung der Leibesfrucht braucht bei Einhaltung des MAK-Wertes nicht befürchtet zu werden.

Grenzwerte am Arbeitsplatz: MAK-/BAT-Werte (Erläuterungen), physikalische Einwirkungen, physische Belastungen.
(Publikationsnummer 1903.d)

DNEL

1,2-Benzisothiazol-3(2H)-on; 1,2-Benzisothiazolin-3-on; 1,2-Benzisothiazolin-3-on

Prüfdauer:	Expositionswege:	DNEL:
Langfristig – Systemische Auswirkungen - Allgemeine Bevölkerung	Dermal	0.345 mg/kg
Langfristig – Systemische Auswirkungen - Arbeiter	Dermal	966 µg/kg/Tag
Langfristig – Systemische Auswirkungen - Allgemeine Bevölkerung	Inhalation	1.2 mg/m ³
Langfristig – Systemische Auswirkungen - Arbeiter	Inhalation	6.81 mg/m ³

2-(2-ethoxyethoxy)ethanol

Prüfdauer:	Expositionswege:	DNEL:
Langfristig – Systemische Auswirkungen - Allgemeine Bevölkerung	Dermal	25 mg/kg/day
Langfristig – Systemische Auswirkungen - Arbeiter	Dermal	50 mg/kg/Tag
Langfristig – Systemische Auswirkungen - Arbeiter	Dermal	83 mg/kg/day
Langfristig – Örtliche Auswirkungen - Allgemeine Bevölkerung	Inhalation	18,3 mg/m ³
Langfristig – Örtliche Auswirkungen - Allgemeine Bevölkerung	Inhalation	18 mg/m ³
Langfristig – Örtliche Auswirkungen - Arbeiter	Inhalation	18 mg/m ³
Langfristig – Örtliche Auswirkungen - Arbeiter	Inhalation	30 mg/m ³
Langfristig – Systemische Auswirkungen - Arbeiter	Inhalation	37 mg/m ³
Langfristig – Systemische Auswirkungen - Arbeiter	Inhalation	61 mg/m ³
Langfristig – Systemische Auswirkungen - Allgemeine Bevölkerung	Oral	25 mg/kg/Tag

Disodium tin hexahydroxide

Prüfdauer:	Expositionswege:	DNEL:
Langfristig – Systemische Auswirkungen - Allgemeine Bevölkerung	Dermal	1.21 mg/kg/Tag
Langfristig – Systemische Auswirkungen - Arbeiter	Dermal	3.37 mg/kg/Tag
Langfristig – Systemische Auswirkungen - Allgemeine Bevölkerung	Inhalation	1.78 mg/m ³
Langfristig – Systemische Auswirkungen - Arbeiter	Inhalation	11.9 mg/m ³
Langfristig – Systemische Auswirkungen - Allgemeine Bevölkerung	Oral	1.21 mg/kg/Tag

Wasserstoffperoxid

Prüfdauer:	Expositionswege:	DNEL:
Kurzfristig – Örtliche Auswirkungen - Allgemeine Bevölkerung	Inhalation	1.93 mg/m ³
Kurzfristig – Örtliche Auswirkungen - Arbeiter	Inhalation	3 mg/m ³
Langfristig – Örtliche Auswirkungen - Allgemeine Bevölkerung	Inhalation	0,21 mg/m ³
Langfristig – Örtliche Auswirkungen - Allgemeine Bevölkerung	Inhalation	210 µg/m ³

Langfristig – Örtliche Auswirkungen - Arbeiter	Inhalation	1.4 mg/m ³

PNEC

1,2-Benzisothiazol-3(2H)-on; 1,2-Benzisothiazolin-3-on; 1,2-Benzisothiazolin-3-on

Expositionswege:	Dauer der Aussetzung:	PNEC:
Erde		3 mg/kg
Kläranlagen		1.03 mg/L
Pulsierende Freisetzung (Seewasser)		110 ng/L
Pulsierende Freisetzung (Süßwasser)		1.1 µg/L
Seewasser		403 ng/L
Seewassersedimente		4.99 µg/kg
Süßwasser		4.03 µg/L
Süßwassersedimente		49.9 µg/kg

2-(2-ethoxyethoxy)ethanol

Expositionswege:	Dauer der Aussetzung:	PNEC:
Erde		0,15 mg/kg
Erde		0.732 mg/kg
Erde		0.34 mg/kg
Kläranlagen		500 mg/L
Pulsierende Freisetzung		10 mg/L
Pulsierende Freisetzung (Süßwasser)		10 mg/L
Seewasser		0,074 mg/L
Seewasser		0.198 mg/L
Seewassersedimente		0,274 mg/kg
Süßwasser		0,74 mg/L
Süßwasser		1.98 mg/L
Süßwassersedimente		2,47 mg/kg
Süßwassersedimente		7.32 mg/kg

Disodium tin hexahydroxide

Expositionswege:	Dauer der Aussetzung:	PNEC:
Kläranlagen		10 mg/L
Pulsierende Freisetzung (Seewasser)		33.1 µg/L
Pulsierende Freisetzung (Süßwasser)		331 µg/L
Seewasser		3.31 µg/L
Seewassersedimente		139.46 µg/kg
Süßwasser		33.1 µg/L
Süßwassersedimente		1.395 mg/kg

Wasserstoffperoxid

Expositionswege:	Dauer der Aussetzung:	PNEC:
Erde		0,023 mg/kg
Erde		2.3 µg/kg
Kläranlagen		4.66 mg/L
Kläranlagen		4.66 mg/L

Pulsierende Freisetzung (Süßwasser)		13.8 µg/L
Seewasser		0,047 mg/L
Seewasser		12.6 µg/L
Seewassersedimente		0,047 mg/L
Seewassersedimente		47 µg/kg
Süßwasser		0,0126 mg/L
Süßwasser		12.6 µg/L
Süßwassersedimente		0,047 mg/kg
Süßwassersedimente		47 µg/kg

8.2. Begrenzung und Überwachung der Exposition

Es wird empfohlen die Einhaltung der angegebenen Grenzwerte regelmäßig zu kontrollieren.

Allgemeine Hinweise:

Rauchen, Verzehr von Lebensmitteln und Getränken sind im Arbeitsbereich nicht zulässig.

Expositionsszenarien:

Für dieses Produkt wurden keine Expositionsszenarien implementiert.

Expositionsgrenzwerte:

Für berufliche Benutzer gelten in Bezug auf die maximalen Expositionskonzentrationen die gesetzlichen Vorschriften zu Arbeitshygiene. Siehe die obigen arbeitshygienische Grenzwerte.

Zusätzliche Hinweise zur Gestaltung technischer Anlagen:

Dampfbildung muss auf ein Minimum reduziert werden und unter den aktuellen Grenzwerten liegen (siehe oben). Wenn der reguläre Luftstrom im Arbeitsraum nicht ausreichend ist, wird die Installation eines lokalen Abluftsystems empfohlen. Not- und Augenduschen müssen deutlich gekennzeichnet sind. Es gelten die üblichen Vorkehrungsmaßnahmen bei der Verwendung des Produkts. Einatmen von Dämpfen vermeiden.

Hygienemaßnahmen:

Bei jeder Pause in der Produktnutzung und bei Ende der Arbeiten sind exponierte Körperteile zu waschen. Besonders auf Hände, Unterarme und Gesicht achten.

Begrenzung der Umweltexposition:

Keine besonderen Anforderungen.

Individuelle Schutzmaßnahmen

Allgemeine Schutzmaßnahmen:

Nur Schutzausrüstung mit CE-Kennzeichnung verwenden.

Atemschutz:

Typ	Klasse	Farbe	Normen	
Keine Besonderheiten bei normal vorgesehenem Gebrauch.				

Körperschutz:

Empfohlen	Typ/Kategorien	Normen	
Keine Besonderheiten bei normal vorgesehenem Gebrauch.	-	-	

Handschutz:

Arbeitssituation	Material	Minimale Schichtdicke (mm)	Durchbruchzeit (min.)	Normen	
	Keine Besonderheiten	-	-	-	

Arbeitssituation	Material	Minimale Schichtdicke (mm)	Durchbruchzeit (min.)	Normen	
	bei normal vorgesehenem Gebrauch				
Im Falle längere Exposition oder bei hoher Konzentration	Baumwolle / Latex	-	> 120	EN374-2, EN16523-1, EN388	

Augenschutz:

Arbeitssituation	Typ	Normen	
	Keine Besonderheiten bei normal vorgesehenem Gebrauch.	-	
Im Falle längere Exposition oder bei hoher Konzentration	Schutzbrille mit Seitenschutz tragen	EN166	

ABSCHNITT 9: PHYSIKALISCHE UND CHEMISCHE EIGENSCHAFTEN

9.1. Angaben zu den grundlegenden physikalischen und chemischen Eigenschaften

Form:

Flüssig

Farbe:

Farblos

Geruch / Geruchsschwelle (ppm):

Parfümiert

pH:

ca. 4.8

Dichte (g/cm³):

1.02 (20 °C)

Kinematische Viskosität:

Es liegen keine Daten vor.

Partikeleigenschaften:

Gilt nicht für Flüssigkeiten.

Zustandsänderungen

Schmelzpunkt/Gefrierpunkt (°C):

Es liegen keine Daten vor.

Erweichungspunkt/ -bereich (°C):

Gilt nicht für Flüssigkeiten.

Siedepunkt (°C):

Es liegen keine Daten vor.

Dampfdruck:

Es liegen keine Daten vor.

Relative Dampfdichte:

Es liegen keine Daten vor.

Zersetzungstemperatur (°C):

Es liegen keine Daten vor.

Explosions und Feuer Daten

Flammpunkt (°C):

Es liegen keine Daten vor.

Entzündbarkeit (°C):

Es liegen keine Daten vor.

Zündtemperatur (°C):

Es liegen keine Daten vor.

Explosionsgrenzen (% v/v):

Es liegen keine Daten vor.

Löslichkeit

Löslichkeit in Wasser:

Vollständig löslich

n-Octanol/Wasser Verteilungskoeffizient (LogKow):

Es liegen keine Daten vor.

Löslichkeit in Fett (g/L):

Es liegen keine Daten vor.

9.2. Sonstige Angaben

Weitere physikalische und chemische Parameter:

Es liegen keine Daten vor.

Brandfördernde Eigenschaften:

Es liegen keine Daten vor.

ABSCHNITT 10: STABILITÄT UND REAKTIVITÄT

10.1. Reaktivität

Es liegen keine Daten vor.

10.2. Chemische Stabilität

Das Produkt ist unter den in Abschnitt 7 aufgeführten Bedingungen stabil.

10.3. Möglichkeit gefährlicher Reaktionen

Keine bekannt.

10.4. Zu vermeidende Bedingungen

Keine bekannt.

10.5. Unverträgliche Materialien

Starke Säuren, starke Basen, starke Oxidationsmittel und starke Reduktionsmittel.

10.6. Gefährliche Zersetzungsprodukte

Unter normalen Lagerungs- und Verwendungsbedingungen sollten keine gefährlichen Zersetzungsprodukte entstehen.

ABSCHNITT 11: TOXIKOLOGISCHE ANGABEN

11.1. Angaben zu den Gefahrenklassen im Sinne der Verordnung (EG) Nr. 1272/2008

Akute Toxizität

Produkt / Substanz	2-(2-ethoxyethoxy)ethanol
Spezies:	Ratte
Expositionswegen:	Inhalation
Test:	LC0
Ergebnis:	0,025 mg/L

Produkt / Substanz	2-(2-ethoxyethoxy)ethanol
Prüfmethode:	OECD 402
Spezies:	Kaninchen
Expositionswegen:	Dermal
Test:	LD50

Ergebnis: 9143 mg/kg

Produkt / Substanz 2-(2-ethoxyethoxy)ethanol
Spezies: Maus
Expositionswegen: Oral
Test: LD50
Ergebnis: 6031 mg/kg

Produkt / Substanz Wasserstoffperoxid
Spezies: Ratte
Expositionswegen: Oral
Test: LD50
Ergebnis: 1.193 - 1.270 mg/L

Produkt / Substanz Wasserstoffperoxid
Spezies: Kaninchen
Expositionswegen: Dermal
Test: LD50
Ergebnis: >2.000 (35% oplossing) mg/kg

Produkt / Substanz 1,2-Benzisothiazol-3(2H)-on; 1,2-Benzisothiazolin-3-on;1,2-Benzisothiazolin-3-on
Spezies: Ratte
Expositionswegen: Oral
Test: LD50
Ergebnis: 500 mg/kg

Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.

Ätz-/Reizwirkung auf die Haut

Produkt / Substanz 2-(2-ethoxyethoxy)ethanol
Ergebnis: Keine schädlichen Wirkungen beobachtet (Nicht reizend)

Produkt / Substanz Wasserstoffperoxid
Ergebnis: Schädliche Wirkungen beobachtet (Reizend)

Produkt / Substanz 1,2-Benzisothiazol-3(2H)-on; 1,2-Benzisothiazolin-3-on;1,2-Benzisothiazolin-3-on
Prüfmethode: OECD 404
Ergebnis: Schädliche Wirkungen beobachtet (Reizend)

Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.

Schwere Augenschädigung/-reizung

Produkt / Substanz 2-(2-ethoxyethoxy)ethanol
Ergebnis: Schädliche Wirkungen beobachtet (Leicht reizend)

Produkt / Substanz Wasserstoffperoxid
Ergebnis: Schädliche Wirkungen beobachtet (Verursacht schwere Augenschäden)

Produkt / Substanz 1,2-Benzisothiazol-3(2H)-on; 1,2-Benzisothiazolin-3-on;1,2-Benzisothiazolin-3-on
Prüfmethode: OECD 405
Ergebnis: Schädliche Wirkungen beobachtet (Verursacht schwere Augenschäden)

Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.

Sensibilisierung der Atemwege

Produkt / Substanz Wasserstoffperoxid
Ergebnis: Keine schädlichen Wirkungen beobachtet (nicht sensibilisierend)

Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.

Sensibilisierung der Haut

Produkt / Substanz 1,2-Benzisothiazol-3(2H)-on; 1,2-Benzisothiazolin-3-on;1,2-Benzisothiazolin-3-on
Prüfmethode: OECD 429
Spezies: Maus

Ergebnis: Schädliche Wirkungen beobachtet (sensibilisierende)

Produkt / Substanz 1,2-Benzisothiazol-3(2H)-on; 1,2-Benzisothiazolin-3-on;1,2-Benzisothiazolin-3-on
Prüfmethode: OECD 406
Spezies: Meerschweinchen
Ergebnis: Schädliche Wirkungen beobachtet (sensibilisierende)

Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.

Keimzell-Mutagenität

Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.

Karzinogenität

Produkt / Substanz Wasserstoffperoxid
Ergebnis: Keine schädlichen Wirkungen beobachtet

Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.

Reproduktionstoxizität

Produkt / Substanz Wasserstoffperoxid
Ergebnis: Keine schädlichen Wirkungen beobachtet

Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.

Spezifische Zielorgan-Toxizität bei einmaliger Exposition

Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.

Spezifische Zielorgan-Toxizität bei wiederholter Exposition

Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.

Aspirationsgefahr

Produkt / Substanz Wasserstoffperoxid

Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.

11.2. Angaben über sonstige Gefahren

Zusätzliche toxikologische Hinweise

Keine bekannt.

Endokrinschädlichen Eigenschaften

Diese Mischung/dieses Produkt enthält keine Substanzen, von denen angenommen wird, dass sie in Bezug auf die Gesundheit hormonstörende Eigenschaften aufweisen.

Sonstige Angaben

Wasserstoffperoxid : Der Stoff wurde von der IARC in Gruppe 3 eingestuft.

ABSCHNITT 12: UMWELTBEZOGENE ANGABEN

12.1. Toxizität

Produkt / Substanz 2-(2-ethoxyethoxy)ethanol
Spezies: Bakterien
Prüfdauer: 16 hours
Ergebnis: > 5000 mg/L

Produkt / Substanz 2-(2-ethoxyethoxy)ethanol
Prüfmethode: OECD 201
Spezies: Algen, Desmodesmus subspicatus
Prüfdauer: 96 Stunden
Test: EC50
Ergebnis: >100 mg/L

Produkt / Substanz 2-(2-ethoxyethoxy)ethanol
Prüfmethode: OECD 202
Spezies: Daphnia magna
Prüfdauer: 48 Stunden
Test: EC50

Ergebnis: 1982 mg/L

Produkt / Substanz 2-(2-ethoxyethoxy)ethanol
Prüfmethode: OECD 203
Spezies: Fisch, Ictalurus catus
Prüfdauer: 96 Stunden
Test: LC50
Ergebnis: 6010 mg/L

Produkt / Substanz Wasserstoffperoxid
Spezies: Fisch, Pimephales promelas
Prüfdauer: 96 Stunden
Test: LC50
Ergebnis: 16,4 mg/L

Produkt / Substanz Wasserstoffperoxid
Spezies: Fisch, Leuciscus idus
Prüfdauer: 72 Stunden
Test: LC50
Ergebnis: 35 mg/L

Produkt / Substanz Wasserstoffperoxid
Spezies: Fisch, Oncorhynchus mykiss
Prüfdauer: 7 Tage
Test: LC50
Ergebnis: 38,5 mg/L

Produkt / Substanz Wasserstoffperoxid
Spezies: Daphnia pulex
Prüfdauer: 48 Stunden
Test: EC50
Ergebnis: 2,4 mg/L

Produkt / Substanz Wasserstoffperoxid
Spezies: Daphnia magna
Prüfdauer: 24 Stunden
Test: EC50
Ergebnis: 7,7 mg/L

Produkt / Substanz Wasserstoffperoxid
Spezies: Skeletonema costatum
Prüfdauer: 72 Stunden
Test: EC50
Ergebnis: 1,38 mg/L

Produkt / Substanz Wasserstoffperoxid
Prüfmethode: OECD 209
Spezies: Bakterien
Umwelt-kompartiment : Aktivierte Kläranlage
Prüfdauer: 30 minutes
Test: EC50
Ergebnis: 466 mg/L

Produkt / Substanz Wasserstoffperoxid
Prüfmethode: OECD 209
Spezies: Bakterien
Umwelt-kompartiment : Aktivierte Kläranlage
Prüfdauer: 3 Stunden
Test: EC50
Ergebnis: > 1.000 mg/L

Produkt / Substanz	1,2-Benzisothiazol-3(2H)-on; 1,2-Benzisothiazolin-3-on;1,2-Benzisothiazolin-3-on
Spezies:	Fisch
Prüfdauer:	96 Stunden
Test:	LC50
Ergebnis:	>0.1-1 mg/L

Produkt / Substanz	1,2-Benzisothiazol-3(2H)-on; 1,2-Benzisothiazolin-3-on;1,2-Benzisothiazolin-3-on
Spezies:	Krustentier
Prüfdauer:	48 Stunden
Test:	EC50
Ergebnis:	>0.1-1 mg/L

Produkt / Substanz	1,2-Benzisothiazol-3(2H)-on; 1,2-Benzisothiazolin-3-on;1,2-Benzisothiazolin-3-on
Spezies:	Algen
Prüfdauer:	72 Stunden
Test:	EC50
Ergebnis:	>0.1-1 mg/L

Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.

12.2. Persistenz und Abbaubarkeit

Produkt / Substanz	2-(2-ethoxyethoxy)ethanol
Ergebnis:	100 %
Ergebnis:	Leichte biologische Abbaubarkeit
Test:	OECD 301 B

Produkt / Substanz	Alcohol, C13, bran., EO, sulfate Na~
Ergebnis:	> 60 %
Ergebnis:	Leichte biologische Abbaubarkeit
Test:	OECD 301 B

Produkt / Substanz	Wasserstoffperoxid
Ergebnis:	Leichte biologische Abbaubarkeit

Produkt / Substanz	1,2-Benzisothiazol-3(2H)-on; 1,2-Benzisothiazolin-3-on;1,2-Benzisothiazolin-3-on
Ergebnis:	90%
Ergebnis:	Leichte biologische Abbaubarkeit
Test:	OECD 302

Das in dieser Zubereitung enthaltene Tensid erfüllt (Die in dieser Zubereitung enthaltenen Tenside erfüllen) die Bedingungen der biologischen Abbaubarkeit wie sie in der Verordnung (EG) Nr. 648/2004 über Detergenzien festgelegt sind. Unterlagen, die dies bestätigen, werden für die zuständigen Behörden der Mitgliedsstaaten bereit gehalten und nur diesen entweder auf ihre direkte oder auf Bitte eines Detergentienherstellers hin zur Verfügung gestellt.

12.3. Bioakkumulationspotenzial

Produkt / Substanz	2-(2-ethoxyethoxy)ethanol
Ergebnis:	Leichte biologische Abbaubarkeit

Produkt / Substanz	2-(2-ethoxyethoxy)ethanol
Ergebnis:	-

Produkt / Substanz	Wasserstoffperoxid
LogKow:	-1,57
Ergebnis:	-

Produkt / Substanz	1,2-Benzisothiazol-3(2H)-on; 1,2-Benzisothiazolin-3-on;1,2-Benzisothiazolin-3-on
BCF:	2
LogKow:	1.45
Ergebnis:	Potenzial zur Bioakkumulation ist gering

12.4. Mobilität im Boden

Es liegen keine Daten vor.

12.5. Ergebnisse der PBT- und vPvB-Beurteilung

Diese Mischung/dieses Produkt enthält keine Substanzen, die den Kriterien für eine Klassifizierung als PBT- und/oder vPvB-Stoff entsprechen.

12.6. Endokrinschädlichen Eigenschaften

Diese Mischung/dieses Produkt enthält keine Substanzen, von denen angenommen wird, dass sie in Bezug auf die Umwelt endokrinschädigende Eigenschaften aufweisen.

12.7. Andere schädliche Wirkungen

Keine bekannt.

ABSCHNITT 13: HINWEISE ZUR ENTSORGUNG

13.1. Verfahren der Abfallbehandlung

Das Produkt sollte als gefährlicher Abfall behandelt werden. (*)

HP 4 - reizend (Hautreizung und Augenschädigung)

VERORDNUNG (EU) Nr. 1357/2014 der Kommission vom 18. Dezember 2014 über Abfälle.

Abfallschlüsselnr. (EWC):

20 01 30

Reinigungsmittel mit Ausnahme derjenigen, die unter 20 01 29 fallen

Ungereinigte Verpackungen

Verpackungen mit Produktrückständen sind nach den gleichen Bedingungen zu entsorgen, wie das Produkt selbst.

ABSCHNITT 14: ANGABEN ZUM TRANSPORT

	14.1 UN	14.2 Ordnungsgemäße UN- Versandbezeichnung	14.3 Transportgefahrenklassen	14.4 PG*	14.5. Env**	Weitere Angaben:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Verpackungsgruppe

** Umweltgefahren

Anderes

Kein Gefahrgut nach ADR, IATA und IMDG.

14.6. Besondere Vorsichtsmaßnahmen für den Verwender

Nicht zutreffend.

14.7. Massengutbeförderung auf dem Seeweg gemäß IMO-Instrumenten

Es liegen keine Daten vor.

ABSCHNITT 15: RECHTSVORSCHRIFTEN

15.1. Vorschriften zu Sicherheit, Gesundheits- und Umweltschutz/spezifische Rechtsvorschriften für den Stoff oder das Gemisch

Nutzungsbeschränkungen:

Nur für gewerbliche Anwender.

Bedarf für spezielle Schulung:

Keine besonderen Anforderungen.

Der Störfallverordnung - Gefahrenkategorien / Namentlich aufgeführte gefährliche Stoffe:

Nicht zutreffend.

Verordnung von Ausgangsstoffen für Explosivstoffe:

Wasserstoffperoxid (Anhang I)

Kennzeichnung der Inhaltsstoffe gemäß Verordnung über Detergenzien 648/2004:

>5% - <15%

· Nichtionische tenside

< 5%

· Anionische Tenside

· Bleichmittel auf Sauerstoffbasis

· Duftstoffe

· Konservierungsmittel (BENZISOTHIAZOLINONE)

WGK-Einstufung:

Wassergefährdungsklasse: WGK 3

Anderes:

Das in dieser Zubereitung enthaltene Tensid erfüllt (Die in dieser Zubereitung enthaltenen Tenside erfüllen) die Bedingungen der biologischen Abbaubarkeit wie sie in der Verordnung (EG) Nr. 648/2004 über Detergenzien festgelegt sind. Unterlagen, die dies bestätigen, werden für die zuständigen Behörden der Mitgliedsstaaten bereit gehalten und nur diesen entweder auf ihre direkte oder auf Bitte eines Detergentienherstellers hin zur Verfügung gestellt.

Verwendete Quellen:

SR 814.81 Verordnung zur Reduktion von Risiken beim Umgang mit bestimmten besonders gefährlichen Stoffen, Zubereitungen und Gegenständen (Chemikalien-Risikoreduktions-Verordnung, ChemRRV) vom 18. Mai 2005 (Anhang 2.1)

SR 814.610 Verordnung über den Verkehr mit Abfällen (VeVA) vom 22. Juni 2005 (Stand am 1. Januar 2020)

SR 814.610.1 Verordnung des UVEK über Listen zum Verkehr mit Abfällen vom 18. Oktober 2005 (Stand am 1. Januar 2018)

Verordnung (EU) 2019/1148 von Ausgangsstoffen für Explosivstoffe.

SR 813.11 Verordnung über den Schutz vor gefährlichen Stoffen und Zubereitungen (Chemikalienverordnung, ChemV) vom 5. Juni 2015 (Stand am 1. April 2020)

15.2. Stoffsicherheitsbeurteilung

Nein

ABSCHNITT 16: SONSTIGE ANGABEN

H-Sätze (Abschnitt 3)

H271, Kann Brand oder Explosion verursachen; starkes Oxidationsmittel.

H302, Gesundheitsschädlich bei Verschlucken.

H314, Verursacht schwere Verätzungen der Haut und schwere Augenschäden.

H315, Verursacht Hautreizungen.

H318, Verursacht schwere Augenschäden.

H319, Verursacht schwere Augenreizung.

H332, Gesundheitsschädlich bei Einatmen.

H335, Kann die Atemwege reizen.

H336, Kann Schläfrigkeit und Benommenheit verursachen.

H412, Schädlich für Wasserorganismen, mit langfristiger Wirkung.

Abkürzungen und Akronyme

ADN = Europäisches Übereinkommen über die internationale Beförderung von gefährlichen Gütern auf Binnenwasserstrassen

ADR = Europäisches Übereinkommen über die internationale Beförderung gefährlicher Güter auf der Strasse

ak = andere kontrollpflichtige Abfälle

akb = andere kontrollpflichtige Abfälle mit Begleitscheinpflicht

ATE = Schätzwert akute Toxizität

BCF = Biokonzentrationsfaktor

CAS = Chemical Abstracts Service

CE = Conformité Européenne (Europäische Konformität)

CLP = Verordnung über die Einstufung, Kennzeichnung und Verpackung [Verordnung (EG) Nr. 1272/2008]

CSA = Stoffsicherheitsbeurteilung

CSR = Stoffsicherheitsbericht
DMEL = Abgeleiteter Minimaler-Effekt-Grenzwert
DNEL = Abgeleiteter Nicht-Effekt-Grenzwert
EAK = Europäischer Abfallkatalog
EINECS = Altstoffverzeichnis
ES = Expositionsszenario EUH-Satz = CLP-spezifischer Gefahrenhinweis
EuPCS = Europäisches Produktkategorisierungssystem
GHS = Global harmonisiertes System zur Einstufung und Kennzeichnung von Chemikalien
GWP = Potenzial zur Erwärmung der Erdatmosphäre
IATA = Internationale Flug-Transport-Vereinigung
IBC = Intermediate Bulk Container
IMDG = Gefährliche Güter im internationalen Seeschiffsverkehr
LogPow = Dekadischer Logarithmus des Oktanol-Wasser-Verteilungskoeffizienten
MARPOL = Internationales Übereinkommen von 1973 zur Verhütung der Meeresverschmutzung durch Schiffe in der Fassung des Protokolls von 1978. ("Marpol" = marine pollution)
nwg = Nicht wassergefährdend
OECD = Organisation für wirtschaftliche Zusammenarbeit und Entwicklung
PBT = Persistent, bioakkumulierbar und toxisch
PNEC = Abgeschätzte Nicht-Effekt-Konzentration
RID = Regelung zur internationalen Eisenbahnbeförderung gefährlicher Güter
RRN = REACH Registriernummer
S = Sonderabfälle
SCL = Spezifischen Konzentrationsgrenzwert.
SVHC = Besonders besorgniserregende Substanzen
STOT-RE = Spezifische Zielorgan-Toxizität - Wiederholte Exposition
STOT-SE = Spezifische Zielorgan-Toxizität - Einmalige Exposition
UN = Vereinigte Nationen
UVCB = Stoffe mit unbekannter oder variabler Zusammensetzung, komplexe Reaktionsprodukte und biologische Materialien.
VOC = Flüchtige organische Verbindungen
vPvB = Sehr persistent und sehr bioakkumulierbar
WGK = Wassergefährdungsklasse

Anderes

Nicht zutreffend.

Sicherheitsdatenblatt abgenommen durch

Quality & Compliance

Anderes

Änderungen im Verhältnis zur letzten umfassenden Revision (erste Ziffer in der SDS-Version, s. Abschnitt 1) dieses Sicherheitsdatenblatts sind mit einem Dreieck markiert.

Angaben in diesem Sicherheitsdatenblatt gelten nur für das Produkt in Abschnitt 1 und gelten nicht unbedingt bei Einsatz zusammen mit anderen Produkten.

Es wird empfohlen, dem tatsächlichen Produktbenutzer dieses Sicherheitsdatenblatt auszuhändigen. Die erwähnten Angaben sind nicht als Produktspezifikation zu verwenden.

Land-sprache: CH-de

HOJAS DE DATOS DE SEGURIDAD

i.1 all-purpose cleaner FlexDose

SECCIÓN 1. IDENTIFICACIÓN DE LA SUSTANCIA O MEZCLA Y DE LA SOCIEDAD O EMPRESA

Nombre de la sustancia química peligrosa o mezcla

▼ *Nombre comercial:*

i.1 all-purpose cleaner FlexDose

Uso recomendado de la sustancia química peligrosa o mezcla, y restricciones de uso

Usos pertinentes identificados de la sustancia o de la mezcla:

Agentes de lavado y limpieza (incluso a base de disolventes)
Reservado exclusivamente a usuarios profesionales.

Usos desaconsejados:

Ningunos conocidos.

Datos del proveedor o fabricante

Nombre y dirección de la empresa:

Hygeniq B.V.
Postbus 618
7500 AP Enschede
The Netherlands
+31 53 4282860
+31 53 5393865
www.hygeniq.com

Correo electrónico:

info@hygeniq.com

HDS diseñada el:

27-06-2025

Versión HDS:

2.0

Fecha de la emisión anterior:

02-06-2025 (1.0)

Número de teléfono en caso de emergencia

CITUC Información Toxicológica
Emergencias químicas: Tel: +56 2 2 247 3600 (24h/365 días)
Consulte la sección 4 para obtener información sobre primeros auxilios.

SECCIÓN 2. IDENTIFICACIÓN DEL PELIGRO O LOS PELIGROS

Clasificación de la sustancia o de la mezcla

No clasificado de acuerdo con el Reglamento de clasificación, etiquetado y notificación de sustancias químicas y mezclas peligrosas.

Elementos de la señalización

Pictogramas de precaución:

No aplicable.

Palabra de advertencia:

No aplicable.

Indicaciones de peligro:

No aplicable.

Consejos de prudencia:

Generalidades:

-

Prevención:

-

Intervención:

-

Almacenamiento:

-

Eliminación:

-

Identificación de las sustancias principalmente responsables de los riesgos graves para la salud:

No contiene sustancias que haga falta notificar

Etiquetado adicional:

No aplicable.

SECCIÓN 3. COMPOSICIÓN/INFORMACIÓN SOBRE LOS COMPONENTES

Sustancias

No aplicable. Este producto es una mezcla.

Mezclas

Producto / ingrediente	Identificadores	% w/w	Clasificación	Notas
Alcohol, C13, bran., EO, sulfate Na~	N° CAS: 150413-26-6 N° CE: 688-316-0	1-3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 3, H412	
peróxido de hidrógeno en disolución 35%; agua oxigenada 35%	N° CAS: 7722-84-1 N° CE: 231-765-0	1-3%	Ox. Liq. 1, H271 Acute Tox. 4, H302 Skin Corr. 1, H314 Skin Corr. 1A, H314 (SCL: 70,00 %) Skin Corr. 1B, H314 (SCL: 50,00 %) Skin Irrit. 2, H315 (SCL: 35,00 %) Eye Dam. 1, H318 (SCL: 8,00 %) Eye Irrit. 2, H319 (SCL: 5,00 %) Acute Tox. 4, H332 STOT SE 3, H336 (SCL: 35,00 %)	
citroenzuurmonohydraat	N° CAS: 5949-29-1 N° CE: 611-842-9	<0.1%	Eye Irrit. 2, H319	

La redacción completa de las frases H se encuentra en la sección 16. Los límites de las condiciones laborales correctas se mencionan en la sección 8, siempre y cuando sean accesibles.

Otra información

-

SECCIÓN 4. PRIMEROS AUXILIOS

Descripción de los primeros auxilios

General:

En caso de accidente: Póngase en contacto con el médico o vaya a emergencias. Llévese la etiqueta o esta hoja de datos de seguridad.

Si los síntomas son permanentes o si tiene alguna duda sobre la situación del accidentado, consulte a un médico. Nunca dé agua ni nada parecido a una persona inconsciente.

Inhalación:

En caso de náuseas: Llevar a la persona al aire fresco.

Contacto con la piel:

En caso de irritación: Aclarar el producto. En caso de irritación persistente: Buscar un médico.

Contacto con los ojos:

Aclarar suavemente con agua tibia. Quítense las lentillas si le resulta fácil hacerlo. Seguir aclarando. En caso de irritación o molestias oculares persistentes: acudir al médico.

Ingestión:

Enjuagarse la boca y beber mucha agua. En caso de que las náuseas persistan: buscar un médico y enseñarle ésta hoja de seguridad.

Quemadura:

No aplicable.

Síntomas y efectos más importantes, agudos y crónicos

Ningunos conocidos.

Indicación de la necesidad de recibir atención médica inmediata y, en su caso, tratamiento especial

Tratar sintomáticamente.

Explicación para el médico

Lleve esta hoja de datos de seguridad o la etiqueta del material.

SECCIÓN 5. MEDIDAS DE LUCHA CONTRA INCENDIOS

Medios de extinción apropiados

No aplicable.

Peligros específicos de las sustancias químicas peligrosas o mezclas

En caso de incendio se genera un humo denso. La exposición a productos en descomposición puede representar un peligro para la salud. Los contenedores cerrados expuestos al fuego deben enfriarse con agua. No deje que el agua utilizada para apagar el fuego se vierta en la alcantarillado ni cursos de agua.

Si el producto queda expuesto a altas temperaturas, por ejemplo en caso de incendio, pueden generarse productos en descomposición peligrosos. En concreto:

Óxidos de carbono (CO / CO₂)

Medidas especiales que deberán seguir los grupos de combate contra incendio

No tiene requisitos específicos.

SECCIÓN 6. MEDIDAS QUE DEBEN TOMARSE EN CASO DE VERTIDO/DERRAME ACCIDENTAL

Precauciones personales, equipos de protección y procedimientos de emergencia

Asegure una ventilación adecuada, especialmente en áreas confinadas.

Las áreas contaminadas pueden ser resbaladizas.

Precauciones relativas al medio ambiente

Evite los vertidos en lagos, ríos, alcantarillas y demás.

Mantenga a las personas no autorizadas alejadas del derrame.

Métodos y materiales para la contención y limpieza de derrames o fugas

Contenga y recoja los derrames con material absorbente no combustible, por ejemplo: arena, tierra, vermiculita o tierra de diatomeas y colocar en un recipiente para su eliminación de acuerdo con las normas locales.

Siempre que sea posible, efectúe la limpieza con detergentes. Evite utilizar disolventes.

Referencia a otras secciones

Consulte la sección 13 "Consideraciones relativas a la eliminación" sobre el manejo de desechos.

Consulte la sección 8 "Controles de exposición/protección individual" para conocer las disposiciones de seguridad.

SECCIÓN 7. MANIPULACIÓN Y ALMACENAMIENTO

Precauciones que se deben tomar para garantizar un manejo seguro

No está permitido fumar, comer ni beber en el lugar de trabajo.

Consulte la sección "Controles de exposición/protección individual" para conocer las disposiciones de seguridad personal.

Condiciones de almacenamiento seguro, incluida cualquier incompatibilidad

Consulte el Reglamento de almacenamiento de sustancias peligrosas (Decreto 78) para obtener más orientación.

Compatibilidades de embalaje:

Conservar únicamente en el embalaje original.

Temperatura de almacenamiento:

Conservar en lugar fresco, seco y bien ventilado

Materiales incompatibles:

Ácidos fuertes, alcalinos fuertes, oxidantes fuertes y agentes reductores fuertes.

Usos específicos finales

Este producto sólo debe utilizarse para los fines descritos en la sección 1.2.

SECCIÓN 8. CONTROLES DE EXPOSICIÓN/PROTECCIÓN PERSONAL

Parámetros de control

peróxido de hidrógeno en disolución 35%; agua oxigenada 35%

Valor límite ambiental-exposición diaria (8 horas) (VLA-ED) (mg/m³): 1,23

Valor límite ambiental-exposición diaria (8 horas) (VLA-ED) (ppm): 0,9

Notas:

A.3 = Carcinógeno confirmado en animales con desconocimiento relevante para humanos.

Reglamento sobre condiciones sanitarias y ambientales básicas en los lugares de trabajo. Decreto supremo n°594/99.

Controles de la exposición

Compruebe regularmente que no se superan los valores límite indicados.

Medidas de precaución generales:

No está permitido fumar, comer ni beber en el lugar de trabajo.

Escenarios de exposición:

No hay escenarios de exposición implementados para este producto.

Límites de exposición:

Los usuarios profesionales quedan cubiertos a las normas de la legislación medioambiental relativa a máximas concentraciones de exposición. Consulte los límites laborales a arriba.

Controles técnicos apropiados:

La formación de vapor se debe mantener al mínimo y por debajo de los valores del límite de corriente (ver arriba).

Se recomienda instalar un sistema de extracción local si el flujo de aire normal en la sala de trabajo no es suficiente. Asegúrese de que los limpiadores de ojos y las duchas de emergencia estén claramente indicadas.

Tome precauciones estándar durante el uso de este producto. Evite la inhalación de vapores.

Disposiciones higiénicas:

Lavarse las manos después de su uso.

Disposiciones para limitar la exposición del entorno:

No tiene requisitos específicos.

Medidas de protección individual, como equipo de protección personal, EPP

General:

Solamente utilizar equipos de protección con la marca CE.

Protección de las vías respiratorias:

Tipo	Clase	Color	Normas	
No se requiere ninguna en especial en condiciones normales de uso.				

Protección de la piel:

Recomendado	Tipo/Categoría	Normas	
No se requiere ninguna en especial en condiciones normales de uso.	-	-	

Manos:

La situación de trabajo	Material	Espesura mínima de capa (mm)	Tiempo de penetración (min.)	Normas	
	No se requiere ninguna en especial en condiciones normales de uso	-	-	-	
En caso de exposición prolongada o de altas concentraciones	Algodón / Caucho natural (Latex)	-	> 120	EN374-2, EN16523-1, EN388	

Protección de los ojos y la cara:

La situación de trabajo	Tipo	Normas	
	No se requiere ninguna en especial en condiciones normales de uso.	-	
En caso de exposición prolongada o de altas concentraciones	Use gafas de seguridad con protección lateral.	EN166	

SECCIÓN 9. PROPIEDADES FÍSICAS Y QUÍMICAS

Información sobre propiedades físicas y químicas básicas

Estado físico:

Líquido

Color:

Incoloro

Olor:

de perfume

Umbral del olor (ppm):

No se dispone de datos.

Potencial de hidrógeno, pH:
ca. 4.8

Densidad (g/cm³):
1,02 (20 °C)

Viscosidad:
No se dispone de datos.

Cambio de estado y vapores

Punto de fusión/punto de congelación (°C):
No se dispone de datos.

El punto o intervalo/reblandecimiento (°C):
No se aplica a los líquidos.

Punto inicial e intervalo de ebullición (°C):
No se dispone de datos.

Presión de vapor:
No se dispone de datos.

Densidad de vapor:
No se dispone de datos.

Temperatura de descomposición (°C):
No se dispone de datos.

Tasa de evaporación (acetato de n-butilo = 100):

Datos de riesgo de incendio y explosión

Inflamabilidad (°C):
No se dispone de datos.

Inflamabilidad (°C):
No se dispone de datos.

Temperatura de ignición espontánea (°C):
No se dispone de datos.

Límite superior/inferior de inflamabilidad o explosividad (% v/v):
No se dispone de datos.

Solubilidad

Solubilidad en agua:
Completamente soluble

Coefficiente de partición n-octanol/agua:
No se dispone de datos.

Solubilidad en grasa (g/L):
No se dispone de datos.

Otros datos relevantes

Otros parámetros físicos y químicos:
No se dispone de datos.

Propiedades oxidantes:
No se dispone de datos.

SECCIÓN 10. ESTABILIDAD Y REACTIVIDAD

Reactividad

No se dispone de datos.

Estabilidad química

El producto es estable bajo las condiciones indicadas en la sección 7 "Manipulación y almacenamiento".

Posibilidad de reacciones peligrosas

Ningunos conocidos.

Condiciones que deberán evitarse

Ningunos conocidos.

Materiales incompatibles

Ácidos fuertes, alcalinos fuertes, oxidantes fuertes y agentes reductores fuertes.

Productos de descomposición peligrosos

En condiciones normales de almacenamiento y uso, no se deben formar productos de descomposición peligrosos.

SECCIÓN 11. INFORMACIÓN TOXICOLÓGICA

Información sobre los efectos toxicológicos

Toxicidad aguda

Producto / ingrediente	peróxido de hidrógeno en disolución 35%; agua oxigenada 35%
Especies:	Rata
Vía de exposición:	Oral
Prueba:	DL50
Resultado:	1.193 - 1.270 mg/L

Producto / ingrediente	peróxido de hidrógeno en disolución 35%; agua oxigenada 35%
Especies:	Conejo
Vía de exposición:	Dérmico
Prueba:	DL50
Resultado:	>2.000 (35% oplossing) mg/kg

Producto / ingrediente	1,2-Bencisotiazol-3(2H)-ona; 1,2-bencisotiazolin-3-ona; 1,2,bencisotiazol-3-ona
Especies:	Rata
Vía de exposición:	Oral
Prueba:	DL50
Resultado:	500 mg/kg

A la vista de los datos disponibles, no se cumplen los criterios de clasificación.

Corrosión o irritación cutáneas

Producto / ingrediente	peróxido de hidrógeno en disolución 35%; agua oxigenada 35%
Resultado:	Se observan efectos adversos (Irritante)

Producto / ingrediente	1,2-Bencisotiazol-3(2H)-ona; 1,2-bencisotiazolin-3-ona; 1,2,bencisotiazol-3-ona
Método de ensayo:	OCDE 404
Resultado:	Se observan efectos adversos (Irritante)

A la vista de los datos disponibles, no se cumplen los criterios de clasificación.

Lesiones o irritación ocular graves

Producto / ingrediente	peróxido de hidrógeno en disolución 35%; agua oxigenada 35%
Resultado:	Se observan efectos adversos (Provoca lesiones oculares graves)

Producto / ingrediente	1,2-Bencisotiazol-3(2H)-ona; 1,2-bencisotiazolin-3-ona; 1,2,bencisotiazol-3-ona
Método de ensayo:	OCDE 405
Resultado:	Se observan efectos adversos (Provoca lesiones oculares graves)

A la vista de los datos disponibles, no se cumplen los criterios de clasificación.

Sensibilización respiratoria

Producto / ingrediente	peróxido de hidrógeno en disolución 35%; agua oxigenada 35%
Resultado:	No se observan efectos adversos (no sensibilizantes)

A la vista de los datos disponibles, no se cumplen los criterios de clasificación.

Sensibilización cutánea

Producto / ingrediente	1,2-Bencisotiazol-3(2H)-ona; 1,2-bencisotiazolin-3-ona; 1,2,bencisotiazol-3-ona
Método de ensayo:	OCDE 429
Especies:	Ratón

Resultado:	Se observan efectos adversos (sensibilizantes)
Producto / ingrediente	1,2-Bencisotiazol-3(2H)-ona; 1,2-bencisotiazolin-3-ona; 1,2-bencisotiazol-3-ona
Método de ensayo:	OCDE 406
Especies:	Cobayo
Resultado:	Se observan efectos adversos (sensibilizantes)

A la vista de los datos disponibles, no se cumplen los criterios de clasificación.

Mutagenicidad en células germinales

A la vista de los datos disponibles, no se cumplen los criterios de clasificación.

Carcinogenicidad

Producto / ingrediente	peróxido de hidrógeno en disolución 35%; agua oxigenada 35%
Conclusión:	No se observan efectos adversos

A la vista de los datos disponibles, no se cumplen los criterios de clasificación.
peróxido de hidrógeno en disolución 35%; agua oxigenada 35% ha sido clasificado por IARC como grupo 3.

Toxicidad para la reproducción

Producto / ingrediente	peróxido de hidrógeno en disolución 35%; agua oxigenada 35%
Conclusión:	No se observan efectos adversos

A la vista de los datos disponibles, no se cumplen los criterios de clasificación.

Toxicidad sistémica específica del órgano blanco - Exposición única

A la vista de los datos disponibles, no se cumplen los criterios de clasificación.

Toxicidad sistémica específica del órgano blanco - Exposiciones repetidas

A la vista de los datos disponibles, no se cumplen los criterios de clasificación.

Peligro por aspiración

Producto / ingrediente	peróxido de hidrógeno en disolución 35%; agua oxigenada 35%

A la vista de los datos disponibles, no se cumplen los criterios de clasificación.

Efectos a largo plazo

Ningunos conocidos.

SECCIÓN 12. INFORMACIÓN ECOTOXICOLÓGICA

Toxicidad

Producto / ingrediente	peróxido de hidrógeno en disolución 35%; agua oxigenada 35%
Especies:	Pez, Pimephales promelas
Duración:	96 horas
Prueba:	CL50
Resultado:	16,4 mg/L

Producto / ingrediente	peróxido de hidrógeno en disolución 35%; agua oxigenada 35%
Especies:	Pez, Leuciscus idus
Duración:	72 horas
Prueba:	CL50
Resultado:	35 mg/L

Producto / ingrediente	peróxido de hidrógeno en disolución 35%; agua oxigenada 35%
Especies:	Pez, Oncorhynchus mykiss
Duración:	7 días
Prueba:	CL50
Resultado:	38,5 mg/L

Producto / ingrediente	peróxido de hidrógeno en disolución 35%; agua oxigenada 35%
Especies:	Daphnia pulex
Duración:	48 horas
Prueba:	CE50
Resultado:	2,4 mg/L

Producto / ingrediente: peróxido de hidrógeno en disolución 35%; agua oxigenada 35%
Especies: Daphnia magna
Duración: 24 horas
Prueba: CE50
Resultado: 7,7 mg/L

Producto / ingrediente: peróxido de hidrógeno en disolución 35%; agua oxigenada 35%
Especies: Skeletonema costatum
Duración: 72 horas
Prueba: CE50
Resultado: 1,38 mg/L

Producto / ingrediente: peróxido de hidrógeno en disolución 35%; agua oxigenada 35%
Método de ensayo: OCDE 209
Especies: Bacterias
Compartimento medioambiental: Planta de fango activada
Duración: 30 minutos
Prueba: CE50
Resultado: 466 mg/L

Producto / ingrediente: peróxido de hidrógeno en disolución 35%; agua oxigenada 35%
Método de ensayo: OCDE 209
Especies: Bacterias
Compartimento medioambiental: Planta de fango activada
Duración: 3 horas
Prueba: CE50
Resultado: > 1.000 mg/L

Producto / ingrediente: 1,2-Bencisotiazol-3(2H)-ona; 1,2-bencisotiazolin-3-ona; 1,2,bencisotiazol-3-ona
Especies: Pez
Duración: 96 horas
Prueba: CL50
Resultado: >0.1-1 mg/L

Producto / ingrediente: 1,2-Bencisotiazol-3(2H)-ona; 1,2-bencisotiazolin-3-ona; 1,2,bencisotiazol-3-ona
Especies: Crustáceo
Duración: 48 horas
Prueba: CE50
Resultado: >0.1-1 mg/L

Producto / ingrediente: 1,2-Bencisotiazol-3(2H)-ona; 1,2-bencisotiazolin-3-ona; 1,2,bencisotiazol-3-ona
Especies: Alga
Duración: 72 horas
Prueba: CE50
Resultado: >0.1-1 mg/L

A la vista de los datos disponibles, no se cumplen los criterios de clasificación.

Persistencia y degradabilidad

Producto / ingrediente: Alcohol, C13, bran., EO, sulfato Na~
Resultado: > 60 %
Conclusión: Fácil biodegradabilidad
Prueba: OCDE 301 B

Producto / ingrediente: peróxido de hidrógeno en disolución 35%; agua oxigenada 35%
Conclusión: Fácil biodegradabilidad

Producto / ingrediente: 1,2-Bencisotiazol-3(2H)-ona; 1,2-bencisotiazolin-3-ona; 1,2,bencisotiazol-3-ona
Resultado: 90%
Conclusión: Fácil biodegradabilidad

Prueba: OECD 302

Potencial de bioacumulación

Producto / ingrediente: peróxido de hidrógeno en disolución 35%; agua oxigenada 35%
LogKow: -1,57
Conclusión: -

Producto / ingrediente: 1,2-Bencisotiazol-3(2H)-ona; 1,2-bencisotiazolin-3-ona; 1,2-bencisotiazol-3-ona
BCF: 2
LogKow: 1.45
Conclusión: El potencial de bioacumulación es bajo

Movilidad en el suelo

No se dispone de datos.

Resultados de la valoración PBT y mPmB

No se considera que esta combinación/producto contenga sustancias que cumplan los criterios de clasificación como PBT y/o mPmB.

Otros efectos adversos

Ningunos conocidos.

SECCIÓN 13. INFORMACIÓN RELATIVA A LA ELIMINACIÓN DE LA SUSTANCIA O MEZCLA

Métodos para el tratamiento de residuos

Eliminar el contenido/el recipiente en un punto de recogida de residuos especiales.

Contenedor contaminado

Los embalajes con restos del producto deben eliminarse siguiendo el mismo procedimiento que el resto del producto.

SECCIÓN 14. INFORMACIÓN RELATIVA AL TRANSPORTE

	14.1 ONU	14.2 Designación oficial de transporte	14.3 Clase(s) de peligro	14.4 PG*	14.5. Env**	Otra información :
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Grupo de embalaje

** Peligros para el medio ambiente

Otros

Productos no peligrosos de conformidad con el ADR, IATA y el IMDG.

Precauciones especiales para el usuario

No aplicable.

Transporte a granel con arreglo al anexo II de MARPOL 73/78 y al Código CIQ (IBC por sus siglas en inglés).

No se dispone de datos.

SECCIÓN 15. INFORMACIÓN SOBRE LA REGLAMENTACIÓN

Reglamentación y legislación en materia de seguridad, salud y medio ambiente específicas para la sustancia o la mezcla

Limitaciones de uso:

Reservado exclusivamente a usuarios profesionales.

Requisitos de formación específica:

No tiene requisitos específicos.

Otra información:

No aplicable.

Fuentes:

Decreto 78, Reglamento de almacenamiento de sustancias peligrosas (11-Sep-2010)

Reglamento sobre condiciones sanitarias y ambientales básicas en los lugares de trabajo. Decreto supremo n°594/99.

Código del Trabajo, Dirección del Trabajo, Octubre 2018 (Ley 18.620)

Reglamento sobre prevención de riesgos profesionales (Decreto Supremo N° 40 de 1969)

Reglamento de clasificación, etiquetado y notificación de sustancias químicas y mezclas peligrosas. Núm. 57, Santiago, 26 de noviembre de 2019.

Evaluación de la seguridad química

No

SECCIÓN 16. OTRAS INFORMACIONES

Redacción completa de las frases H descrita en la sección 3

H271, Puede provocar un incendio o una explosión; muy comburente.

H302, Nocivo en caso de ingestión.

H314, Provoca quemaduras graves en la piel y lesiones oculares graves.

H315, Provoca irritación cutánea.

H318, Provoca lesiones oculares graves.

H319, Provoca irritación ocular grave.

H332, Nocivo en caso de inhalación.

H336, Puede provocar somnolencia o vértigo.

H412, Nocivo para los organismos acuáticos, con efectos nocivos duraderos.

Redacción completa de los usos identificados mencionados de la sección 1

Ningunos conocidos.

Siglas o abreviaturas

CAS = Servicio de Resúmenes Químicos

COV = Compuestos Orgánicos Volátiles

DOF = Diario Oficial de la Federación

EINECS = Inventario Europeo de Sustancias Químicas Existentes Comercializadas

ETA = Estimación de Toxicidad Aguda

FBC = Factor de Bioconcentración

GHS = Sistema Globalmente Armonizado de Clasificación y Etiquetado de Productos Químicos (SGA)

IARC = Agência Internacional de Pesquisa em Câncer

IATA = Asociación de Transporte Aéreo Internacional

IBC = Contenedor intermedio para productos a granel

IMDG = Código Marítimo Internacional de Mercancías Peligrosas

Log K_{oc} = coeficiente de adsorción del suelo

Log K_{ow} = logaritmo del coeficiente de reparto octanol/agua

MARPOL = Convenio Internacional para Prevenir la Contaminación por los Buques, 1973 con el Protocolo de 1978. ("Marpol" = polución marina)

mPmB = Muy Persistente y Muy Bioacumulativa

NCh = Normas Chilenas

OCDE = Organización de Cooperación y Desarrollo Económico

ONU = Organización de las Naciones Unidas

PBT = Persistente, Bioacumulativo y Tóxico

RID = Reglamento de Transporte Internacional de Mercancías Peligrosas por Ferrocarril

SCL = Límite de concentración específico (LCE).

SGA = Sistema Globalmente Armonizado

STOT-RE = Toxicidad Específica en Determinados Órganos - Exposiciones Repetidas

STOT-SE = Toxicidad Específica en Determinados Órganos - Exposición Única

STPS = Secretario del Trabajo y Previsión Social

UVCB = Significa sustancias de composición desconocida o variable, productos de reacción complejos y materiales biológicos

Otra información

peróxido de hidrógeno en disolución 35%; agua oxigenada 35%

Valor límite ambiental-exposición diaria (8 horas) (VLA-ED) (mg/m³): 1,23

Valor límite ambiental-exposición diaria (8 horas) (VLA-ED) (ppm): 0,9

Notas:

A.3 = Carcinógeno confirmado en animales con desconocimiento relevante para humanos.

No aplicable.

Ficha de datos de seguridad es validada por

Quality & Compliance

Otros

Las modificaciones en relación a la presente revisión (primera cifra en la Versión FDS, véase sección 1) de esta hoja de datos de seguridad se marcan con un triángulo.

La información que contiene esta hoja de la ficha de datos de seguridad se aplica únicamente al producto indicado en la sección 1 y no tiene por qué ser aplicable si se utiliza con otros productos.

Se recomienda entregar esta hoja de la ficha de datos de seguridad al usuario del producto. La información indicada no se puede utilizar como ficha técnica del producto.

País-idioma: CL-es

SAFETY DATA SHEET

i.1 all-purpose cleaner FlexDose

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

▼ *Trade name:*

i.1 all-purpose cleaner FlexDose

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses of the substance or mixture:

Washing and cleaning products (including solvent based products)
Restricted to professional users.

Uses advised against:

None known.

1.3. Details of the supplier of the safety data sheet

Company and address:

Hygeniq B.V.
Postbus 618
7500 AP Enschede
The Netherlands
+31 53 4282860
+31 53 5393865
www.hygeniq.com

E-mail:

info@hygeniq.com

SDS date:

27/06/2025

SDS Version:

2.0

Date of previous version:

02/06/2025 (1.0)

1.4. Emergency telephone number

National Poison Control Center, Chinese Center for Disease Control and Prevention: +86-10-12320 (24 h emergency call)

SECTION 2: HAZARDS IDENTIFICATION

Classified according to the chemical classification standards: GB 30000.2-2013 to GB 30000.29-2013.

2.1. Classification of the substance or mixture

Skin Irrit. 3; H316, Causes mild skin irritation

2.2. Label elements

Hazard pictogram(s):

Not applicable.

Signal word:

Warning

Hazard statement(s):

Causes mild skin irritation (H316)

Precautionary statement(s):

General:

-

Prevention:

-

Response:

If skin irritation occurs: Get medical advice/attention. (P332+P313)

Storage:

-

Disposal:

-

Hazardous substances:

Does not contain any substances required to report

Additional labelling:

Not applicable.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable. This product is a mixture.

3.2. Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
Alcohol, C13, bran., EO, sulfate Na~	CAS No.: 150413-26-6 EC No.: 688-316-0	1-3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 3, H412	
hydrogen peroxide	CAS No.: 7722-84-1 EC No.: 231-765-0	1-3%	Ox. Liq. 1, H271 Acute Tox. 4, H302 Skin Corr. 1A, H314 (SCL: 70.00 %) Skin Corr. 1B, H314 (SCL: 50.00 %) Skin Irrit. 2, H315 (SCL: 35.00 %) Eye Dam. 1, H318 (SCL: 8.00 %) Eye Irrit. 2, H319 (SCL: 5.00 %) Acute Tox. 4, H332 STOT SE 3, H336 (SCL: 35.00 %)	
citroenzuurmonohydraat	CAS No.: 5949-29-1 EC No.: 611-842-9	<0.1%	Eye Irrit. 2, H319	

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information

-

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General information:

If breathing is irregular, drowsiness, loss of consciousness or cramps: Call Shang Hai center of toxic chemicals information & consultation (+86 400-6267-911) and give immediate treatment (first aid).

Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

Inhalation:

Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

Skin contact:

Remove contaminated clothing and shoes immediately. Ensure to wash exposed skin thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or thinners.

Eye contact:

If in eyes: Flush eyes with water or saline water (20-30 °C) for at least 5 minutes. Remove contact lenses. Seek medical assistance and continue flushing during transport.

Ingestion:

If the person is conscious, rinse the mouth with water and stay with the person. Never give the person anything to drink.

In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the person lean forward with head down to avoid inhalation of or choking on vomited material.

Burns:

Not applicable.

4.2. Most important symptoms and effects, both acute and delayed

None known.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

Information to medics

Bring this safety data sheet or the label from this product.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Not applicable.

5.2. Special hazards arising from the substance or mixture

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

Carbon oxides (CO / CO₂)

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact National Poison Control Center, Chinese Center for Disease Control and Prevention: +86-10-12320 in order to obtain further advice.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation, especially in confined areas.

Contaminated areas may be slippery.

6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.
Keep unauthorized persons away from the spill

6.3. Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.
Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections

See section 13 "Disposal considerations" on handling of waste.
See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Smoking, drinking and consumption of food is not allowed in the work area.
See section 8 "Exposure controls/personal protection" for information on personal protection.

7.2. Conditions for safe storage, including any incompatibilities

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Recommended storage material:

Keep only in original packaging.

Storage conditions:

Dry, cool and well ventilated

Incompatible materials:

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

hydrogen peroxide

Long term exposure limit (8 hours) (mg/m³): 1,5

GBZ 2.1-2019 (Occupational exposure limits for hazardous agents in the workplace)

8.2. Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

General recommendations:

Smoking, drinking and consumption of food is not allowed in the work area.

Exposure scenarios:

There are no exposure scenarios implemented for this product.

Exposure limits:

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

Appropriate technical measures:

The formation of vapours must be kept at a minimum and below current limit values (see above). Installation of a local exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure eyewash and emergency showers are clearly marked.

Apply standard precautions during use of the product. Avoid inhalation of vapours.

Hygiene measures:

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Pay special attention to hands, forearms and face.

Measures to avoid environmental exposure:

No specific requirements.

Individual protection measures, such as personal protective equipment

Generally:

Use only CE marked protective equipment.

Respiratory Equipment:

Type	Class	Colour	Standards	
No special when used as intended.				

Skin protection:

Recommended	Type/Category	Standards	
No special when used as intended.	-	-	

Hand protection:

Work situation	Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
	No special when used as intended	-	-	-	
In the event of prolonged exposure or high concentrations	Cotton/Latex	-	> 120	EN374-2, EN16523-1, EN388	

Eye protection:

Work situation	Type	Standards	
	No special when used as intended.	-	
In the event of prolonged exposure or high concentrations	Safety glasses with side shields.	EN166	

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Form:

Liquid

Colour:

Colourless

Odour:

Of perfume

Odour threshold (ppm):

No data available.

pH:

ca. 4.8

Density (g/cm³):

1.02 (20 °C)

Kinematic viscosity:

No data available.

Particle characteristics:

Does not apply to liquids.

Phase changes

Melting point/Freezing point (°C):

No data available.

Softening point/range (°C):

Does not apply to liquids.

Boiling point (°C):

No data available.

Vapour pressure:

No data available.

Relative vapour density:

No data available.

Decomposition temperature (°C):

No data available.

Evaporation rate (n-butylacetate = 100):

Data on fire and explosion hazards

Flash point (°C):

No data available.

Flammability (°C):

No data available.

Auto-ignition temperature (°C):

No data available.

Explosion limits (% v/v):

No data available.

Solubility

Solubility in water:

Completely soluble

n-octanol/water coefficient:

No data available.

Solubility in fat (g/L):

No data available.

9.2. Other information

Other physical and chemical parameters:

No data available.

Oxidizing properties:

No data available.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

10.2. Chemical stability

The product is stable under the conditions, noted in section 7 "Handling and storage".

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity

Product/substance	hydrogen peroxide
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	1.193 - 1.270 mg/L

Product/substance	hydrogen peroxide
Species:	Rabbit
Route of exposure:	Dermal
Test:	LD50
Result:	>2.000 (35% oplossing) mg/kg

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	500 mg/kg

Based on available data, the classification criteria are not met.

Skin corrosion/irritation

Product/substance	hydrogen peroxide
Result:	Adverse effect observed (Irritating)

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Test method:	OECD 404
Result:	Adverse effect observed (Irritating)

Based on available data, the classification criteria are not met.

Serious eye damage/irritation

Product/substance	hydrogen peroxide
Result:	Adverse effect observed (Causes serious eye damage)

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Test method:	OECD 405
Result:	Adverse effect observed (Causes serious eye damage)

Based on available data, the classification criteria are not met.

Respiratory sensitisation

Product/substance	hydrogen peroxide
Result:	No adverse effect observed (not sensitising)

Based on available data, the classification criteria are not met.

Skin sensitisation

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Test method:	OECD 429
Species:	Mouse
Result:	Adverse effect observed (sensitising)

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Test method:	OECD 406
Species:	Guinea pig
Result:	Adverse effect observed (sensitising)

Based on available data, the classification criteria are not met.

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Product/substance hydrogen peroxide
Conclusion: No adverse effect observed

Based on available data, the classification criteria are not met.

Reproductive toxicity

Product/substance hydrogen peroxide
Conclusion: No adverse effect observed

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Product/substance hydrogen peroxide
Based on available data, the classification criteria are not met.

Long term effects

None known.

Other information

hydrogen peroxide has been classified by IARC as a group 3 carcinogen.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Product/substance hydrogen peroxide
Species: Fish, Pimephales promelas
Duration: 96 hours
Test: LC50
Result: 16,4 mg/L

Product/substance hydrogen peroxide
Species: Fish, Leuciscus idus
Duration: 72 hours
Test: LC50
Result: 35 mg/L

Product/substance hydrogen peroxide
Species: Fish, Oncorhynchus mykiss
Duration: 7 days
Test: LC50
Result: 38,5 mg/L

Product/substance hydrogen peroxide
Species: Daphnia pulex
Duration: 48 hours
Test: EC50
Result: 2,4 mg/L

Product/substance hydrogen peroxide
Species: Daphnia magna
Duration: 24 hours
Test: EC50
Result: 7,7 mg/L

According to China GHS Standards: GB/T 16483-2008 and GB/T 17519-2013

Product/substance	hydrogen peroxide
Species:	Skeletonema costatum
Duration:	72 hours
Test:	EC50
Result:	1,38 mg/L

Product/substance	hydrogen peroxide
Test method:	OECD 209
Species:	Bacteria
Compartment:	Activated Sludge Plant
Duration:	30 minutes
Test:	EC50
Result:	466 mg/L

Product/substance	hydrogen peroxide
Test method:	OECD 209
Species:	Bacteria
Compartment:	Activated Sludge Plant
Duration:	3 hours
Test:	EC50
Result:	> 1.000 mg/L

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Species:	Fish
Duration:	96 hours
Test:	LC50
Result:	>0.1-1 mg/L

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Species:	Crustacean
Duration:	48 hours
Test:	EC50
Result:	>0.1-1 mg/L

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Species:	Algae
Duration:	72 hours
Test:	EC50
Result:	>0.1-1 mg/L

Based on available data, the classification criteria are not met.

12.2. Persistence and degradability

Product/substance	Alcohol, C13, bran., EO, sulfate Na~
Result:	> 60 %
Conclusion:	Readily biodegradable
Test:	OECD 301 B

Product/substance	hydrogen peroxide
Conclusion:	Readily biodegradable

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Result:	90%
Conclusion:	Readily biodegradable
Test:	OECD 302

12.3. Bioaccumulative potential

Product/substance	hydrogen peroxide
LogKow:	-1,57
Conclusion:	-

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
BCF:	2
LogKow:	1.45
Conclusion:	Potential for bioaccumulation is low

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

12.6. Other adverse effects

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

Dispose of contents/container to an approved waste disposal plant.

Specific labelling

Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: TRANSPORT INFORMATION

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Packing group

** Environmental hazards

Additional information

Not dangerous goods according to ADR, IATA and IMDG.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

No data available.

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Restrictions for application:

Restricted to professional users.

Demands for specific education:

No specific requirements.

Additional information:

Not applicable.

IECSC:

Alcohol, C13, bran., EO, sulfate Na~ is listed

hydrogen peroxide is listed
1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one is listed

Sources:

Regulations on the Safety Administration of Dangerous Chemicals (No.591)
GB30000.1-2024 Rules for classification and labelling of chemicals
GB13690-2009 General rule for classification and hazard communication of chemicals
List of hazardous chemicals (2015)
GB15258-2009 General rules for preparation of precautionary label for chemicals
GB/T 16483-2008 Safety data sheet for chemical products- Content and order of sections
GB/T 17519-2013 Guidance on the compilation of safety data sheet for chemical products

15.2. Chemical safety assessment

No

SECTION 16: OTHER INFORMATION

Full text of H-phrases as mentioned in section 3

H271, May cause fire or explosion; strong oxidiser.
H302, Harmful if swallowed.
H314, Causes severe skin burns and eye damage.
H315, Causes skin irritation.
H318, Causes serious eye damage.
H319, Causes serious eye irritation.
H332, Harmful if inhaled.
H336, May cause drowsiness or dizziness.
H412, Harmful to aquatic life with long lasting effects.

The full text of identified uses as mentioned in section 1

None known.

Abbreviations and acronyms

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway
ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
CAS = Chemical Abstracts Service
CE = Conformité Européenne (European conformity)
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
CSA = Chemical Safety Assessment
CSR = Chemical Safety Report
DMEL = Derived Minimal Effect Level
DNEL = Derived No Effect Level
EINECS = European Inventory of Existing Commercial chemical Substances
ES = Exposure Scenario
EUH statement = CLP-specific Hazard statement
EuPCS = European Product Categorisation System
EWC = European Waste Catalogue
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
GWP = Global warming potential
IARC = International Agency for Research on Cancer (IARC)
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
OECD = Organisation for Economic Co-operation and Development
PBT = Persistent, Bioaccumulative and Toxic
PNEC = Predicted No Effect Concentration
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail

RRN = REACH Registration Number
SCL = A specific concentration limit
SVHC = Substances of Very High Concern
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
STOT-SE = Specific Target Organ Toxicity - Single Exposure
TWA = Time weighted average
UN = United Nations
UVBC = Unknown or variable composition, complex reaction products or of biological materials
VOC = Volatile Organic Compound
vPvB = Very Persistent and Very Bioaccumulative

Additional information

Not applicable.

The safety data sheet is validated by

Quality & Compliance

Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

Country-language: CN-en

产品安全技术说明书

i.1 all-purpose cleaner FlexDose

第一部分 物质/制剂及公司/企业标识

1.1. 化学品标识

▼ 产品名称：

i.1 all-purpose cleaner FlexDose

1.2. 化学品的推荐用途和限制用途

已验明的用途：

清洁剂和清洗剂（包括溶剂型清洁剂）
仅用于工业用途。

不推荐用途：

未知。

1.3. 安全技术说明书供应商详情

公司详细信息：

Hygieniq B.V.
Postbus 618
7500 AP Enschede
The Netherlands
+31 53 4282860
+31 53 5393865
www.hygieniq.com

电子邮件：

info@hygieniq.com

发行日期：

2025/6/27

SDS 版本：

2.0

上次发行日期：

2025/6/2 (1.0)

1.4. 应急电话号码

中国国内紧急联系电话: +86-10-12320 (二十四小时应急电话)

第2部分 危险性概述

基于化学品分类标准进行分类：GB 30000.2-2013~GB 30000.29-2013。

2.1. 危险性类别

Skin Irrit. 3; H316, 造成轻微皮肤刺激

2.2. 标签要素

象形图：

不适用。

信号词：

警告

危险性说明:

造成轻微皮肤刺激 (H316)

防范说明::

概要:

-

预防:

-

反应::

如发生皮肤刺激：求医/就诊。(P332+P313)

贮存:

-

废弃处置:

-

危险成分:

不包含任何需报告的物质

附加标示:

不适用。

第3部分 成分／组成信息

3.1. 物质

本产品是一种混合物

3.2. 混合物

产品/成份名称	标识符	%	分类	备注
Alcohol, C13, bran., EO, sulfate Na~	CAS 号: 150413-26-6 EC: 688-316-0	1-3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 3, H412	
hydrogen peroxide	CAS 号: 7722-84-1 EC: 231-765-0	1-3%	Ox. Liq. 1, H271 Acute Tox. 4, H302 Skin Corr. 1A, H314 (SCL: 70.00 %) Skin Corr. 1B, H314 (SCL: 50.00 %) Skin Irrit. 2, H315 (SCL: 35.00 %) Eye Dam. 1, H318 (SCL: 8.00 %) Eye Irrit. 2, H319 (SCL: 5.00 %) Acute Tox. 4, H332 STOT SE 3, H336 (SCL: 35.00 %)	
citroenzuurmonohydraat	CAS 号: 5949-29-1 EC: 611-842-9	<0.1%	Eye Irrit. 2, H319	

参见第 16 节 H-语句全文。第 8 节列出了职业接触限值（如适用）。

其他信息

-

第4部分 急救措施

急救措施说明

4.1. 概要:

发生事故时: 请联系医生或急诊室——带上标签或安全数据表。

如果对伤者的情况有疑问或症状持续存在, 请就医。切勿给无意识的人喝水或其他饮料。

吸入:

发生呼吸困难或呼吸道刺激时: 将患者转移到新鲜空气处, 并进行陪伴。

皮肤接触:

立即脱掉被污染的衣服和鞋子。确保用水和肥皂彻底清洗暴露的皮肤。可以使用皮肤清洁剂。切勿使用溶剂或稀释剂。

眼睛接触:

如进入眼睛: 用水或盐水 (20-30 °C) 冲洗眼睛至少 5 分钟。取下隐形眼镜, 睁大眼睛。寻求医疗救助并在转送途中继续冲洗。

摄入:

如果当事人意识清醒, 用水漱口, 并由专人照看。如有不适, 请立即就医, 并携带本安全数据表或产品上的标签。除非遵医嘱, 否则不要催吐。让受害者前倾, 头朝下, 避免吸入或呛住呕吐物。

烧伤:

不适用。

4.2. 最重要的症状和效应, 包括急性的和延迟的未知。

4.3. 需要任何即时的医疗关注和特殊处理对症治疗。

对医生的特别提示

携带本安全数据表。

第5部分 消防措施

5.1. 灭火介质

不适用。

5.2. 从物质或混合物产生的特殊危害

火会导致出现浓烟。接触燃烧产物可能会有害健康。暴露在火中的密闭容器应用水进行冷却。请勿让灭火用水排入进入污水系统和附近的地表水。

如果产品暴露在高温下 (如发生火灾), 会产生危险的分解代谢物质。包括: 碳氧化物 (CO / CO₂)。

5.3. 对消防员的建议

穿戴自给式呼吸器和防护服, 防止接触。直接暴露后, 拨打 职业卫生与中毒控制: +86-10-12320, 以获取更多建议。

第6部分 泄漏应急处理

6.1. 人员防护措施、防护装备和应急处置程序

确保良好的通风, 尤其是在密闭场所。

污染区域可能湿滑。

6.2. 环境保护措施

避免向湖泊、溪流、下水道等排放废水。

未经允许的人员不得进入溢溅区

6.3. 泄漏化学品的收容、清除方法及所使用的处置材料

使用不可燃的吸收材料 (如沙子、泥土、蛭石或硅藻土) 围堵并收集溢出物, 将其置入容器中并依据当地/国家法规进行弃置处理。

尽可能使用普通清洁剂进行清洁。避免使用溶剂。

6.4. 其他部分的参照

参见第13部分的其他废物处理信息。

参见第8部分的合适的个人防护装备信息。

第7部分 操作处置与储存

7.1. 安全搬运的防范措施

不得在工作室吸烟、储存烟草、食用和储存食品或液体。
参见第8部分的合适的个人防护装备信息。

7.2. 安全存储的条件，包括任何不相容性

打开的容器必须仔细重新密封并保持直立，以防泄漏。

推荐储存材料:

只能在原容器中存放。

储存温度:

干燥、凉爽通风良好

禁配物:

强酸、强碱、强氧化剂和强还原剂。

7.3. 特定的最终用途

本产品只适用于第 1.2 节中所述的应用。

第8部分 接触控制和个体防护

8.1. 控制参数

hydrogen peroxide

长期暴露限值 (PC-TWA, 8 小时) (mg/m³) : 1,5

GBZ 2.1-2019, 工作场所有害因素职业接触限值

8.2. 接触控制

应定期控制暴露程度使之符合给定的职业暴露限值。

一般建议:

不得在工作室吸烟、储存烟草、食用和储存食品或液体。

接触情况:

本品没有相应实施的接触场景。

最高容许浓度:

专业用户必须遵守法律规定的职业暴露最大浓度。参见上述职业卫生限值。

工程控制::

生成的蒸汽必须保持在最低限度并低于当前极限值 (见上文)。如果工作室内的正常空气流量不足，建议安装局部排气系统。确保紧急洗眼器和淋浴设备带有清晰明确的标识。

在使用该产品的过程中采取标准的预防措施。避免吸入蒸汽。

卫生措施:

在不使用产品时及工作日结束时，应对身体所有暴露部位进行彻底清洗。特别注意手、前臂和脸部。

环境接触控制::

无特殊要求。

个人防护措施

概要::

只能使用带有 CE 标识的防护设备。

呼吸系统防护:

推荐	等级	颜色	材料	
如预期使用时，无需特别穿戴				

身体防护:

材料	推荐	标准	
如预期使用时, 无需特别穿戴	-	-	

手部防护:

工作情况	材料	手套厚度 (mm)	穿透时间 (min.)	标准	
	如预期使用时, 无需特别穿戴	-	-	-	
在长时间暴露或高浓度情况下	棉质/丁腈橡胶	-	> 120	EN374-2, EN16523-1, EN388	

眼睛/面部防护:

工作情况	推荐	标准	
	如预期使用时, 无需特别穿戴	-	
在长时间暴露或高浓度情况下	带侧罩的安全眼镜	EN166	

第9部分 理化特性

9.1. 基础理化特性信息

物理状态:

液体

颜色:

无色

气味:

芳香剂

气味阈值 (ppm) :

无可用数据。

pH值:

ca. 4.8

相对密度 (g/cm³):

1.02 (20 °C)

运动粘度:

无可用数据。

颗粒特性:

不適用於 液體

物相变化

熔点/凝固点 (°C):

无可用数据。

软化点/范围 (°C):

不適用於 液體

沸点/沸程 (°C):

无可用数据。

蒸气压:

无可用数据。

蒸气密度:

无可数据。

分解温度 (°C):

无可数据。

蒸发速率:

火灾和爆炸危险数据

闪点 (°C):

无可数据。

着火温度 (°C):

无可数据。

自燃温度 (°C):

无可数据。

爆炸 (燃烧) 上限和下限:

无可数据。

可溶性

水溶性:

完全溶解

n-辛醇/水分配系数 (*LogK_{ow}*):

无可数据。

脂溶性 (克/升):

无可数据。

9.2. 其他信息

其它物理和化学参数:

无可数据。

氧化性:

无可数据。

第10部分 稳定性和反应性

10.1. 活动性

无可数据。

10.2. 稳定性

基于“7 操作处置与储存”一节的内容，本产品在常规条件下处于稳定状态。

10.3. 危险反应

未知。

10.4. 应避免的条件

未知。

10.5. 禁配物

强酸、强碱、强氧化剂和强还原剂。

10.6. 危险的分解产物

在正常的储存和使用条件下，不会产生有危害的分解物。

第11部分 毒理学信息

11.1. 毒理效应信息

急性毒性

产品/成份名称

hydrogen peroxide

种类:

大鼠

接触途径: 口服
测试: LD50
结果: 1.193 - 1.270 mg/L

产品/成份名称: hydrogen peroxide
种类: 兔子
接触途径: 经皮
测试: LD50
结果: >2.000 (35% oplossing) mg/kg

产品/成份名称: 1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
种类: 大鼠
接触途径: 口服
测试: LD50
结果: 500 mg/kg

基于可用数据, 其不满足分类标准。

刺激或腐蚀

产品/成份名称: hydrogen peroxide
结果: 有观察到的不良作用 (有刺激性)

产品/成份名称: 1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
测试方法: OECD 404
结果: 有观察到的不良作用 (有刺激性)

基于可用数据, 其不满足分类标准。

严重眼睛损伤/刺激

产品/成份名称: hydrogen peroxide
结果: 有观察到的不良作用 (造成严重眼损伤)

产品/成份名称: 1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
测试方法: OECD 405
结果: 有观察到的不良作用 (造成严重眼损伤)

基于可用数据, 其不满足分类标准。

呼吸道致敏性

产品/成份名称: hydrogen peroxide
结果: 无观察到的不良作用 (不敏感)

基于可用数据, 其不满足分类标准。

皮肤致敏性

产品/成份名称: 1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
测试方法: OECD 429
种类: 小鼠
结果: 有观察到的不良作用 (敏化)

产品/成份名称: 1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
测试方法: OECD 406
种类: 豚鼠
结果: 有观察到的不良作用 (敏化)

基于可用数据, 其不满足分类标准。

生殖细胞致突变性

基于可用数据, 其不满足分类标准。

致癌性

产品/成份名称: hydrogen peroxide
结论: 无观察到的不良作用

基于可用数据, 其不满足分类标准。

生殖毒性

产品/成份名称 hydrogen peroxide
结论: 无观察到的不良作用

基于可用数据, 其不满足分类标准。

特异性靶器官系统毒性-一次接触

基于可用数据, 其不满足分类标准。

特异性靶器官系统毒性-反复接触

基于可用数据, 其不满足分类标准。

吸入危害

产品/成份名称 hydrogen peroxide
基于可用数据, 其不满足分类标准。

潜在的慢性健康影响

未知。

其他信息

hydrogen peroxide 被 IARC 归类为 3 类。

第12部分 生态学信息

12.1. 毒性

产品/成份名称 hydrogen peroxide
种类: 鱼类, Pimephales promelas
暴露: 96 小时
测试: LC50
结果: 16,4 mg/L

产品/成份名称 hydrogen peroxide
种类: 鱼类, Leuciscus idus
暴露: 72 小时
测试: LC50
结果: 35 mg/L

产品/成份名称 hydrogen peroxide
种类: 鱼类, Oncorhynchus mykiss
暴露: 7 天
测试: LC50
结果: 38,5 mg/L

产品/成份名称 hydrogen peroxide
种类: Daphnia pulex
暴露: 48 小时
测试: EC50
结果: 2,4 mg/L

产品/成份名称 hydrogen peroxide
种类: Daphnia magna
暴露: 24 小时
测试: EC50
结果: 7,7 mg/L

产品/成份名称 hydrogen peroxide
种类: Skeletonema costatum
暴露: 72 小时
测试: EC50
结果: 1,38 mg/L

产品/成份名称 hydrogen peroxide
测试方法: OECD 209
种类: 菌
环境: 活性污泥厂
暴露: 30 minutes
测试: EC50
结果: 466 mg/L

产品/成份名称 hydrogen peroxide
测试方法: OECD 209
种类: 菌
环境: 活性污泥厂
暴露: 3 小时
测试: EC50
结果: > 1.000 mg/L

产品/成份名称 1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
种类: 鱼类
暴露: 96 小时
测试: LC50
结果: >0.1-1 mg/L

产品/成份名称 1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
种类: 甲壳纲动物
暴露: 48 小时
测试: EC50
结果: >0.1-1 mg/L

产品/成份名称 1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
种类: 藻类
暴露: 72 小时
测试: EC50
结果: >0.1-1 mg/L

基于可用数据，其不满足分类标准。

12.2. 持久性和降解性

产品/成份名称 Alcohol, C13, bran., EO, sulfate Na~
结果: > 60 %
结论: 易于生物降解
测试: OECD 301 B

产品/成份名称 hydrogen peroxide
结论: 易于生物降解

产品/成份名称 1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
结果: 90%
结论: 易于生物降解
测试: OECD 302

12.3. 潜在的生物累积性

产品/成份名称 hydrogen peroxide
LogKow: -1,57
结论: -

产品/成份名称 1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
生物富集系数: 2
LogKow: 1.45
结论: 生物累积潜力低

12.4. 土壤中的迁移性
无可用数据。

12.5. PBT和vPvB评估结果
本混合物/产品不含任何被认定符合分类为 PBT 及/或 vPvB 的标准的物质。

12.6. 其他环境有害作用
未知。

第13部分 废弃处置

废物处理方法
处置内装物/容器 至获批准的废物处理厂

特定标示

包装
针对含有产品残留物的包装，必须采用与产品处理方法相似的方式进行处理。

第14部分 运输信息

	14.1 UN号	14.2 正确运输名称	14.3 类别	14.4 PG*	14.5 Env**	其他信息:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* 包装类别

** 环境危害

其他信息
ADR、IATA 和 IMDG 规定的非危险品。

14.6. 运输注意事项
不适用。

14.7. 基于MARPOL的附录II和IBC准则按散装运输
无可用数据。

第15部分 法规信息

15.1. 安全、健康和环境法规/物质或混合物特定的立法

应用限制:
仅用于工业用途。

特殊教育需求:
无特殊要求.

其他信息:
不适用。

中国现有化学物质名录:
Alcohol, C13, bran., EO, sulfate Na~ 被列出
hydrogen peroxide 被列出
1,2-benzisothiazol-3(2H)-one, 1,2-benzisothiazolin-3-one 被列出

中国法律/法规:
危险化学品安全管理条例 (第591号)
GB 30000.1-2024 化学品分类和标签规范 第1部分：通则

GB13690-2009化学品分类和危险性公示通则
危险化学品目录 (2015版)
GB15258-2009化学品安全标签编写规定
GB/T 16483-2008化学品安全技术说明书内容和项目顺序
GB/T 17519-2013化学品安全技术说明书编写指南

15.2. 15.2.化学安全评估

否

第16部分 其他信息

H 语句全文：见第 3 节

H271, 可能引起燃烧或爆炸；强氧化剂
H302, 吞咽有害
H314, 造成严重皮肤灼伤和眼损伤
H315, 造成皮肤刺激
H318, 造成严重眼损伤
H319, 造成严重眼刺激
H332, 吸入有害
H336, 可引起昏睡或眩晕
H412, 对水生生物有害并具有长期持续影响

已验明用途的全文见第 1 节

未知。

缩略语和首字母缩写

ACGIH = 美国政府工业卫生专家协会，颁发有毒产品暴露标准的机构。
BCF = 生物富集系数
CAS = 化学提取物服务注册号码
CE = 符合欧洲标准
DNEL = 衍生无效应水平
ECx = 产生 x %反应的浓度
EC50 = 引起 50 %最大反应的物质有效浓度
GHS = 全球协调制度
IARC = 国际癌症研究机构
IATA = 国际航空协会，颁发货物空运相关规定的组织。
IMDG = 国际海事组织规则，货物海运规则。
ICAO = 国际民航组织。
Kow = 正辛醇/ 水分配系
LC50 = 半数致死浓度
LD50 = 急性经毒性 (半数致死剂量)
NOEC = 无观察效应浓度
OECD = 经济合作与发展组织
PBT = 持久性生物累积性有毒物质
PC-STEEL = 短时间接触容许浓度
PC-TWA = 时间加权平均容许浓度
PNEC = 预计无效应浓度
REACH = 欧盟关于化学品注册、评估、授权和限制法规。
SCL = 具有特定浓度限制
SDS = 安全技术说明书
STEL = 短期暴露限制
PC-TWA = 时间加权平均数
UN Number = 联合国编号，联合国危险货物运输专家委员会指定的四位数号码。
UVCB = 成分未知或可变的物质，复杂反应产物或生物材料
vPvB = 高残留性、高生物浓缩性物质

其他信息

不适用。



安全技术说明书基于 GB/ T 16483-2008 和 GB/ T 17519-2013 - 中国

安全数据表由以下人员验证

Quality & Compliance

其他

更改（与最后一次基本更改（SDS 版本中的第一个密码，见第 1 节）成比例）用蓝色三角形标记。

本安全数据表中的信息仅适用于本特定产品（第 1 节所述），不一定适用于其他化学品/产品。

建议将此安全数据表移交给产品的实际用户。本安全数据表中的信息不能用作产品说明书。

国家-语言: CN-zh

BEZPEČNOSTNÍ LIST

i.1 all-purpose cleaner FlexDose

ODDÍL 1: IDENTIFIKACE LÁTKY/SMĚSI A SPOLEČNOSTI/PODNIKU

1.1. Identifikátor výrobku

▼ *Obchodní název:*

i.1 all-purpose cleaner FlexDose

1.2. Příslušná určená použití látky nebo směsi a nedoporučená použití

Relevantní identifikované využití látky nebo směsi:

Detergenty a detergenty (včetně na bázi rozpouštědel)
Pouze pro profesionální uživatele.

Nedoporučená použití:

Není známo.

1.3. Podrobné údaje o dodavateli bezpečnostního listu

Firma a adresa:

Hygeniq B.V.
Postbus 618
7500 AP Enschede
The Netherlands
+31 53 4282860
+31 53 5393865
www.hygeniq.com

E-mail:

info@hygeniq.com

Revize:

27.06.2025

Verze BL:

2.0

Datum předchozího vydání:

02.06.2025 (1.0)

1.4. Telefonní číslo pro naléhavé situace

Toxikologické informační středisko. Telefon: +420 224 919 293, +420 224 915 402 (www.tis-cz.cz)

Viz oddíl 4 "Pokyny pro první pomoc"

ODDÍL 2: IDENTIFIKACE NEBEZPEČNOSTI

2.1. Klasifikace látky nebo směsi

Není klasifikován podle nařízení (ES) č. 1272/2008 (CLP).

2.2. Prvky označení

Piktogram(y) rizik(a):

Netýká se.

Signální slova:

Netýká se.

Prohlášení rizik(a):

Netýká se.

Bezpečnostní věta (věty):

Obecně:

-

Prevence:

-

Reakce:

-

Skladování:

-

Likvidace:

-

Identifikace látek primárně odpovědných za hlavní zdravotní rizika:

Neobsahuje žádné látky podléhající povinnému hlášení

Další označení:

EUH210, Na vyžádání je k dispozici bezpečnostní list.

Označení obsahu podle předpisu o detergentech 648/2004 (platí pro obaly detergentů prodávaných široké veřejnosti):

>5% - <15%

· Neiontové povrchově aktivní látky

< 5%

· Aniontové povrchově aktivní látky

· Bělicí činidla na bázi kyslíku

· Parfémy

· Konzervační (BENZISOTHIAZOLINONE)

2.3. Další nebezpečnost

Další varování:

Tato směs/výrobek neobsahuje žádné látky považované za splňující kritéria klasifikace jakožto PBT či vPvB.

Tento produkt neobsahuje žádné látky, které jsou podle kritérií, stanovených nařízením Komise v přenesené pravomoci (EU) 2017/2100 nebo nařízením Komise (EU) 2023/707, považovány za endokrinní disruptory.

ODDÍL 3: SLOŽENÍ/INFORMACE O SLOŽKÁCH

3.1. Látky

Netýká se. Tento produkt je směs.

3.2. Směsi

Název složky	Identifikátory	% w/w	Klasifikace	Název složky
Alcohol, C13, bran., EO, sulfate Na~	Č. CAS: 150413-26-6 Č. ES: 688-316-0 REACH: Indexová č.:	1-3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 3, H412	
peroxid vodíku 35%	Č. CAS: 7722-84-1 Č. ES: 231-765-0 REACH: 01-2119485845-22-XXXX Indexová č.: 008-003-00-9	1-3%	Ox. Liq. 1, H271 Acute Tox. 4, H302 Skin Corr. 1A, H314 (SCL: 70,00 %) Skin Corr. 1B, H314 (SCL: 50,00 %) Skin Irrit. 2, H315 (SCL: 35,00 %) Eye Dam. 1, H318 (SCL: 8,00 %) Eye Irrit. 2, H319 (SCL: 5,00 %) Acute Tox. 4, H332 STOT SE 3, H336 (SCL: 35,00 %)	

monohydrát kyseliny citronové	Č. CAS: 5949-29-1 Č. ES: 611-842-9 REACH: 01-2119457026-42-XXXX Indexová č.:	<0.1%	Eye Irrit. 2, H319	
Disodium tin hexahydroxide	Č. CAS: 12027-70-2 Č. ES: 234-724-5 REACH: 01-2120770924-45-XXXX Indexová č.:	<0.05%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	[1]

Viz plný text H-vět v oddíl 16. Limity profesní expozice uvádí oddíl 8. Pokud jsou dostupné.

Další informace

[1] Mezní hodnoty expozice na pracovišti stanovené EU.

ODDÍL 4: POKYNY PRO PRVNÍ POMOC

4.1. Popis první pomoci

Obecné informace:

V případě nehody: kontaktujte lékaře nebo úrazové oddělení - předejte SDS nebo štítek z obalu produktu. Pokud si nejste jisti stavem postiženého nebo pokud symptomy přetrvávají, kontaktujte lékaře. Nepodávejte vodu apod. osobě v bezvědomí.

Vdechnutí:

Při dýchacích obtížích nebo podráždění dýchacího traktu: Dopravte postiženého na čerstvý vzduch a zůstaňte s ním.

Zasažení pokožky:

Při podráždění: Smyjte výrobek. Při pokračujícím podráždění: Vyhledejte lékaře.

Zasažení očí:

Při zasažení očí: Oči nejméně 5 minut proplachujte vodou (20-30 °C). Vyjměte kontaktní čočky. Přivolejte lékaře.

Požítí:

Pokud je osoba při vědomí, vypláchněte ústa vodou a zůstaňte v její přítomnosti. Pokud se postižený necítí dobře, okamžitě volejte lékaře a předejte mu SDS nebo štítek z obalu produktu. Nevyvolávejte zvracení, pokud to nedoporučí lékař. Držte hlavu dole, aby se zvratky nedostaly zpět do úst a hrdla.

Popálení:

Netýká se.

4.2. Nejdůležitější akutní a opožděné symptomy a účinky

Není známo.

4.3. Pokyn týkající se okamžité lékařské pomoci a zvláštního ošetření

Léčete symptomaticky

Informace pro lékařský personál

Předejte tento SDS nebo štítek z obalu produktu.

ODDÍL 5: OPATŘENÍ PRO HAŠENÍ POŽÁRU

5.1. Hasiva

Netýká se.

5.2. Zvláštní nebezpečnost vyplývající z látky nebo směsi

V případě požáru vzniká hustý dým. Vdechnutí produktů rozkladu nebo kontakt s nimi může poškodit zdraví. Uzavřené obaly vystavené požáru chlaďte vodou. Zabraňte vniknutí vody z hašení do kanalizace, vodních toků/ploch. Pokud je produkt vystaven vysoké teplotě, například při požáru, vznikají nebezpečné produkty rozkladu:

Oxidy uhlíku (CO / CO₂)

5.3. Pokyny pro hasiče

Žádné zvláštní požadavky.

ODDÍL 6: OPATŘENÍ V PŘÍPADĚ NÁHODNÉHO ÚNIKU

6.1. Opatření na ochranu osob, ochranné prostředky a nouzové postupy

Zajistěte dostatečné větrání, zejména v klimatizovaných prostorách.
Kontaminovaná místa mohou klouzat.

6.2. Opatření na ochranu životního prostředí

Zabraňte únikům do vodních ploch/toků, kanalizace atd.
Dbejte na to, aby k rozlité kapalině neměly přístup nepovolané osoby.

6.3. Metody a materiál pro omezení úniku a pro čištění

Uniklý materiál zachyťte a posbírejte pomocí nehořlavého absorpčního materiálu, například písku, zeminy, vermikulitu nebo křemeliny, a umístěte jej do nádoby k likvidaci, v souladu s místními předpisy.
K čištění využívejte v maximální míře běžné čisticí prostředky. Vyhněte se použití rozpouštědel.

6.4. Odkaz na jiné oddíly

Viz oddíl 13 "Pokyny pro odstraňování" o nakládání s odpadem.
Ochranná opatření viz oddíl 8 "Omezování expozice/osobní ochranné prostředky".

ODDÍL 7: ZACHÁZENÍ A SKLADOVÁNÍ

7.1. Opatření pro bezpečné zacházení

Na pracovišti je zakázáno kouření, jídlo a pití včetně skladování tabáku, potravin a nápojů.
Informace o ochraně osob viz "Omezování expozice/osobní ochranné prostředky".

7.2. Podmínky pro bezpečné skladování látek a směsí včetně neslučitelných látek a směsí

Otevřené obaly je nutno dokonale uzavřít a skladovat nastojato, aby nedošlo k úniku.

Slučitelnosti obalů:

Uchovávejte pouze v původním balení.

Podmínky skladování:

Suché, chladné, dobře větrané

Neslučitelné materiály:

Silné kyseliny, silné zásady, silná oxidační činidla a silná rozkladná činidla.

7.3. Specifické konečné/specifická konečná použití

Tento produkt smí být použit pouze k účelům uvedeným v oddíl 1.2.

ODDÍL 8: OMEZOVÁNÍ EXPOZICE/OSOBNÍ OCHRANNÉ PROSTŘEDKY

8.1. Kontrolní parametry

peroxid vodíku 35%

Nejvyšší přípustná koncentrace (15 minut) (NPK-P) (mg/m³): 2

Přípustný expoziční limit (8 hodin) (PEL) (mg/m³): 1

Poznámky:

I = dráždí sliznice (oči, dýchací cesty) resp. kůže.

Nařízení vlády, ze dne 3. října 2018, kterým se mění nařízení vlády č. 361/2007 Sb., kterým se stanoví podmínky ochrany zdraví při práci, ve znění pozdějších předpisů.

DNEL

1,2-benzisothiazol-3(2H)-on; 1,2-benzisothiazolin-3-on; 1,2-benzoisothiazolin-3-on

Délka:	Trasa podání:	DNEL:

Dlouhodobé - systémové účinky - obecná populace	Kožní	0.345 mg/kg
Dlouhodobé - systémové účinky - Pracovník	Kožní	966 µg/kg bw/day
Dlouhodobé - systémové účinky - obecná populace	Vdechnutí	1.2 mg/m ³
Dlouhodobé - systémové účinky - Pracovník	Vdechnutí	6.81 mg/m ³

Disodium tin hexahydroxide

Délka:	Trasa podání:	DNEL:
Dlouhodobé - systémové účinky - obecná populace	Kožní	1.21 mg/kg bw/day
Dlouhodobé - systémové účinky - Pracovník	Kožní	3.37 mg/kg bw/day
Dlouhodobé - systémové účinky - obecná populace	Orální	1.21 mg/kg bw/day
Dlouhodobé - systémové účinky - obecná populace	Vdechnutí	1.78 mg/m ³
Dlouhodobé - systémové účinky - Pracovník	Vdechnutí	11.9 mg/m ³

peroxid vodíku 35%

Délka:	Trasa podání:	DNEL:
Dlouhodobé - lokální účinky - obecná populace	Vdechnutí	0,21 mg/m ³
Dlouhodobé - lokální účinky - obecná populace	Vdechnutí	210 µg/m ³
Dlouhodobé - lokální účinky - Pracovník	Vdechnutí	1.4 mg/m ³
Krátkodobé - lokální účinky - obecná populace	Vdechnutí	1.93 mg/m ³
Krátkodobé - lokální účinky - Pracovník	Vdechnutí	3 mg/m ³

PNEC

1,2-benzisothiazol-3(2H)-on; 1,2-benzisothiazolin-3-on; 1,2-benzisothiazolin-3-on

Trasa podání:	Doba expozice:	PNEC:
Čistírný odpadních vod		1.03 mg/L
Mořské sedimenty		4.99 µg/kg
Mořské vody		403 ng/L
Občasné vydání (sladkovodní)		1.1 µg/L
Občasné vydání (tořskou vodu)		110 ng/L
Půda		3 mg/kg
Sladké vody		4.03 µg/L
Sladkovodní sedimenty		49.9 µg/kg

Disodium tin hexahydroxide

Trasa podání:	Doba expozice:	PNEC:
Čistírný odpadních vod		10 mg/L
Mořské sedimenty		139.46 µg/kg
Mořské vody		3.31 µg/L
Občasné vydání (sladkovodní)		331 µg/L
Občasné vydání (tořskou vodu)		33.1 µg/L
Sladké vody		33.1 µg/L
Sladkovodní sedimenty		1.395 mg/kg

peroxid vodíku 35%

Trasa podání:	Doba expozice:	PNEC:
Čistírný odpadních vod		4.66 mg/L
Čistírný odpadních vod		4.66 mg/L

Mořské sedimenty		0,047 mg/L
Mořské sedimenty		47 µg/kg
Mořské vody		0,047 mg/L
Mořské vody		12.6 µg/L
Občasné vydání (sladkovodní)		13.8 µg/L
Půda		0,023 mg/kg
Půda		2.3 µg/kg
Sladké vody		0,0126 mg/L
Sladké vody		12.6 µg/L
Sladkovodní sedimenty		0,047 mg/kg
Sladkovodní sedimenty		47 µg/kg

8.2. Omezování expozice

Je nutno pravidelně kontrolovat dodržování předepsaných limitů expozice.

Obecná doporučení:

Na pracovišti je zakázáno kouření, jídlo a pití včetně skladování tabáku, potravin a nápojů.

Scénáře expozice:

Pro tento produkt nejsou zavedeny žádné scénáře expozice

Limity expozice:

Profesionálních uživatelů se týkají limity BOZP stanovující maximální koncentrace na pracovišti. Viz výše uvedené prahové hodnoty BOZP.

Vhodná technická opatření:

Je třeba udržovat vytváření páry na minimu a pod současnými limitními hodnotami (viz výše). Pokud na pracovišti není dostatečné proudění vzduchu, doporučuje se nainstalovat místní systém odsávání. Zajistěte, aby byly jasné označeny stanice pro výplach očí a nouzové sprchy.

Při používání produktu aplikujte standardní preventivní opatření. Dbejte na to, aby nedošlo k inhalaci výparů.

Hygienická opatření:

Při každé pauze v používání produktu a po skončení práce s produktem si omyjte všechny exponované části těla. Věnujte zvláštní pozornost rukám, předloktí a obličejí.

Opatření k zabránění ohrožení prostředí:

Žádné zvláštní požadavky.

Osobní ochranná opatření, například osobní ochranné pomůcky

Obecně:

Používejte pouze ochranné pomůcky s označením CE.

Ochrana dýchacích cest:

Typ	Třída	Barva	Normy	
Žádné zvláštní při běžném použití.				

Ochrana pokožky:

Doporučený	Typ/Kategorie	Normy	
Žádné zvláštní při běžném použití	-	-	

Ochrana rukou:

Pracovní situace	Materiál	Minimální tloušťka vrstvy (mm)	Doba průniku (min.)	Normy	
	Žádné zvláštní při běžném použití	-	-	-	

Pracovní situace	Materiál	Minimální tloušťka vrstvy (mm)	Doba průniku (min.)	Normy	
V případě dlouhodobé expozice nebo vysokých koncentrací	Bavlny / Přírodní pryž (latex)	-	> 120	EN374-2, EN16523-1, EN388	

Ochrana očí:

Pracovní situace	Typ	Normy	
	Žádné zvláštní při běžném použití.	-	
V případě dlouhodobé expozice nebo vysokých koncentrací	Noste bezpečnostní brýle s bočními kryty.	EN166	

ODDÍL 9: FYZIKÁLNÍ A CHEMICKÉ VLASTNOSTI

9.1. Informace o základních fyzikálních a chemických vlastnostech

Skupenství:

Kapalina

Barva:

Bezbarvý

Zápach / Prahová hodnota zápachu (ppm):

Parfémovaný

pH:

ca. 4.8

Hustota (g/cm³):

1,02 (20 °C)

Kinematická viskozita:

Data nejsou k dispozici.

Charakteristiky částic:

Nevztahuje se na kapaliny.

Změny skupenství

Bod tání/bod tuhnutí (°C):

Data nejsou k dispozici.

Bod/rozsah bodu měknutí (°C):

Nevztahuje se na kapaliny.

Bod varu (°C):

Data nejsou k dispozici.

Tlak par:

Data nejsou k dispozici.

Relativní hustota páry:

Data nejsou k dispozici.

Teplota rozkladu (°C):

Data nejsou k dispozici.

Informace o riziku požáru a výbuchu

Bod vznícení (°C):

Data nejsou k dispozici.

Hořlavost (°C):

Data nejsou k dispozici.

Teplota samovznícení (°C):
Data nejsou k dispozici.

Limity expozice (% v/v):
Data nejsou k dispozici.

Rozpustnost

Rozpustnost ve vodě:
Zcela rozpustné

Koeficient n-oktanol/voda (LogKow):
Data nejsou k dispozici.

Rozpustnost v tuku (g/L):
Data nejsou k dispozici.

9.2. Další informace

Další fyzikální a chemické parametry:
Data nejsou k dispozici.

Oxidační vlastnosti:
Data nejsou k dispozici.

ODDÍL 10: STÁLOST A REAKTIVITA

10.1. Reaktivita

Data nejsou k dispozici.

10.2. Chemická stabilita

Produkt je stabilní za podmínek uvedených v oddíl 7 "Zacházení a skladování".

10.3. Možnost nebezpečných reakcí

Není známo.

10.4. Podmínky, kterým je třeba zabránit

Není známo.

10.5. Neslučitelné materiály

Silné kyseliny, silné zásady, silná oxidační činidla a silná rozkladná činidla.

10.6. Nebezpečné produkty rozkladu

Za běžných podmínek skladování a používání by neměly vznikat nebezpečné produkty rozkladu.

ODDÍL 11: TOXIKOLOGICKÉ INFORMACE

11.1. Informace o třídách nebezpečnosti vymezených v nařízení (ES) č. 1272/2008

Akutní toxicita

Název složky	peroxid vodíku 35%
Druh:	Krysa
Trasa podání:	Orální
Test:	LD50
Výsledek:	1.193 - 1.270 mg/L

Název složky	peroxid vodíku 35%
Druh:	Králík
Trasa podání:	Kožní
Test:	LD50
Výsledek:	>2.000 (35% oplošing) mg/kg

Název složky	1,2-benzisothiazol-3(2H)-on; 1,2-benzisothiazolin-3-on; 1,2-benzisothiazolin-3-on
Druh:	Krysa
Trasa podání:	Orální
Test:	LD50

Výsledek: 500 mg/kg

Na základě dostupných údajů nejsou kritéria pro klasifikaci splněna.

Žiravost/ dráždivost pro kůži

Název složky: peroxid vodíku 35%
Výsledek: Pozorovány nepříznivé účinky (Dráždivé)

Název složky: 1,2-benzisothiazol-3(2H)-on; 1,2-benzisothiazolin-3-on; 1,2-benzoisothiazolin-3-on
Zkušební metoda: OECD 404
Výsledek: Pozorovány nepříznivé účinky (Dráždivé)

Na základě dostupných údajů nejsou kritéria pro klasifikaci splněna.

Vážné poškození očí / podráždění očí

Název složky: peroxid vodíku 35%
Výsledek: Pozorovány nepříznivé účinky (Způsobuje vážné poškození očí)

Název složky: 1,2-benzisothiazol-3(2H)-on; 1,2-benzisothiazolin-3-on; 1,2-benzoisothiazolin-3-on
Zkušební metoda: OECD 405
Výsledek: Pozorovány nepříznivé účinky (Způsobuje vážné poškození očí)

Na základě dostupných údajů nejsou kritéria pro klasifikaci splněna.

Senzibilizace dýchacích cest

Název složky: peroxid vodíku 35%
Výsledek: Nepozorovány žádné nepříznivé účinky (není senzibilizující)

Na základě dostupných údajů nejsou kritéria pro klasifikaci splněna.

Senzibilizace kůže

Název složky: 1,2-benzisothiazol-3(2H)-on; 1,2-benzisothiazolin-3-on; 1,2-benzoisothiazolin-3-on
Zkušební metoda: OECD 429
Druh: Myš
Výsledek: Pozorovány nepříznivé účinky (senzibilizující)

Název složky: 1,2-benzisothiazol-3(2H)-on; 1,2-benzisothiazolin-3-on; 1,2-benzoisothiazolin-3-on
Zkušební metoda: OECD 406
Druh: Guinejské prase
Výsledek: Pozorovány nepříznivé účinky (senzibilizující)

Na základě dostupných údajů nejsou kritéria pro klasifikaci splněna.

Mutagenita v zárodečných buňkách

Na základě dostupných údajů nejsou kritéria pro klasifikaci splněna.

Karcinogenita

Název složky: peroxid vodíku 35%
Závěr: Nepozorovány žádné nepříznivé účinky

Na základě dostupných údajů nejsou kritéria pro klasifikaci splněna.

Toxicita pro reprodukci

Název složky: peroxid vodíku 35%
Závěr: Nepozorovány žádné nepříznivé účinky

Na základě dostupných údajů nejsou kritéria pro klasifikaci splněna.

Toxicita pro specifické cílové orgány – jednorázová expozice

Na základě dostupných údajů nejsou kritéria pro klasifikaci splněna.

Toxicita pro specifické cílové orgány – opakovaná expozice

Na základě dostupných údajů nejsou kritéria pro klasifikaci splněna.

Nebezpečnost při vdechnutí

Název složky: peroxid vodíku 35%
Na základě dostupných údajů nejsou kritéria pro klasifikaci splněna.

11.2. Informace o další nebezpečnosti

Dlouhodobé účinky

Není známo.

Vlastnosti vyvolávající narušení činnosti endokrinního systému

Tato směs/tento výrobek neobsahuje žádné látky, které jsou považovány za látky narušující hormonální funkce s ohledem na zdraví.

Další informace

peroxid vodíku 35%: Látka byla podle IARC klasifikována jako skupina 3.

ODDÍL 12: EKOLOGICKÉ INFORMACE**12.1. Toxicita**

Název složky	peroxid vodíku 35%
Druh:	Ryba, Pimephales promelas
Délka:	96 hodin
Test:	LC50
Výsledek:	16,4 mg/L

Název složky	peroxid vodíku 35%
Druh:	Ryba, Leuciscus idus
Délka:	72 hodin
Test:	LC50
Výsledek:	35 mg/L

Název složky	peroxid vodíku 35%
Druh:	Ryba, Oncorhynchus mykiss
Délka:	7 dní
Test:	LC50
Výsledek:	38,5 mg/L

Název složky	peroxid vodíku 35%
Druh:	Daphnia pulex
Délka:	48 hodin
Test:	EC50
Výsledek:	2,4 mg/L

Název složky	peroxid vodíku 35%
Druh:	Daphnia magna
Délka:	24 hodin
Test:	EC50
Výsledek:	7,7 mg/L

Název složky	peroxid vodíku 35%
Druh:	Skeletonema costatum
Délka:	72 hodin
Test:	EC50
Výsledek:	1,38 mg/L

Název složky	peroxid vodíku 35%
Zkušební metoda:	OECD 209
Druh:	Bakterie
Složka životního prostředí:	Čistírna aktivního bahna
Délka:	30 minutes
Test:	EC50
Výsledek:	466 mg/L

Název složky	peroxid vodíku 35%
Zkušební metoda:	OECD 209
Druh:	Bakterie
Složka životního prostředí:	Čistírna aktivního bahna

Délka:	3 hodin
Test:	EC50
Výsledek:	> 1.000 mg/L

Název složky	1,2-benzisothiazol-3(2H)-on; 1,2-benzisothiazolin-3-on; 1,2-benzoisothiazolin-3-on
Druh:	Ryba
Délka:	96 hodin
Test:	LC50
Výsledek:	>0.1-1 mg/L

Název složky	1,2-benzisothiazol-3(2H)-on; 1,2-benzisothiazolin-3-on; 1,2-benzoisothiazolin-3-on
Druh:	Koryš
Délka:	48 hodin
Test:	EC50
Výsledek:	>0.1-1 mg/L

Název složky	1,2-benzisothiazol-3(2H)-on; 1,2-benzisothiazolin-3-on; 1,2-benzoisothiazolin-3-on
Druh:	Řasy
Délka:	72 hodin
Test:	EC50
Výsledek:	>0.1-1 mg/L

Na základě dostupných údajů nejsou kritéria pro klasifikaci splněna.

12.2. Perzistence a rozložitelnost

Název složky	Alcohol, C13, bran., EO, sulfate Na~
Výsledek:	> 60 %
Závěr:	Snadná biologická rozložitelnost
Test:	OECD 301 B

Název složky	peroxid vodíku 35%
Závěr:	Snadná biologická rozložitelnost

Název složky	1,2-benzisothiazol-3(2H)-on; 1,2-benzisothiazolin-3-on; 1,2-benzoisothiazolin-3-on
Výsledek:	90%
Závěr:	Snadná biologická rozložitelnost
Test:	OECD 302

Povrchově aktivní látka(y) obsažena(y) v tomto přípravku je (jsou) v souladu s kritérii biodegradability podle Směrnice (EÚ) No. 648/2004 o detergentech. Údaje potvrzující toto prohlášení jsou k dispozici kompetentním institucím členských států Unie na jejich přímou žádost, nebo na žádost výrobce detergentu.

12.3. Bioakumulační potenciál

Název složky	peroxid vodíku 35%
LogKow:	-1,57
Závěr:	-

Název složky	1,2-benzisothiazol-3(2H)-on; 1,2-benzisothiazolin-3-on; 1,2-benzoisothiazolin-3-on
BCF:	2
LogKow:	1.45
Závěr:	Potenciál bioakumulace je nízký

12.4. Mobilita v půdě

Data nejsou k dispozici.

12.5. Výsledek posouzení PBT a vPvB

Tato směs/výrobek neobsahuje žádné látky považované za splňující kritéria klasifikace jakožto PBT či vPvB.

12.6. Vlastnosti vyvolávající narušení činnosti endokrinního systému

Tato směs/tento výrobek neobsahuje žádné látky, které jsou považovány za látky narušující endokrinní systém ve vztahu k životnímu prostředí.

12.7. Jiné nepříznivé účinky

Není známo.

ODDÍL 13: POKYNY PRO ODSTRAŇOVÁNÍ

13.1. Metody nakládání s odpady

Tento produkt podléhá předpisům o nebezpečném odpadu. (*)

HP 4 - Dráždivé (dráždivé pro kůži a pro oči)

Nařízení Komise (EU) č. 1357/2014 ze dne 18. prosince 2014 o odpadech.

Kód EWC:

20 01 30

Detergenty neuvedené pod položkou 20 01 29

Kontaminovaný obal

Obaly se zbytky produktu je nutno likvidovat stejným způsobem jako produkt.

ODDÍL 14: INFORMACE PRO PŘEPRUVU

	14.1 UN	14.2 Oficiální (OSN) pojmenování pro přepravu	14.3 Třída/třídy nebezpečnosti pro přepravu	14.4 PG*	14.5 Env **	Další informace:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Obalová skupina

** Nebezpečnost pro životní prostředí

Další informace

Není klasifikován jako nebezpečné zboží dle předpisů ADR, IATA a IMDG.

14.6. Zvláštní bezpečnostní opatření pro uživatele

Netýká se.

14.7. Námořní hromadná přeprava podle nástrojů IMO

Data nejsou k dispozici.

ODDÍL 15: INFORMACE O PŘEDPISECH

15.1. Předpisy týkající se bezpečnosti, zdraví a životního prostředí/specifické právní předpisy týkající se látky nebo směsi

Omezení aplikace:

Pouze pro profesionální uživatele.

Požadavek specifického vzdělání:

Žádné zvláštní požadavky.

SEVESO - Kategorie nebezpečnosti / Nebezpečné látky jmenovitě uvedené:

Netýká se.

Nařízení o prekurzorů výbušnin:

peroxid vodíku 35% (Příloha I)

Označení obsahu podle předpisu o detergentech 648/2004:

>5% - <15%

· Neiontové povrchově aktivní látky

< 5%

· Aniontové povrchově aktivní látky

· Bělicí činidla na bázi kyslíku

· Parfémy

· Konzervační (BENZISOTHIAZOLINONE)

Další informace:

Povrchově aktivní látka(y) obsažena(y) v tomto přípravku je (jsou) v souladu s kritérii biodegradability podle Směrnici (EÚ) No. 648/2004 o detergentech. Údaje potvrzující toto prohlášení jsou k dispozici kompetentním institucím členských států Unie na jejich přímou žádost, nebo na žádost výrobce detergentu.

Zdroje:

Nařízení Evropského parlamentu a Rady (ES) č. 648/2004 ze dne 31. března 2004 o detergentech.

Nařízení Komise (EU) č. 1357/2014 ze dne 18. prosince 2014 o odpadech.

Nařízení Rady (ES) č. 2019/1148 o prekursorů výbušnin.

Nařízení Evropského parlamentu a Rady (ES) č. 1272/2008 ze dne 16. prosince 2008 o klasifikaci, označování a balení látek a směsí (CLP).

Nařízení Evropského parlamentu a Rady (ES) č. 1907/2006 ze dne 18. prosince 2006 o registraci, hodnocení, povolování a omezování chemických látek (REACH).

15.2. Posouzení chemické bezpečnosti

Ne

ODDÍL 16: DALŠÍ INFORMACE

Plný text H-vět dle oddílu 3

H271, Může způsobit požár nebo výbuch; silný oxidant.

H302, Zdraví škodlivý při požití.

H314, Způsobuje těžké poleptání kůže a poškození očí.

H315, Dráždí kůži.

H318, Způsobuje vážné poškození očí.

H319, Způsobuje vážné podráždění očí.

H332, Zdraví škodlivý při vdechování.

H335, Může způsobit podráždění dýchacích cest.

H336, Může způsobit ospalost nebo závratě.

H412, Škodlivý pro vodní organismy, s dlouhodobými účinky.

Zkratky

ADN = Mezinárodní předpisy pro přepravu nebezpečných věcí na vnitrozemských vodních cestách

ADR = Evropská dohoda týkající se silniční přepravy nebezpečných věcí

ATE = odhad akutní toxicity

BCF = biokoncentrační faktor

CAS = CAS registr

CE = Evropská shoda

CLP = Nařízení o klasifikaci, označování a balení látek a směsí [nařízení (ES) 1272/2008]

CSA = posouzení chemické bezpečnosti

CSR = zpráva o chemické bezpečnosti

DMEL = odvozená minimální úroveň, při které dochází k nepříznivým účinkům

DNEL = odvozená úroveň, při které nedochází k nepříznivým účinkům

EINECS = Evropský seznam existujících obchodovaných chemických látek

ES = scénář expozice

EuPCS = Evropský systém kategorizace výrobků

EWC = Evropský katalog odpadů

GHS = Globálně harmonizovaný systém klasifikace a označování chemických látek a směsí

GWP = Potenciálem globálního oteplování

H nařízení Evropské unie = CLP - specifické nařízení nebezpečnosti

IATA = Asociace pro mezinárodní leteckou dopravu

IBC = IBC kontejner

IMDG = námořní přeprava nebezpečných věcí dle IMDG

LogPow = logaritmus rozdělovacího koeficientu oktanol/voda

MARPOL = Mezinárodní úmluva o zabránění znečištění z lodí z roku 1973 ve znění protokolu z roku 1978. ("MARPOL" = znečištění moří)

OECD = Organizace pro ekonomickou spolupráci a rozvoj

PBT = perzistentní, bioakumulativní a toxická/é

PNEC = odhad koncentrace, při níž nedochází k nepříznivým účinkům

RID = Nařízení o mezinárodní přepravě nebezpečného zboží po železnici

RRN = Registrační číslo REACH

SCL = určitý limit koncentrace.

STOT-RE = specifický cílový orgán toxicity - opakovaná expozice

STOT-SE = specifický cílový orgán toxicity - jednorázová expozice

SVHC = látky vyvolávající velmi velké obavy

TWA = Vážený průměr v čase

UN = Organizace spojených národů (OSN)

UVCB = Jsou látky s neznámým nebo proměnlivým složením, komplexní reakční produkty nebo biologické materiály.

VOC = těkavé organické látky

vPvB = vysoce perzistentní a vysoce bioakumulativní

Další informace

Netýká se.

BL ověřil

Quality & Compliance

Ostatní

Změna oproti poslední velké revizi (první číslice verze SDS) je označena trojúhelníkem.

Informace v tomto SDS se týkají pouze tohoto konkrétního produktu (zmíněnému v oddíl 1) a nemusí být přesné, pokud jde o jiné chemikálie/produkty.

Doporučujeme předat tento SDS skutečnému uživateli produktu. Informace v tomto SDS neslouží jako specifikace produktu.

Země-jazyk: CZ-cs

SICHERHEITSDATENBLATT

i.1 all-purpose cleaner FlexDose

ABSCHNITT 1: BEZEICHNUNG DES STOFFS BEZIEHUNGSWEISE DES GEMISCHS UND DES UNTERNEHMENS

1.1. Produktidentifikator

▼ *Handelsname:*

i.1 all-purpose cleaner FlexDose

1.2. Relevante identifizierte Verwendungen des Stoffs oder Gemischs und Verwendungen, von denen abgeraten wird

Relevante identifizierte Verwendungen des Stoffs oder Gemischs:

Wasch- und Reinigungsmittel (einschließlich Produkte auf Lösungsmittelbasis)
Nur für gewerbliche Anwender.

Verwendungen, von denen abgeraten wird:

Keine bekannt.

1.3. Einzelheiten zum Lieferanten, der das Sicherheitsdatenblatt bereitstellt

Firmenname und Adresse:

Hygeniq B.V.
Postbus 618
7500 AP Enschede
The Netherlands
+31 53 4282860
+31 53 5393865
www.hygeniq.com

Email:

info@hygeniq.com

Überarbeitet am:

27.06.2025

SDB Version:

2.0

Datum der letzten Ausgabe:

02.06.2025 (1.0)

1.4. Notrufnummer

Notfall: Rufen Sie 112 an, fordern Sie die Informationen zur Giftnotrufzentrale an. 24 Stunden am Tag geöffnet.
Giftnotrufzentrale Berlin, Notfallrufnummer: +49 30 19240 (Tag und Nacht)
Siehe auch Abschnitt 4 zu Erste-Hilfe-Maßnahmen

ABSCHNITT 2: MÖGLICHE GEFAHREN

2.1. Einstufung des Stoffs oder Gemischs

Nicht eingestuft gemäß der Verordnung (EG) Nr. 1272/2008 (CLP).

2.2. Kennzeichnungselemente

Gefahrenpiktogramme:

Nicht zutreffend.

Signalwort:

Nicht zutreffend.

Gefahrenhinweise:

Nicht zutreffend.

Sicherheitshinweise:

Allgemeines:

-

Prävention:

-

Reaktion:

-

Lagerung:

-

Entsorgung:

-

Enthält:

Enthält keine meldepflichtigen Substanzen

Andere Kennzeichnungen:

EUH210, Sicherheitsdatenblatt auf Anfrage erhältlich.

Kennzeichnung der Inhaltsstoffe gemäß Verordnung über Detergenzien 648/2004 (gilt für Verpackungen von Reinigungsmitteln, die an die breite Öffentlichkeit verkauft werden):

>5% - <15%

· Nichtionische tenside

< 5%

· Anionische Tenside

· Bleichmittel auf Sauerstoffbasis

· Duftstoffe

· Konservierungsmittel (BENZISOTHIAZOLINONE)

2.3. Sonstige Gefahren

Anderes:

Diese Mischung/dieses Produkt enthält keine Substanzen, die den Kriterien für eine Klassifizierung als PBT- und/oder vPvB-Stoff entsprechen.

Dieses Produkt enthält keine Stoffe, die gemäß den Kriterien der Delegierten Verordnung (EU) 2017/2100 der Kommission oder der Verordnung (EU) 2023/707 der Kommission als endokrine Disruptoren gelten.

ABSCHNITT 3: ZUSAMMENSETZUNG/ANGABEN ZU BESTANDTEILEN

3.1. Stoffe

Nicht zutreffend. Dieses Produkt ist ein Gemisch.

3.2. Gemische

Produkt / Substanz	Identifikatoren	% w/w	Einstufung	Anm.
Alcohol, C13, bran., EO, sulfate Na~	CAS-Nr.: 150413-26-6 EG-Nr.: 688-316-0 REACH: Indexnr.:	1-3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 3, H412	
Wasserstoffperoxid	CAS-Nr.: 7722-84-1 EG-Nr.: 231-765-0 REACH: 01-2119485845-22-XXXX Indexnr.: 008-003-00-9	1-3%	Ox. Liq. 1, H271 Acute Tox. 4, H302 Skin Corr. 1A, H314 (SCL: 70,00 %) Skin Corr. 1B, H314 (SCL: 50,00 %) Skin Irrit. 2, H315 (SCL: 35,00 %) Eye Dam. 1, H318 (SCL: 8,00 %)	

			Eye Irrit. 2, H319 (SCL: 5,00 %) Acute Tox. 4, H332 STOT SE 3, H336 (SCL: 35,00 %)	
citroenzuurmonohydraat	CAS-Nr.: 5949-29-1 EG-Nr.: 611-842-9 REACH: 01-2119457026-42-XXXX Indexnr.:	<0.1%	Eye Irrit. 2, H319	
Disodium tin hexahydroxide	CAS-Nr.: 12027-70-2 EG-Nr.: 234-724-5 REACH: 01-2120770924-45-XXXX Indexnr.:	<0.05%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	[1]

Vollständiger Text der H-Sätze - siehe Abschnitt 16. Die Grenzwerte für die Exposition am Arbeitsplatz sind, wenn verfügbar, in Abschnitt 8 wiedergegeben.

Weitere Angaben

[1] Europäischer Grenzwert für die berufsbedingte Exposition.

ABSCHNITT 4: ERSTE-HILFE-MAßNAHMEN

4.1. Beschreibung der Erste-Hilfe-Maßnahmen

Allgemeine Hinweise:

Bei Unfällen: Arzt oder Erste-Hilfe-Raum aufsuchen - das Etikett oder dieses Sicherheitsdatenblatt mitbringen.
Bei anhaltenden Symptomen oder Zweifel über den Zustand des Geschädigten ist ärztliche Hilfe aufzusuchen.
Einem Bewusstlosen nie Wasser o.Ä. verabreichen.

Nach Einatmen:

Bei Atembeschwerden oder Reizung der Atemwege: Betroffenen an die frische Luft bringen und beaufsichtigen.

Nach Hautkontakt:

Bei Reizung: Produkt abwaschen. Bei andauernder Reizung: Arzt aufsuchen.

Nach Augenkontakt:

Bei Kontakt mit den Augen: Sofort mindestens 5 Minuten lang mit Wasser (20-30 °C) spülen. Ggf. Kontaktlinsen herausnehmen. Arzt aufsuchen.

Nach Verschlucken:

Wenn die Person bei Bewusstsein ist, den Mund mit Wasser ausspülen und bei der Person bleiben. Geben Sie der Person niemals etwas zu trinken. Bei Unwohlsein: Umgehend mit einem Arzt Kontakt aufnehmen und dieses Sicherheitsdatenblatt oder die Etikette des Produktes mitbringen.
Kein Erbrechen erzwingen, es sei denn, der Arzt empfiehlt es. Kopf nach unten halten, um zu vermeiden, dass Erbrochenes zurück in Mund und Hals läuft.

Verbrennung:

Nicht zutreffend.

4.2. Wichtigste akute und verzögert auftretende Symptome und Wirkungen

Keine bekannt.

4.3. Hinweise auf ärztliche Soforthilfe oder Spezialbehandlung

Symptomatische Behandlung.

Hinweise für den Arzt

Dieses Sicherheitsdatenblatt oder das Etikett des Produktes mitbringen.

ABSCHNITT 5: MAßNAHMEN ZUR BRANDBEKÄMPFUNG

5.1. Löschmittel

Nicht zutreffend.

5.2. Besondere vom Stoff oder Gemisch ausgehende Gefahren

Bei Feuer bildet sich dichter Rauch. Abbauproduktexposition kann eine gesundheitliche Gefahr bedeuten. Geschlossene, dem Feuer ausgesetzte Behälter sind mit Wasser zu kühlen. Löschwasser nicht in Kanalisation und Fließgewässer gelangen lassen.

Wenn das Produkt hohen Temperaturen ausgesetzt wird, beispielsweise bei Feuer, kann es zu gefährlichen Abbauprodukten kommen. Dabei handelt es sich um:

Kohlenmonoxide (CO / CO₂)

5.3. Hinweise für die Brandbekämpfung

Keine besonderen Anforderungen.

ABSCHNITT 6: MAßNAHMEN BEI UNBEABSICHTIGTER FREISETZUNG

6.1. Personenbezogene Vorsichtsmaßnahmen, Schutzausrüstungen und in Notfällen anzuwendende Verfahren

Sorgen Sie für ausreichende Belüftung, insbesondere in geschlossenen Räumen.

Kontaminierte Bereiche können rutschig sein.

6.2. Umweltschutzmaßnahmen

Einleitung in Seen, Bäche, Kanalisationen usw. vermeiden.

Halten Sie Unbefugte von dem verschütteten Produkt fern.

6.3. Methoden und Material für Rückhaltung und Reinigung

Verschüttetes Material wird mit nicht brennbaren absorbierenden Materialien wie etwa Sand, Erde, Vermiculit und Diatomeenerde eingedämmt und gemäß den geltenden Regeln in Behältern gesammelt und entsorgt.

Die Reinigung erfolgt soweit möglich mit Reinigungsmitteln. Lösungsmittel sind zu vermeiden.

6.4. Verweis auf andere Abschnitte

Siehe Abschnitt 13 "Hinweise zur Entsorgung" zur Handhabung von Abfällen.

Für Schutzmaßnahmen siehe Abschnitt 8 "Begrenzung und Überwachung der Exposition/Persönliche Schutzausrüstungen".

ABSCHNITT 7: HANDHABUNG UND LAGERUNG

7.1. Schutzmaßnahmen zur sicheren Handhabung

Rauchen, Verzehr von Lebensmitteln und Getränken sind im Arbeitsbereich nicht zulässig.

Siehe Abschnitt 8 zum Persönliche Schutzausrüstungen.

7.2. Bedingungen zur sicheren Lagerung unter Berücksichtigung von Unverträglichkeiten

Geöffnete Behälter sorgfältig verschließen und aufrecht lagern, um jegliches Auslaufen zu verhindern.

Zusammenlagerung ist erlaubt für Produkte der Lagerklassen: 2A, 2B, 3, 4.1B, 4.2, 5.1A, 5.1B, 5.2, 6.1A, 6.1B, 6.1C, 6.1D, 8A, 8B, 10, 11, 12, 13.

Zusammenlagerung ist mit Einschränkungen erlaubt für Produkte der Lagerklassen: 4.1A, 4.3, 5.1C.

Separatlagerung ist erforderlich für Produkte aller übrigen Lagerklassen.

Geeigneten Verpackung:

Nur in Originalverpackung aufbewahren.

Lagerklasse:

Lagerklasse 12 (Nichtbrennbare Flüssigkeiten).

TRGS 510 - Lagerung von Gefahrstoffen in ortsbeweglichen Behältern.

Lagerbedingungen:

Trocken, kühl und gut belüftet.

Unverträgliche Materialien:

Starke Säuren, starke Basen, starke Oxidationsmittel und starke Reduktionsmittel.

7.3. Spezifische Endanwendungen

Dieses Produkt sollte nur für Anwendungen in Abschnitt 1.2 verwendet werden.

ABSCHNITT 8: BEGRENZUNG UND ÜBERWACHUNG DER EXPOSITION/PERSÖNLICHE SCHUTZAUSRÜSTUNGEN

8.1. Zu überwachende Parameter

2-(2-ethoxyethoxy)ethanol

Arbeitsplatzgrenzwert (8 Stunden) (ppm): 6

Arbeitsplatzgrenzwert (8 Stunden) (mg/m³): 35

Kurzzeitwert (15 Minuten) (ppm): 12

Kurzzeitwert (15 Minuten) (mg/m³): 70

Kategorie für Kurzzeitwerte: I

Bemerkungen:

Y = Ein Risiko der Fruchtschädigung braucht bei Einhaltung des Arbeitsplatzgrenzwertes und des biologischen Grenzwertes (BGW) nicht befürchtet zu werden.

AGS = Ausschuss für Gefahrstoffe.

(11) = Summe aus Dampf und Aerosolen.

Wasserstoffperoxid

Arbeitsplatzgrenzwert (8 Stunden) (ppm): 0,5

Arbeitsplatzgrenzwert (8 Stunden) (mg/m³): 0,71

Kurzzeitwert (15 Minuten) (ppm): 0,5

Kurzzeitwert (15 Minuten) (mg/m³): 0,71

Kategorie für Kurzzeitwerte: I

Bemerkungen:

DFG = Senatskommission zur Prüfung gesundheitsschädlicher Arbeitsstoffe der DFG (MAK-Kommission).

Y = Ein Risiko der Fruchtschädigung braucht bei Einhaltung des Arbeitsplatzgrenzwertes und des biologischen Grenzwertes (BGW) nicht befürchtet zu werden.

Technische Regeln für Gefahrstoffe, Arbeitsplatzgrenzwerte, TRGS 900 (Jan. 2006)

DNEL

1,2-Benzisothiazol-3(2H)-on; 1,2-Benzisothiazolin-3-on; 1,2-Benzisothiazolin-3-on

Prüfdauer:	Expositionswege:	DNEL:
Langfristig – Systemische Auswirkungen - Allgemeine Bevölkerung	Dermal	0.345 mg/kg
Langfristig – Systemische Auswirkungen - Arbeiter	Dermal	966 µg/kg/Tag
Langfristig – Systemische Auswirkungen - Allgemeine Bevölkerung	Inhalation	1.2 mg/m ³
Langfristig – Systemische Auswirkungen - Arbeiter	Inhalation	6.81 mg/m ³

2-(2-ethoxyethoxy)ethanol

Prüfdauer:	Expositionswege:	DNEL:
Langfristig – Systemische Auswirkungen - Allgemeine Bevölkerung	Dermal	25 mg/kg/day
Langfristig – Systemische Auswirkungen - Arbeiter	Dermal	50 mg/kg/Tag
Langfristig – Systemische Auswirkungen - Arbeiter	Dermal	83 mg/kg/day
Langfristig – Örtliche Auswirkungen - Allgemeine Bevölkerung	Inhalation	18,3 mg/m ³
Langfristig – Örtliche Auswirkungen - Allgemeine Bevölkerung	Inhalation	18 mg/m ³
Langfristig – Örtliche Auswirkungen - Arbeiter	Inhalation	18 mg/m ³
Langfristig – Örtliche Auswirkungen - Arbeiter	Inhalation	30 mg/m ³
Langfristig – Systemische Auswirkungen - Arbeiter	Inhalation	37 mg/m ³
Langfristig – Systemische Auswirkungen - Arbeiter	Inhalation	61 mg/m ³
Langfristig – Systemische Auswirkungen - Allgemeine Bevölkerung	Oral	25 mg/kg/Tag

Disodium tin hexahydroxide

Prüfdauer:	Expositionswege:	DNEL:
Langfristig – Systemische Auswirkungen - Allgemeine Bevölkerung	Dermal	1.21 mg/kg/Tag
Langfristig – Systemische Auswirkungen - Arbeiter	Dermal	3.37 mg/kg/Tag
Langfristig – Systemische Auswirkungen - Allgemeine Bevölkerung	Inhalation	1.78 mg/m ³
Langfristig – Systemische Auswirkungen - Arbeiter	Inhalation	11.9 mg/m ³
Langfristig – Systemische Auswirkungen - Allgemeine Bevölkerung	Oral	1.21 mg/kg/Tag

Wasserstoffperoxid

Prüfdauer:	Expositionswege:	DNEL:
Kurzfristig – Örtliche Auswirkungen - Allgemeine Bevölkerung	Inhalation	1.93 mg/m ³
Kurzfristig – Örtliche Auswirkungen - Arbeiter	Inhalation	3 mg/m ³
Langfristig – Örtliche Auswirkungen - Allgemeine Bevölkerung	Inhalation	0,21 mg/m ³
Langfristig – Örtliche Auswirkungen - Allgemeine Bevölkerung	Inhalation	210 µg/m ³
Langfristig – Örtliche Auswirkungen - Arbeiter	Inhalation	1.4 mg/m ³

PNEC

1,2-Benzisothiazol-3(2H)-on; 1,2-Benzisothiazolin-3-on; 1,2-Benzisothiazolin-3-on

Expositionswege:	Dauer der Aussetzung:	PNEC:
Erde		3 mg/kg
Kläranlagen		1.03 mg/L
Pulsierende Freisetzung (Seewasser)		110 ng/L
Pulsierende Freisetzung (Süßwasser)		1.1 µg/L
Seewasser		403 ng/L
Seewassersedimente		4.99 µg/kg
Süßwasser		4.03 µg/L
Süßwassersedimente		49.9 µg/kg

2-(2-ethoxyethoxy)ethanol

Expositionswege:	Dauer der Aussetzung:	PNEC:
Erde		0,15 mg/kg
Erde		0.732 mg/kg
Erde		0.34 mg/kg
Kläranlagen		500 mg/L
Pulsierende Freisetzung		10 mg/L
Pulsierende Freisetzung (Süßwasser)		10 mg/L
Seewasser		0,074 mg/L
Seewasser		0.198 mg/L
Seewassersedimente		0,274 mg/kg
Süßwasser		0,74 mg/L
Süßwasser		1.98 mg/L
Süßwassersedimente		2,47 mg/kg
Süßwassersedimente		7.32 mg/kg

Disodium tin hexahydroxide

Expositionswege:	Dauer der Aussetzung:	PNEC:
Kläranlagen		10 mg/L

Pulsierende Freisetzung (Seewasser)		33.1 µg/L
Pulsierende Freisetzung (Süßwasser)		331 µg/L
Seewasser		3.31 µg/L
Seewassersedimente		139.46 µg/kg
Süßwasser		33.1 µg/L
Süßwassersedimente		1.395 mg/kg

Wasserstoffperoxid

Expositionswege:	Dauer der Aussetzung:	PNEC:
Erde		0,023 mg/kg
Erde		2.3 µg/kg
Kläranlagen		4.66 mg/L
Kläranlagen		4.66 mg/L
Pulsierende Freisetzung (Süßwasser)		13.8 µg/L
Seewasser		0,047 mg/L
Seewasser		12.6 µg/L
Seewassersedimente		0,047 mg/L
Seewassersedimente		47 µg/kg
Süßwasser		0,0126 mg/L
Süßwasser		12.6 µg/L
Süßwassersedimente		0,047 mg/kg
Süßwassersedimente		47 µg/kg

8.2. Begrenzung und Überwachung der Exposition

Es wird empfohlen die Einhaltung der angegebenen Grenzwerte regelmäßig zu kontrollieren.

Allgemeine Hinweise:

Rauchen, Verzehr von Lebensmitteln und Getränken sind im Arbeitsbereich nicht zulässig.

Expositionsszenarien:

Für dieses Produkt wurden keine Expositionsszenarien implementiert.

Expositionsgrenzwerte:

Für berufliche Benutzer gelten in Bezug auf die maximalen Expositionskonzentrationen die gesetzlichen Vorschriften zu Arbeitshygiene. Siehe die obigen arbeitshygienische Grenzwerte.

Zusätzliche Hinweise zur Gestaltung technischer Anlagen:

Dampfbildung muss auf ein Minimum reduziert werden und unter den aktuellen Grenzwerten liegen (siehe oben). Wenn der reguläre Luftstrom im Arbeitsraum nicht ausreichend ist, wird die Installation eines lokalen Abluftsystems empfohlen. Not- und Augenduschen müssen deutlich gekennzeichnet sind. Es gelten die üblichen Vorkehrungsmaßnahmen bei der Verwendung des Produkts. Einatmen von Dämpfen vermeiden.

Hygienemaßnahmen:

Bei jeder Pause in der Produktnutzung und bei Ende der Arbeiten sind exponierte Körperteile zu waschen. Besonders auf Hände, Unterarme und Gesicht achten.

Begrenzung der Umweltexposition:

Keine besonderen Anforderungen.

Individuelle Schutzmaßnahmen

Allgemeine Schutzmaßnahmen:

Nur Schutzausrüstung mit CE-Kennzeichnung verwenden.

Atemschutz:

Typ	Klasse	Farbe	Normen	
Keine Besonderheiten bei normal vorgesehenem Gebrauch.				

Körperschutz:

Empfohlen	Typ/Kategorien	Normen	
Keine Besonderheiten bei normal vorgesehenem Gebrauch.	-	-	

Handschutz:

Arbeitssituation	Material	Minimale Schichtdicke (mm)	Durchbruchzeit (min.)	Normen	
	Keine Besonderheiten bei normal vorgesehenem Gebrauch	-	-	-	
Im Falle längere Exposition oder bei hoher Konzentration	Baumwolle / Latex	-	> 120	EN374-2, EN16523-1, EN388	

Augenschutz:

Arbeitssituation	Typ	Normen	
	Keine Besonderheiten bei normal vorgesehenem Gebrauch.	-	
Im Falle längere Exposition oder bei hoher Konzentration	Schutzbrille mit Seitenschutz tragen	EN166	

ABSCHNITT 9: PHYSIKALISCHE UND CHEMISCHE EIGENSCHAFTEN

9.1. Angaben zu den grundlegenden physikalischen und chemischen Eigenschaften

Form:

Flüssig

Farbe:

Farblos

Geruch / Geruchsschwelle (ppm):

Parfümiert

pH:

ca. 4.8

Dichte (g/cm³):

1,02 (20 °C)

Kinematische Viskosität:

Es liegen keine Daten vor.

Partikeleigenschaften:

Gilt nicht für Flüssigkeiten.

Zustandsänderungen

Schmelzpunkt/Gefrierpunkt (°C):

Es liegen keine Daten vor.

Erweichungspunkt/ -bereich (°C):

Gilt nicht für Flüssigkeiten.

Siedepunkt (°C):

Es liegen keine Daten vor.

Dampfdruck:

Es liegen keine Daten vor.

Relative Dampfdichte:

Es liegen keine Daten vor.

Zersetzungstemperatur (°C):

Es liegen keine Daten vor.

Explosions und Feuer Daten

Flammpunkt (°C):

Es liegen keine Daten vor.

Entzündbarkeit (°C):

Es liegen keine Daten vor.

Zündtemperatur (°C):

Es liegen keine Daten vor.

Explosionsgrenzen (% v/v):

Es liegen keine Daten vor.

Löslichkeit

Löslichkeit in Wasser:

Vollständig löslich

n-Octanol/Wasser Verteilungskoeffizient (LogKow):

Es liegen keine Daten vor.

Löslichkeit in Fett (g/L):

Es liegen keine Daten vor.

9.2. Sonstige Angaben

Weitere physikalische und chemische Parameter:

Es liegen keine Daten vor.

Brandfördernde Eigenschaften:

Es liegen keine Daten vor.

ABSCHNITT 10: STABILITÄT UND REAKTIVITÄT

10.1. Reaktivität

Es liegen keine Daten vor.

10.2. Chemische Stabilität

Das Produkt ist unter den in Abschnitt 7 aufgeführten Bedingungen stabil.

10.3. Möglichkeit gefährlicher Reaktionen

Keine bekannt.

10.4. Zu vermeidende Bedingungen

Keine bekannt.

10.5. Unverträgliche Materialien

Starke Säuren, starke Basen, starke Oxidationsmittel und starke Reduktionsmittel.

10.6. Gefährliche Zersetzungsprodukte

Unter normalen Lagerungs- und Verwendungsbedingungen sollten keine gefährlichen Zersetzungsprodukte entstehen.

ABSCHNITT 11: TOXIKOLOGISCHE ANGABEN

11.1. Angaben zu den Gefahrenklassen im Sinne der Verordnung (EG) Nr. 1272/2008

Akute Toxizität

Produkt / Substanz	2-(2-ethoxyethoxy)ethanol
Spezies:	Ratte
Expositionswegen:	Inhalation
Test:	LC0
Ergebnis:	0,025 mg/L

Produkt / Substanz	2-(2-ethoxyethoxy)ethanol
Prüfmethode:	OECD 402
Spezies:	Kaninchen
Expositionswegen:	Dermal
Test:	LD50
Ergebnis:	9143 mg/kg

Produkt / Substanz	2-(2-ethoxyethoxy)ethanol
Spezies:	Maus
Expositionswegen:	Oral
Test:	LD50
Ergebnis:	6031 mg/kg

Produkt / Substanz	Wasserstoffperoxid
Spezies:	Ratte
Expositionswegen:	Oral
Test:	LD50
Ergebnis:	1.193 - 1.270 mg/L

Produkt / Substanz	Wasserstoffperoxid
Spezies:	Kaninchen
Expositionswegen:	Dermal
Test:	LD50
Ergebnis:	>2.000 (35% oplossing) mg/kg

Produkt / Substanz	1,2-Benzisothiazol-3(2H)-on; 1,2-Benzisothiazolin-3-on; 1,2-Benzisothiazolin-3-on
Spezies:	Ratte
Expositionswegen:	Oral
Test:	LD50
Ergebnis:	500 mg/kg

Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.

Ätz-/Reizwirkung auf die Haut

Produkt / Substanz	2-(2-ethoxyethoxy)ethanol
Ergebnis:	Keine schädlichen Wirkungen beobachtet (Nicht reizend)

Produkt / Substanz	Wasserstoffperoxid
Ergebnis:	Schädliche Wirkungen beobachtet (Reizend)

Produkt / Substanz	1,2-Benzisothiazol-3(2H)-on; 1,2-Benzisothiazolin-3-on; 1,2-Benzisothiazolin-3-on
Prüfmethode:	OECD 404
Ergebnis:	Schädliche Wirkungen beobachtet (Reizend)

Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.

Schwere Augenschädigung/-reizung

Produkt / Substanz	2-(2-ethoxyethoxy)ethanol
Ergebnis:	Schädliche Wirkungen beobachtet (Leicht reizend)

Produkt / Substanz	Wasserstoffperoxid
Ergebnis:	Schädliche Wirkungen beobachtet (Verursacht schwere Augenschäden)

Produkt / Substanz	1,2-Benzisothiazol-3(2H)-on; 1,2-Benzisothiazolin-3-on; 1,2-Benzisothiazolin-3-on
Prüfmethode:	OECD 405
Ergebnis:	Schädliche Wirkungen beobachtet (Verursacht schwere Augenschäden)

Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.

Sensibilisierung der Atemwege

Produkt / Substanz	Wasserstoffperoxid
Ergebnis:	Keine schädlichen Wirkungen beobachtet (nicht sensibilisierend)

Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.

Sensibilisierung der Haut

Produkt / Substanz	1,2-Benzisothiazol-3(2H)-on; 1,2-Benzisothiazolin-3-on; 1,2-Benzisothiazolin-3-on
Prüfmethode:	OECD 429
Spezies:	Maus
Ergebnis:	Schädliche Wirkungen beobachtet (sensibilisierende)

Produkt / Substanz	1,2-Benzisothiazol-3(2H)-on; 1,2-Benzisothiazolin-3-on; 1,2-Benzisothiazolin-3-on
Prüfmethode:	OECD 406
Spezies:	Meerschweinchen
Ergebnis:	Schädliche Wirkungen beobachtet (sensibilisierende)

Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.

Keimzell-Mutagenität

Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.

Karzinogenität

Produkt / Substanz	Wasserstoffperoxid
Ergebnis:	Keine schädlichen Wirkungen beobachtet

Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.

Reproduktionstoxizität

Produkt / Substanz	Wasserstoffperoxid
Ergebnis:	Keine schädlichen Wirkungen beobachtet

Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.

Spezifische Zielorgan-Toxizität bei einmaliger Exposition

Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.

Spezifische Zielorgan-Toxizität bei wiederholter Exposition

Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.

Aspirationsgefahr

Produkt / Substanz	Wasserstoffperoxid

Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.

11.2. Angaben über sonstige Gefahren

Zusätzliche toxikologische Hinweise

Keine bekannt.

Endokrinschädlichen Eigenschaften

Diese Mischung/dieses Produkt enthält keine Substanzen, von denen angenommen wird, dass sie in Bezug auf die Gesundheit hormonstörende Eigenschaften aufweisen.

Sonstige Angaben

Wasserstoffperoxid : Der Stoff wurde von der IARC in Gruppe 3 eingestuft.

ABSCHNITT 12: UMWELTBEZOGENE ANGABEN

12.1. Toxizität

Produkt / Substanz	2-(2-ethoxyethoxy)ethanol
Spezies:	Bakterien
Prüfdauer:	16 hours
Ergebnis:	> 5000 mg/L
Produkt / Substanz	2-(2-ethoxyethoxy)ethanol
Prüfmethode:	OECD 201
Spezies:	Algen, Desmodesmus subspicatus
Prüfdauer:	96 Stunden
Test:	EC50
Ergebnis:	>100 mg/L
Produkt / Substanz	2-(2-ethoxyethoxy)ethanol
Prüfmethode:	OECD 202
Spezies:	Daphnia magna
Prüfdauer:	48 Stunden
Test:	EC50
Ergebnis:	1982 mg/L
Produkt / Substanz	2-(2-ethoxyethoxy)ethanol
Prüfmethode:	OECD 203
Spezies:	Fisch, Ictalurus catus
Prüfdauer:	96 Stunden
Test:	LC50
Ergebnis:	6010 mg/L
Produkt / Substanz	Wasserstoffperoxid
Spezies:	Fisch, Pimephales promelas
Prüfdauer:	96 Stunden
Test:	LC50
Ergebnis:	16,4 mg/L
Produkt / Substanz	Wasserstoffperoxid
Spezies:	Fisch, Leuciscus idus
Prüfdauer:	72 Stunden
Test:	LC50
Ergebnis:	35 mg/L
Produkt / Substanz	Wasserstoffperoxid
Spezies:	Fisch, Oncorhynchus mykiss
Prüfdauer:	7 Tage
Test:	LC50
Ergebnis:	38,5 mg/L
Produkt / Substanz	Wasserstoffperoxid
Spezies:	Daphnia pulex
Prüfdauer:	48 Stunden
Test:	EC50
Ergebnis:	2,4 mg/L
Produkt / Substanz	Wasserstoffperoxid
Spezies:	Daphnia magna
Prüfdauer:	24 Stunden
Test:	EC50
Ergebnis:	7,7 mg/L
Produkt / Substanz	Wasserstoffperoxid
Spezies:	Skeletonema costatum
Prüfdauer:	72 Stunden
Test:	EC50
Ergebnis:	1,38 mg/L

Produkt / Substanz	Wasserstoffperoxid
Prüfmethode:	OECD 209
Spezies:	Bakterien
Umwelt-kompartiment :	Aktivierete Kläranlage
Prüfdauer:	30 minutes
Test:	EC50
Ergebnis:	466 mg/L

Produkt / Substanz	Wasserstoffperoxid
Prüfmethode:	OECD 209
Spezies:	Bakterien
Umwelt-kompartiment :	Aktivierete Kläranlage
Prüfdauer:	3 Stunden
Test:	EC50
Ergebnis:	> 1.000 mg/L

Produkt / Substanz	1,2-Benzisothiazol-3(2H)-on; 1,2-Benzisothiazolin-3-on;1,2-Benzisothiazolin-3-on
Spezies:	Fisch
Prüfdauer:	96 Stunden
Test:	LC50
Ergebnis:	>0.1-1 mg/L

Produkt / Substanz	1,2-Benzisothiazol-3(2H)-on; 1,2-Benzisothiazolin-3-on;1,2-Benzisothiazolin-3-on
Spezies:	Krustentier
Prüfdauer:	48 Stunden
Test:	EC50
Ergebnis:	>0.1-1 mg/L

Produkt / Substanz	1,2-Benzisothiazol-3(2H)-on; 1,2-Benzisothiazolin-3-on;1,2-Benzisothiazolin-3-on
Spezies:	Algen
Prüfdauer:	72 Stunden
Test:	EC50
Ergebnis:	>0.1-1 mg/L

Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.

12.2. Persistenz und Abbaubarkeit

Produkt / Substanz	2-(2-ethoxyethoxy)ethanol
Ergebnis:	100 %
Ergebnis:	Leichte biologische Abbaubarkeit
Test:	OECD 301 B

Produkt / Substanz	Alcohol, C13, bran., EO, sulfate Na~
Ergebnis:	> 60 %
Ergebnis:	Leichte biologische Abbaubarkeit
Test:	OECD 301 B

Produkt / Substanz	Wasserstoffperoxid
Ergebnis:	Leichte biologische Abbaubarkeit

Produkt / Substanz	1,2-Benzisothiazol-3(2H)-on; 1,2-Benzisothiazolin-3-on;1,2-Benzisothiazolin-3-on
Ergebnis:	90%
Ergebnis:	Leichte biologische Abbaubarkeit
Test:	OECD 302

Das in dieser Zubereitung enthaltene Tensid erfüllt (Die in dieser Zubereitung enthaltenen Tenside erfüllen) die Bedingungen der biologischen Abbaubarkeit wie sie in der Verordnung (EG) Nr. 648/2004 über Detergenzien festgelegt sind. Unterlagen, die dies bestätigen, werden für die zuständigen Behörden der Mitgliedsstaaten bereit gehalten und nur diesen entweder auf ihre direkte oder auf Bitte eines Detergentienherstellers hin zur Verfügung gestellt.

12.3. Bioakkumulationspotenzial

Produkt / Substanz
Ergebnis: 2-(2-ethoxyethoxy)ethanol
Leichte biologische Abbaubarkeit

Produkt / Substanz
Ergebnis: 2-(2-ethoxyethoxy)ethanol
-

Produkt / Substanz
LogKow:
Ergebnis: Wasserstoffperoxid
-1,57
-

Produkt / Substanz
BCF:
LogKow:
Ergebnis: 1,2-Benzisothiazol-3(2H)-on; 1,2-Benzisothiazolin-3-on; 1,2-Benzisothiazolin-3-on
2
1.45
Potenzial zur Bioakkumulation ist gering

12.4. Mobilität im Boden

Es liegen keine Daten vor.

12.5. Ergebnisse der PBT- und vPvB-Beurteilung

Diese Mischung/dieses Produkt enthält keine Substanzen, die den Kriterien für eine Klassifizierung als PBT- und/oder vPvB-Stoff entsprechen.

12.6. Endokrinschädlichen Eigenschaften

Diese Mischung/dieses Produkt enthält keine Substanzen, von denen angenommen wird, dass sie in Bezug auf die Umwelt endokrinschädigende Eigenschaften aufweisen.

12.7. Andere schädliche Wirkungen

Keine bekannt.

ABSCHNITT 13: HINWEISE ZUR ENTSORGUNG

13.1. Verfahren der Abfallbehandlung

Das Produkt sollte als gefährlicher Abfall behandelt werden. (*)

HP 4 - reizend (Hautreizung und Augenschädigung)

VERORDNUNG (EU) Nr. 1357/2014 der Kommission vom 18. Dezember 2014 über Abfälle.

Abfallschlüsselnr. (EWC):

20 01 30

Reinigungsmittel mit Ausnahme derjenigen, die unter 20 01 29 fallen

Ungereinigte Verpackungen

Verpackungen mit Produktrückständen sind nach den gleichen Bedingungen zu entsorgen, wie das Produkt selbst.

ABSCHNITT 14: ANGABEN ZUM TRANSPORT

	14.1 UN	14.2 Ordnungsgemäße UN- Versandbezeichnung	14.3 Transportgefahrenklassen	14.4 PG*	14.5. Env**	Weitere Angaben:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Verpackungsgruppe

** Umweltgefahren

Anderes

Kein Gefahrgut nach ADR, IATA und IMDG.

14.6. Besondere Vorsichtsmaßnahmen für den Verwender

Nicht zutreffend.

14.7. Massengutbeförderung auf dem Seeweg gemäß IMO-Instrumenten

Es liegen keine Daten vor.

ABSCHNITT 15: RECHTSVORSCHRIFTEN

15.1. Vorschriften zu Sicherheit, Gesundheits- und Umweltschutz/spezifische Rechtsvorschriften für den Stoff oder das Gemisch

Nutzungsbeschränkungen:

Nur für gewerbliche Anwender.

Bedarf für spezielle Schulung:

Keine besonderen Anforderungen.

Der Störfallverordnung - Gefahrenkategorien / Namentlich aufgeführte gefährliche Stoffe:

Nicht zutreffend.

Verordnung von Ausgangsstoffen für Explosivstoffe:

Wasserstoffperoxid (Anhang I)

Kennzeichnung der Inhaltsstoffe gemäß Verordnung über Detergenzien 648/2004:

>5% - <15%

· Nichtionische tenside

< 5%

· Anionische Tenside

· Bleichmittel auf Sauerstoffbasis

· Duftstoffe

· Konservierungsmittel (BENZISOTHIAZOLINONE)

WGK-Einstufung:

Wassergefährdungsklasse: WGK 3

Anderes:

Das in dieser Zubereitung enthaltene Tensid erfüllt (Die in dieser Zubereitung enthaltenen Tenside erfüllen) die Bedingungen der biologischen Abbaubarkeit wie sie in der Verordnung (EG) Nr. 648/2004 über Detergenzien festgelegt sind. Unterlagen, die dies bestätigen, werden für die zuständigen Behörden der Mitgliedsstaaten bereit gehalten und nur diesen entweder auf ihre direkte oder auf Bitte eines Detergentienherstellers hin zur Verfügung gestellt.

Verwendete Quellen:

VERORDNUNG (EG) Nr. 648/2004 des Europäischen Parlaments und des Rates vom 31. März 2004 über Detergenzien.

VERORDNUNG (EU) Nr. 1357/2014 der Kommission vom 18. Dezember 2014 über Abfälle.

Verordnung (EU) 2019/1148 von Ausgangsstoffen für Explosivstoffe.

Verordnung über Anlagen zum Umgang mit wassergefährdenden Stoffen (AwSV).

VERORDNUNG (EG) Nr. 1272/2008 des Europäischen Parlaments und des Rates vom 16. Dezember 2008 über die Einstufung, Kennzeichnung und Verpackung von Stoffen und Gemischen (CLP).

Verordnung (EG) Nr. 1907/2006 des Europäischen Parlaments und des Rates vom 18. Dezember 2006 zur Registrierung, Bewertung, Zulassung und Beschränkung chemischer Stoffe (REACH).

15.2. Stoffsicherheitsbeurteilung

Nein

ABSCHNITT 16: SONSTIGE ANGABEN

H-Sätze (Abschnitt 3)

H271, Kann Brand oder Explosion verursachen; starkes Oxidationsmittel.

H302, Gesundheitsschädlich bei Verschlucken.

H314, Verursacht schwere Verätzungen der Haut und schwere Augenschäden.

H315, Verursacht Hautreizungen.

H318, Verursacht schwere Augenschäden.

H319, Verursacht schwere Augenreizung.

H332, Gesundheitsschädlich bei Einatmen.

H335, Kann die Atemwege reizen.

H336, Kann Schläfrigkeit und Benommenheit verursachen.

H412, Schädlich für Wasserorganismen, mit langfristiger Wirkung.

Abkürzungen und Akronyme

ADN = Europäisches Übereinkommen über die internationale Beförderung von gefährlichen Gütern auf Binnenwasserstrassen

ADR = Europäisches Übereinkommen über die internationale Beförderung gefährlicher Güter auf der Strasse

ak = andere kontrollpflichtige Abfälle

akb = andere kontrollpflichtige Abfälle mit Begleitscheinpflicht

ATE = Schätzwert akute Toxizität

BCF = Biokonzentrationsfaktor

CAS = Chemical Abstracts Service

CE = Conformité Européenne (Europäische Konformität)

CLP = Verordnung über die Einstufung, Kennzeichnung und Verpackung [Verordnung (EG) Nr. 1272/2008]

CSA = Stoffsicherheitsbeurteilung

CSR = Stoffsicherheitsbericht

DMEL = Abgeleiteter Minimaler-Effekt-Grenzwert

DNEL = Abgeleiteter Nicht-Effekt-Grenzwert

EAK = Europäischer Abfallkatalog

EINECS = Altstoffverzeichnis

ES = Expositionsszenario EUH-Satz = CLP-spezifischer Gefahrenhinweis

EuPCS = Europäisches Produktkategorisierungssystem

GHS = Global harmonisiertes System zur Einstufung und Kennzeichnung von Chemikalien

GWP = Potenzial zur Erwärmung der Erdatmosphäre

IATA = Internationale Flug-Transport-Vereinigung

IBC = Intermediate Bulk Container

IMDG = Gefährliche Güter im internationalen Seeschiffsverkehr

LogPow = Dekadischer Logarithmus des Oktanol-Wasser-Verteilungskoeffizienten

MARPOL = Internationales Übereinkommen von 1973 zur Verhütung der Meeresverschmutzung durch Schiffe in der Fassung des Protokolls von 1978. ("Marpol" = marine pollution)

nwg = Nicht wassergefährdend

OECD = Organisation für wirtschaftliche Zusammenarbeit und Entwicklung

PBT = Persistent, bioakkumulierbar und toxisch

PNEC = Abgeschätzte Nicht-Effekt-Konzentration

RID = Regelung zur internationalen Eisenbahnbeförderung gefährlicher Güter

RRN = REACH Registriernummer

S = Sonderabfälle

SCL = Spezifischen Konzentrationsgrenzwert.

SVHC = Besonders besorgniserregende Substanzen

STOT-RE = Spezifische Zielorgan-Toxizität - Wiederholte Exposition

STOT-SE = Spezifische Zielorgan-Toxizität - Einmalige Exposition

UN = Vereinigte Nationen

UVCB = Stoffe mit unbekannter oder variabler Zusammensetzung, komplexe Reaktionsprodukte und biologische Materialien.

VOC = Flüchtige organische Verbindungen

vPvB = Sehr persistent und sehr bioakkumulierbar

WGK = Wassergefährdungsklasse

Anderes

Nicht zutreffend.

Sicherheitsdatenblatt abgenommen durch

Quality & Compliance

Anderes

Änderungen im Verhältnis zur letzten umfassenden Revision (erste Ziffer in der SDS-Version, s. Abschnitt 1) dieses Sicherheitsdatenblatts sind mit einem Dreieck markiert.

Angaben in diesem Sicherheitsdatenblatt gelten nur für das Produkt in Abschnitt 1 und gelten nicht unbedingt bei Einsatz zusammen mit anderen Produkten.

Es wird empfohlen, dem tatsächlichen Produktbenutzer dieses Sicherheitsdatenblatt auszuhändigen. Die erwähnten Angaben sind nicht als Produktspezifikation zu verwenden.

Land-sprache: DE-de

SIKKERHEDSDATABLAD

i.1 all-purpose cleaner FlexDose

PUNKT 1: IDENTIFIKATION AF STOFFET/BLANDINGEN OG AF SELSKABET/VIRKSOMHEDEN

1.1. Produktidentifikator

▼ *Handelsnavn:*

i.1 all-purpose cleaner FlexDose

1.2. Relevante identificerede anvendelser for stoffet eller blandingen samt anvendelser, der frarådes

Relevante identificerede anvendelser for stoffet eller blandingen:

Vask- og rengøringsprodukt (indeholdende opløsningsmiddelbaserede produkter)

Udelukkende til erhvervsmæssig brug.

Anvendelser der frarådes :

Ingen kendte.

1.3. Nærmere oplysninger om leverandøren af sikkerhedsdatabladet

Firmanavn og adresse:

Hygeniq B.V.

Postbus 618

7500 AP Enschede

The Netherlands

+31 53 4282860

+31 53 5393865

www.hygeniq.com

E-mail:

info@hygeniq.com

Revision:

27.06.2025

SDS Version:

2.0

Dato for forrige udgave:

02.06.2025 (1.0)

1.4. Nødtelefon

Kontakt Giftlinjen på telefon +45 82 12 12 12 (åbent 24 timer i døgnet).

Se punkt 4 om førstehjælpsforanstaltninger.

PUNKT 2: FAREIDENTIFIKATION

2.1. Klassificering af stoffet eller blandingen

Ikke klassificeret i henhold til Europa-Parlamentets og Rådets forordning (EF) nr. 1272/2008 (CLP).

2.2. Mærkningselementer

Farepiktogram:

Ikke relevant.

Signalord:

Ikke relevant.

Faresætninger:

Ikke relevant.

Sikkerhedssætning(er):

Generelt:

-

Forebyggelse:

-

Reaktion:

-

Opbevaring:

-

Bortskaffelse:

-

Oplysningspligtige indholdsstoffer:

Indeholder ingen oplysningspligtige stoffer

Anden mærkning:

EUH210, Sikkerhedsdatablad kan på anmodning rekvireres.

Indholdsmærkning jævnfør detergent-forordning (EF) nr. 648/2004 (gælder for emballage til vaskemidler, der sælges til offentligheden):

>5% - <15%

· Nonioniske overfladeaktive stoffer

< 5%

· Anioniske overfladeaktive stoffer

· Iltbaserede Blegemidler

· Parfume

· Konserveringsmiddel (BENZISOTHIAZOLINONE)

2.3. Andre farer

Andet:

Blandingen/produktet indeholder ingen stoffer, som opfylder kriterierne for at skulle klassificeres som et PBT- og/eller vPvB-stof.

Produktet indeholder ingen stoffer, der er vurderet til at være hormonforstyrrende i overensstemmelse med kriterierne i Kommissionens delegerede forordning (EU) 2017/2100 eller Kommissionens forordning (EU) 2023/707.

PUNKT 3: SAMMENSÆTNING AF/OPLYSNING OM INDHOLDSTOFFER

3.1. Stoffer

Finder ikke anvendelse. Dette produkt er en blanding.

3.2. Blandinger

Produkt/Substans	Identifikatorer	% w/w	Klassificering	Bem.
Alcohol, C13, bran., EO, sulfat Na~	CAS nr: 150413-26-6 EF nr.: 688-316-0 REACH: Indeksnr.:	1-3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 3, H412	
hydrogenperoxidopløsning 35%; brintoverilte 35%	CAS nr: 7722-84-1 EF nr.: 231-765-0 REACH: 01-2119485845-22-XXXX Indeksnr.: 008-003-00-9	1-3%	Ox. Liq. 1, H271 Acute Tox. 4, H302 Skin Corr. 1A, H314 (SCL: 70,00 %) Skin Corr. 1B, H314 (SCL: 50,00 %)	

I overensstemmelse med Forordning (EF) nr. 1907/2006 (REACH), bilag II, med senere tilpasning i henhold til Forordning (EU) nr. 2020/878

			Skin Irrit. 2, H315 (SCL: 35,00 %) Eye Dam. 1, H318 (SCL: 8,00 %) Eye Irrit. 2, H319 (SCL: 5,00 %) Acute Tox. 4, H332 STOT SE 3, H336 (SCL: 35,00 %)	
citroenzuurmonohydraat	CAS nr.: 5949-29-1 EF nr.: 611-842-9 REACH: 01-2119457026-42-XXXX Indeksnr.:	<0.1%	Eye Irrit. 2, H319	
Disodium tin hexahydroxide	CAS nr.: 12027-70-2 EF nr.: 234-724-5 REACH: 01-2120770924-45-XXXX Indeksnr.:	<0.05%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	[1]

Den fulde ordlyd af H-sætningerne findes i punkt 16. Arbejdshygiejniske grænseværdier er nævnt i punkt 8, såfremt de er tilgængelige.

Andre oplysninger

[1] Stoffet har en europæisk grænseværdi.

PUNKT 4: FØRSTEHJÆLPSFORANSTALTNINGER

4.1. Beskrivelse af førstehjælpsforanstaltninger

Generelt:

Ved uheld: Kontakt læge eller skadestue - medbring etiketten eller dette sikkerhedsdatablad. Lægen kan rette henvendelse til Arbejds- og miljømedicinsk klinik, Bispebjerg Hospital, tlf. 38 63 61 72.

Ved vedvarende symptomer eller ved tvivl om den tilskadekomnes tilstand skal der søges lægehjælp. Giv aldrig en bevidstløs person vand eller lignende.

Indånding:

Ved åndedrætsbesvær eller anden irritation af luftvejene: Bring personen ud i frisk luft og hold personen under opsyn.

Hudkontakt:

Ved irritation: Vask produktet af. Ved fortsat irritation: Søg læge.

Øjenkontakt:

Ved kontakt med øjnene: Skyl straks med vand eller saltvand (20-30 °C) i mindst 5 minutter. Fjern evt. kontaktlinser. Søg læge og fortsæt skylningen under transporten derhen.

Indtagelse:

Hvis personen er ved bevidsthed, skyl og rens munden med vand og hold personen under opsyn. Giv ikke personen noget at drikke.

Ved ildebefindende: Kontakt omgående læge og medbring dette sikkerhedsdatablad eller etiketten fra produktet. Fremkald ikke opkastning, medmindre lægen anbefaler det. Sænk hovedet, således at evt. opkast ikke vil løbe tilbage i munden og halsen.

Forbrænding:

Ikke relevant.

4.2. Vigtigste symptomer og virkninger, både akutte og forsinkede

Ingen kendte.

4.3. Angivelse af om øjeblikkelig lægehjælp og særlig behandling er nødvendig

Behandles symptomatisk.

Oplysning til lægen

Medbring dette sikkerhedsdatablad eller etiketten fra materialet.

PUNKT 5: BRANDBEKÆMPELSE

5.1. Slukningsmidler

Ikke relevant.

5.2. Særlige farer i forbindelse med stoffet eller blandingen

Brand vil udvikle tæt røg. Udsættelse for nedbrydningsprodukter kan udgøre en sundhedsfare. Lukkede beholdere, der udsættes for ild, afkøles med vand. Lad ikke vand fra brandslukning løbe ud i kloakker og vandløb.

Hvis produktet udsættes for høje temperaturer, fx i tilfælde af brand, kan der dannes farlige nedbrydningsprodukter.

Disse er:

Carbonoxider (CO / CO₂)

5.3. Anvisninger for brandmandskab

Ingen særlige krav.

PUNKT 6: FORHOLDSREGLER OVER FOR UDSLIP VED UHELD

6.1. Personlige sikkerhedsforanstaltninger, personlige værnemidler og nødprocedurer

Sørg for tilstrækkelig ventilation, især i lukkede områder.

Forurenede arealer kan være glatte.

6.2. Miljøbeskyttelsesforanstaltninger

Undgå udledning til søer, åer, kloakker mv.

Hold uautoriserede personer væk fra spildet

6.3. Metoder og udstyr til inddæmning og oprensning

Spild begrænses og opsamles med ikke-brandbart absorberende materiale, f.eks. sand, jord, vemiculite, diatomejord og placeres i beholder og bortskaffes i overensstemmelse med gældende regler.

Rengøring foretages så vidt muligt med rengøringsmidler. Opløsningsmidler bør undgås.

6.4. Henvisning til andre punkter

Se punkt 13 "Bortskaffelse" om håndtering af affald.

Se punkt 8 "Eksponeringskontrol/personlige værnemidler" for beskyttelsesforanstaltninger.

PUNKT 7: HÅNDTERING OG OPBEVARING

7.1. Forholdsregler for sikker håndtering

Rygning samt indtagelse af mad og drikke er ikke tilladt i arbejdslokaler.

Se punktet "Eksponeringskontrol/personlige værnemidler" for oplysning om personlig beskyttelse.

7.2. Betingelser for sikker opbevaring, herunder eventuel uforenelighed

Åbnet emballage skal lukkes omhyggeligt og opbevares oprejst for at forebygge lækage.

Anbefalet opbevaringsmateriale:

Opbevares kun i originalemballagen.

Opbevaringsbetingelser:

Tørt, køligt og velventileret

Materialer, der skal undgås:

Stærke syrer, stærke baser, stærke oxidationsmidler og stærke reduktionsmidler.

7.3. Særlige anvendelser

Produktet bør kun bruges til anvendelser beskrevet i punkt 1.2.

PUNKT 8: EKSPONERINGSKONTROL/PERSONLIGE VÆRNEMIDLER

8.1. Kontrolparametre

I overensstemmelse med Forordning (EF) nr. 1907/2006 (REACH), bilag II, med senere tilpasning i henhold til Forordning (EU) nr. 2020/878

hydrogenperoxidopløsning 35%; brintoverilte 35%
Grænseværdi (8 timer) (mg/m³): 1,4
Grænseværdi (8 timer) (ppm): 1
Grænseværdi (15 minutter) (mg/m³): 2,8
Grænseværdi (15 minutter) (ppm): 2

Bekendtgørelse nr. 1619 om grænseværdier for stoffer og materialer af 19/12/2024.

DNEL

1,2-benzisothiazol-3(2H)-on; 1,2-benzisothiazolin-3-on

Varighed:	Eksponeringsvej:	DNEL:
På lang sigt – systemiske virkninger - arbejdere	Dermal	966 µg/kg/dag
På lang sigt – systemiske virkninger - forbruger	Dermal	0.345 mg/kg
På lang sigt – systemiske virkninger - arbejdere	Indånding	6.81 mg/m ³
På lang sigt – systemiske virkninger - forbruger	Indånding	1.2 mg/m ³

Disodium tin hexahydroxide

Varighed:	Eksponeringsvej:	DNEL:
På lang sigt – systemiske virkninger - arbejdere	Dermal	3.37 mg/kg bw/dag
På lang sigt – systemiske virkninger - forbruger	Dermal	1.21 mg/kg bw/dag
På lang sigt – systemiske virkninger - arbejdere	Indånding	11.9 mg/m ³
På lang sigt – systemiske virkninger - forbruger	Indånding	1.78 mg/m ³
På lang sigt – systemiske virkninger - forbruger	Oral	1.21 mg/kg bw/dag

hydrogenperoxidopløsning 35%; brintoverilte 35%

Varighed:	Eksponeringsvej:	DNEL:
På kort sigt – lokale virkninger - arbejdere	Indånding	3 mg/m ³
På kort sigt – lokale virkninger - forbruger	Indånding	1.93 mg/m ³
På lang sigt – lokale virkninger - arbejdere	Indånding	1.4 mg/m ³
På lang sigt – lokale virkninger - forbruger	Indånding	0.21 mg/m ³
På lang sigt – lokale virkninger - forbruger	Indånding	210 µg/m ³

PNEC

1,2-benzisothiazol-3(2H)-on; 1,2-benzisothiazolin-3-on

Eksponeringsvej:	Varighed af eksponering:	PNEC:
Ferskvand		4.03 µg/L
Ferskvandssediment		49.9 µg/kg
Havvand		403 ng/L
Havvandssediment		4.99 µg/kg
Jord		3 mg/kg
Periodisk udslip (ferskvand)		1.1 µg/L
Periodisk udslip (havvand)		110 ng/L
Spildevandsbehandlingsanlæg		1.03 mg/L

Disodium tin hexahydroxide

Eksponeringsvej:	Varighed af eksponering:	PNEC:
Ferskvand		33.1 µg/L
Ferskvandssediment		1.395 mg/kg

I overensstemmelse med Forordning (EF) nr. 1907/2006 (REACH), bilag II, med senere tilpasning i henhold til Forordning (EU) nr. 2020/878

Havvand		3.31 µg/L
Havvandssediment		139.46 µg/kg
Periodisk udslip (ferskvand)		331 µg/L
Periodisk udslip (havvand)		33.1 µg/L
Spildevandsbehandlingsanlæg		10 mg/L

hydrogenperoxidopløsning 35%; brintoverilte 35%

Eksponeringsvej:	Varighed af eksponering:	PNEC:
Ferskvand		0,0126 mg/L
Ferskvand		12.6 µg/L
Ferskvandssediment		0,047 mg/kg
Ferskvandssediment		47 µg/kg
Havvand		0,047 mg/L
Havvand		12.6 µg/L
Havvandssediment		0,047 mg/L
Havvandssediment		47 µg/kg
Jord		0,023 mg/kg
Jord		2.3 µg/kg
Periodisk udslip (ferskvand)		13.8 µg/L
Spildevandsbehandlingsanlæg		4.66 mg/L
Spildevandsbehandlingsanlæg		4.66 mg/L

8.2. Eksponeringskontrol

Overholdelse af de angivne grænseværdier bør kontrolleres regelmæssigt. Se evt. At-vejledning D.7.1, maj 2001.

Generelle forholdsregler:

Rygning samt indtagelse af mad og drikke er ikke tilladt i arbejdslokaler.

Eksponeringsscenarier:

Der er ikke implementeret nogen eksponeringsscenarier for dette produkt.

Eksponeringsgrænse:

Erhvervsmæssige brugere er omfattet af arbejdsmiljølovgivningens regler om maksimumkoncentrationer for eksponering. Se arbejdshygiejniske grænseværdier ovenfor.

Tekniske tiltag:

Udvikling af dampe skal holdes lavest muligt og under de pågældende grænseværdier (se ovenfor). Brug eventuelt punktudsugning såfremt almindelig luftgennemstrømning i arbejdslokalet ikke er tilstrækkeligt. Sørg for synlig skiltning af øjensky og nødbruker.

Udvis almindelig forsigtighed ved brug af produktet. Undgå indånding af dampe.

Hygiejniske foranstaltninger:

Ved hver pause i brug af produktet og ved arbejdets ophør skal eksponerede områder af kroppen afvaskes. Vær særlig opmærksom på hænder, underarme og ansigt.

Foranstaltninger til begrænsning af eksponering af miljøet:

Ingen særlige krav.

Individuelle beskyttelsesforanstaltninger

Generelt:

Anvend kun CE-mærket værneudstyr.

Luftvejene:

Type	Klasse	Farve	Standarder	
Ingen særlige ved normal tilsigtet brug.				

Hud og krop:

Type	Type/Kategori	Standarder	
Ingen særlige ved normal tilsigtet brug.	-	-	

Hænder:

Arbejdssituation	Materiale	Handsketykkelse (mm)	Gennembrudstid (min.)	Standarder	
	Ingen særlige ved normal tilsigtet brug	-	-	-	
I tilfælde af langvarig eksponering eller høje koncentrationer	Bomuld / Naturgummi (latex)	-	> 120	EN374-2, EN16523-1, EN388	

Øjne:

Arbejdssituation	Type	Standarder	
	Ingen særlige ved normal tilsigtet brug.	-	
I tilfælde af langvarig eksponering eller høje koncentrationer	Beskyttelsesbriller med sideskjold	EN166	

PUNKT 9: FYSISKE OG KEMISKE EGENSKABER

9.1. Oplysninger om grundlæggende fysiske og kemiske egenskaber

Fysisk form:

Flydende

Farve:

Farveløs

Lugt / Lugttærskel (ppm):

Parfumeret

pH:

ca. 4.8

Massefylde (g/cm³):

1,02 (20 °C)

Kinematisk viskositet:

Ingen data tilgængelige.

Partikelegenskaber:

Finder ikke anvendelse på væsker.

Tilstandsændring og dampe

Smeltepunkt/frysepunkt (°C):

Ingen data tilgængelige.

Blødgøringspunkt/-interval (°C):

Finder ikke anvendelse på væsker.

Kogepunkt (°C):

Ingen data tilgængelige.

Damptryk:

Ingen data tilgængelige.

Relativ dampmassefylde:

Ingen data tilgængelige.

Nedbrydningsstemperatur (°C):

Ingen data tilgængelige.

Data for brand- og eksplosionsfare

Flammepunkt (°C):

Ingen data tilgængelige.

Antændelighed (°C):

Ingen data tilgængelige.

Selvantændelsestemperatur (°C):

Ingen data tilgængelige.

Øvre og nedre eksplosionsgrænse (% v/v):

Ingen data tilgængelige.

Opløselighed

Opløselighed i vand:

Fuldt opløseligt

n-octanol/vand koefficient (LogKow):

Ingen data tilgængelige.

Opløselighed i fedt (g/L):

Ingen data tilgængelige.

9.2. Andre oplysninger

Andre fysiske og kemiske parametre:

Ingen data tilgængelige.

Oxiderende egenskaber:

Ingen data tilgængelige.

PUNKT 10: STABILITET OG REAKTIVITET

10.1. Reaktivitet

Ingen data tilgængelige.

10.2. Kemisk stabilitet

Produktet er stabilt under de betingelser, som er angivet i punkt 7 "Håndtering og opbevaring".

10.3. Risiko for farlige reaktioner

Ingen kendte.

10.4. Forhold, der skal undgås

Ingen kendte.

10.5. Materialer, der skal undgås

Stærke syrer, stærke baser, stærke oxidationsmidler og stærke reduktionsmidler.

10.6. Farlige nedbrydningsprodukter

Under normale opbevarings- og brugsforhold bør der ikke dannes farlige nedbrydningsprodukter.

PUNKT 11: TOKSIKOLOGISKE OPLYSNINGER

11.1. Oplysninger om fareklasser som defineret i forordning (EF) nr. 1272/2008

Akut toksicitet

Produkt/Substans	hydrogenperoxidopløsning 35%; brintoverilte 35%
Art:	Rotte
Eksponeringsvej:	Oral
Test:	LD50
Resultat:	1.193 - 1.270 mg/L

I overensstemmelse med Forordning (EF) nr. 1907/2006 (REACH), bilag II, med senere tilpasning i henhold til Forordning (EU) nr. 2020/878

Produkt/Substans	hydrogenperoxidopløsning 35%; brintoverilte 35%
Art:	Kanin
Eksponeringsvej:	Dermal
Test:	LD50
Resultat:	>2.000 (35% opløsning) mg/kg

Produkt/Substans	1,2-benzisothiazol-3(2H)-on; 1,2-benzisothiazolin-3-on
Art:	Rotte
Eksponeringsvej:	Oral
Test:	LD50
Resultat:	500 mg/kg

På grundlag af de foreliggende data anses kriterierne for klassificering ikke for at være opfyldt.

Hudætsning/-irritation

Produkt/Substans	hydrogenperoxidopløsning 35%; brintoverilte 35%
Resultat:	Skadelige virkninger observeret (Irriterende)

Produkt/Substans	1,2-benzisothiazol-3(2H)-on; 1,2-benzisothiazolin-3-on
Forsøgsmetode:	OECD 404
Resultat:	Skadelige virkninger observeret (Irriterende)

På grundlag af de foreliggende data anses kriterierne for klassificering ikke for at være opfyldt.

Alvorlig øjenskade/øjenirritation

Produkt/Substans	hydrogenperoxidopløsning 35%; brintoverilte 35%
Resultat:	Skadelige virkninger observeret (Forårsager alvorlig øjenskade)

Produkt/Substans	1,2-benzisothiazol-3(2H)-on; 1,2-benzisothiazolin-3-on
Forsøgsmetode:	OECD 405
Resultat:	Skadelige virkninger observeret (Forårsager alvorlig øjenskade)

På grundlag af de foreliggende data anses kriterierne for klassificering ikke for at være opfyldt.

Respiratorisk sensibilisering

Produkt/Substans	hydrogenperoxidopløsning 35%; brintoverilte 35%
Resultat:	Ingen skadelige virkninger observeret (ikke sensibiliserende)

På grundlag af de foreliggende data anses kriterierne for klassificering ikke for at være opfyldt.

Hudsensibilisering

Produkt/Substans	1,2-benzisothiazol-3(2H)-on; 1,2-benzisothiazolin-3-on
Forsøgsmetode:	OECD 429
Art:	Mus
Resultat:	Skadelige virkninger observeret (sensibiliserende)

Produkt/Substans	1,2-benzisothiazol-3(2H)-on; 1,2-benzisothiazolin-3-on
Forsøgsmetode:	OECD 406
Art:	Marsvin
Resultat:	Skadelige virkninger observeret (sensibiliserende)

På grundlag af de foreliggende data anses kriterierne for klassificering ikke for at være opfyldt.

Kimcellemutagenicitet

På grundlag af de foreliggende data anses kriterierne for klassificering ikke for at være opfyldt.

Kræftfremkaldende egenskaber

Produkt/Substans	hydrogenperoxidopløsning 35%; brintoverilte 35%
Konklusion:	Ingen skadelige virkninger observeret

På grundlag af de foreliggende data anses kriterierne for klassificering ikke for at være opfyldt.

Reproduktionstoksicitet

Produkt/Substans	hydrogenperoxidopløsning 35%; brintoverilte 35%
Konklusion:	Ingen skadelige virkninger observeret

På grundlag af de foreliggende data anses kriterierne for klassificering ikke for at være opfyldt.

Enkel STOT-eksponering

På grundlag af de foreliggende data anses kriterierne for klassificering ikke for at være opfyldt.

Gentagne STOT-eksponeringer

På grundlag af de foreliggende data anses kriterierne for klassificering ikke for at være opfyldt.

Aspirationsfare

Produkt/Substans hydrogenperoxidopløsning 35%; brintoverilte 35%

På grundlag af de foreliggende data anses kriterierne for klassificering ikke for at være opfyldt.

11.2. Oplysninger om andre farer

Langtidsvirkninger

Ingen kendte.

Hormonforstyrrende egenskaber

Blandingens/produktet indeholder ingen stoffer, som er vurderet til at have hormonforstyrrende egenskaber i forhold til sundhed.

Andre oplysninger

hydrogenperoxidopløsning 35%; brintoverilte 35% er klassificeret af IARC i gruppe 3.

PUNKT 12: MILJØOPLYSNINGER

12.1. Toksicitet

Produkt/Substans	hydrogenperoxidopløsning 35%; brintoverilte 35%
Art:	Fisk, Pimephales promelas
Varighed:	96 timer
Test:	LC50
Resultat:	16,4 mg/L

Produkt/Substans	hydrogenperoxidopløsning 35%; brintoverilte 35%
Art:	Fisk, Leuciscus idus
Varighed:	72 timer
Test:	LC50
Resultat:	35 mg/L

Produkt/Substans	hydrogenperoxidopløsning 35%; brintoverilte 35%
Art:	Fisk, Oncorhynchus mykiss
Varighed:	7 dage
Test:	LC50
Resultat:	38,5 mg/L

Produkt/Substans	hydrogenperoxidopløsning 35%; brintoverilte 35%
Art:	Daphnia pulex
Varighed:	48 timer
Test:	EC50
Resultat:	2,4 mg/L

Produkt/Substans	hydrogenperoxidopløsning 35%; brintoverilte 35%
Art:	Daphnia magna
Varighed:	24 timer
Test:	EC50
Resultat:	7,7 mg/L

Produkt/Substans	hydrogenperoxidopløsning 35%; brintoverilte 35%
Art:	Skeletonema costatum
Varighed:	72 timer
Test:	EC50
Resultat:	1,38 mg/L

I overensstemmelse med Forordning (EF) nr. 1907/2006 (REACH), bilag II, med senere tilpasning i henhold til Forordning (EU) nr. 2020/878

Produkt/Substans	hydrogenperoxidopløsning 35%; brintoverilte 35%
Forsøgsmetode:	OECD 209
Art:	Bakterie
Delmiljø:	Aktivt renseanlæg
Varighed:	30 minutes
Test:	EC50
Resultat:	466 mg/L

Produkt/Substans	hydrogenperoxidopløsning 35%; brintoverilte 35%
Forsøgsmetode:	OECD 209
Art:	Bakterie
Delmiljø:	Aktivt renseanlæg
Varighed:	3 timer
Test:	EC50
Resultat:	> 1.000 mg/L

Produkt/Substans	1,2-benzisothiazol-3(2H)-on; 1,2-benzisothiazolin-3-on
Art:	Fisk
Varighed:	96 timer
Test:	LC50
Resultat:	>0.1-1 mg/L

Produkt/Substans	1,2-benzisothiazol-3(2H)-on; 1,2-benzisothiazolin-3-on
Art:	Krebsdyr
Varighed:	48 timer
Test:	EC50
Resultat:	>0.1-1 mg/L

Produkt/Substans	1,2-benzisothiazol-3(2H)-on; 1,2-benzisothiazolin-3-on
Art:	Alger
Varighed:	72 timer
Test:	EC50
Resultat:	>0.1-1 mg/L

På grundlag af de foreliggende data anses kriterierne for klassificering ikke for at være opfyldt.

12.2. Persistens og nedbrydelighed

Produkt/Substans	Alcohol, C13, bran., EO, sulfat Na~
Resultat:	> 60 %
Konklusion:	Let bionedbrydeligt
Test:	OECD 301 B

Produkt/Substans	hydrogenperoxidopløsning 35%; brintoverilte 35%
Konklusion:	Let bionedbrydeligt

Produkt/Substans	1,2-benzisothiazol-3(2H)-on; 1,2-benzisothiazolin-3-on
Resultat:	90%
Konklusion:	Let bionedbrydeligt
Test:	OECD 302

Præparatets tensid(er) opfylder kriterierne for biologisk nedbrydelighed i henhold til Regulering (EF) nr. 648/2004 om vaske- og rengøringsmidler. Data til bekræftelse af dette er til disposition for medlemsstaternes kompetente myndigheder og vil kunne stilles til rådighed på direkte forespørgsel herfra eller på forespørgsel fra fabrikanten af vaske- og rengøringsmidler.

12.3. Bioakkumuleringspotentiale

Produkt/Substans	hydrogenperoxidopløsning 35%; brintoverilte 35%
LogKow:	-1,57
Konklusion:	-

Produkt/Substans	1,2-benzisothiazol-3(2H)-on; 1,2-benzisothiazolin-3-on

I overensstemmelse med Forordning (EF) nr. 1907/2006 (REACH), bilag II, med senere tilpasning i henhold til Forordning (EU) nr. 2020/878

BCF: 2
LogKow: 1.45
Konklusion: Lavt potentiale for bioakkumulering

12.4. Mobilitet i jord

Ingen data tilgængelige.

12.5. Resultater af PBT- og vPvB-vurdering

Blandingen/produktet indeholder ingen stoffer, som opfylder kriterierne for at skulle klassificeres som et PBT- og/eller vPvB-stof.

12.6. Hormonforstyrrende egenskaber

Blandingen/produktet indeholder ingen stoffer, som er vurderet til at have hormonforstyrrende egenskaber i forhold til miljøet.

12.7. Andre negative virkninger

Ingen kendte.

PUNKT 13: BORTSKAFFELSE

13.1. Metoder til affaldsbehandling

Produktet er omfattet af reglerne om farligt affald. (*)
HP 4 - Irriterende (hudirritation og øjenskader)
Kommissionens Forordning (EU) nr. 1357/2014 af 18. december 2014 om affald.

EAK-kode:

20 01 30 Detergenter, bortset fra affald henhørende under 20 01 29

Affaldsgruppe:

Gr. Z Affald, som ikke kan placeres i øvrige grupper

Særlig mærkning

Ikke relevant.

Forurenet emballage

Emballager, med restindhold af produktet, bortskaffes efter samme betingelser som produktet.

PUNKT 14: TRANSPORTOPLYSNINGER

	14.1 UN	14.2 UN-forsendelsesbetegnelse	14.3 Transportfareklasse(r)	14.4 PG*	14.5. Env**	Andre oplysninger:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Emballagegruppe

** Miljøfarer

Anden information

Ikke farligt gods i henhold til ADR, IATA og IMDG.

14.6. Særlige forsigtighedsregler for brugeren

Ikke relevant.

14.7. Bulktransport til søs i henhold til IMO-instrumenter

Ingen data tilgængelige.

PUNKT 15: OPLYSNINGER OM REGULERING

15.1. Særlige bestemmelser/særlig lovgivning for stoffet eller blandingen med hensyn til sikkerhed, sundhed og miljø

Anvendelsesbegrænsninger:

Udelukkende til erhvervsmæssig brug.

Krav om særlig uddannelse:

Ingen særlige krav.

SEVESO - Farekategorier / Navngivne farlige stoffer:

Ikke relevant.

Forordning om udgangsstoffer til eksplosivstoffer:

hydrogenperoxidopløsning 35%; brintoverilte 35% (Bilag I)

Indholdsmærkning jævnfør detergentforordning (EF) nr. 648/2004:

>5% - <15%

· Nonioniske overfladeaktive stoffer

< 5%

· Anioniske overfladeaktive stoffer

· Iltbaserede Blegemidler

· Parfume

· Konserveringsmiddel (BENZISOTHIAZOLINONE)

Andet:

Præparatets tensid(er) opfylder kriterierne for biologisk nedbrydelighed i henhold til Regulering (EF) nr. 648/2004 om vaske- og rengøringsmidler. Data til bekræftelse af dette er til disposition for medlemsstaternes kompetente myndigheder og vil kunne stilles til rådighed på direkte forespørgsel herfra eller på forespørgsel fra fabrikanten af vaske- og rengøringsmidler.

Kilder:

Europa-Parlamentets og Rådets forordning nr. 648/2004 af 31. marts 2004 om vaske- og rengøringsmidler.

Kommissionens Forordning (EU) nr. 1357/2014 af 18. december 2014 om affald.

Rådets forordning (EU) 2019/1148 om udgangsstoffer til eksplosivstoffer.

Europa-Parlamentets og Rådets forordning (EF) nr. 1272/2008 af 16. december 2008 om klassificering, mærkning og emballering af stoffer og blandinger (CLP).

Europa-Parlamentets og Rådets forordning (EF) nr. 1907/2006 af 18. december 2006 om registrering, vurdering og godkendelse af samt begrænsninger for kemikalier (REACH).

15.2. Kemikaliesikkerhedsvurdering

Nej

PUNKT 16: ANDRE OPLYSNINGER

Den fulde ordlyd af H-sætninger omtalt i punkt 3

H271, Kan forårsage brand eller eksplosion, stærkt brandnærende.

H302, Farlig ved indtagelse.

H314, Forårsager svære ætsninger af huden og øjenskader.

H315, Forårsager hudirritation.

H318, Forårsager alvorlig øjenskade.

H319, Forårsager alvorlig øjenirritation.

H332, Farlig ved indånding.

H335, Kan forårsage irritation af luftvejene.

H336, Kan forårsage sløvhed eller svimmelhed.

H412, Skadelig for vandlevende organismer, med langvarige virkninger.

Forkortelser og initialord

ADN = Europæiske Bestemmelser vedrørende International Transport af Farligt Gods ad Indre Vandveje

ADR = Europæisk Konvention om International Transport af Farligt Gods ad Vej

ATE = Vurdering af Akut Toksicitet

BCF = Biokoncentrationsfaktor

CAS = Chemical Abstracts Service

CE = Conformité Européenne (den europæiske konformitetskomite)

CLP = Lovgivning om Klassificering, Mærkning og Emballering af stoffer og blandinger [Europaparlamentets og Rådets Forordning (EF) Nr. 1272/2008]
CSA = Kemikaliesikkerhedsvurderinger
CSR = Kemikaliesikkerhedsrapport
DNEL = Derived-No-Effect-Level
EINECS = Europæisk Fortegnelse over Eksisterende Markedsførte Kemiske Stoffer
ES = Eksponeringsscenario
EUH sætning = CLP-specificeret faresætning
EuPCS = Det europæiske produktkategoriseringssystem
EWC = Europæisk Affaldskatalog
FN = Forenede Nationer
GHS = Globalt harmoniseret system til klassificering og mærkning af kemikalier
GWP = Potentiale for global opvarmning
IARC = Internationale agentur for kræftforskning
IATA = International Air Transport Association
IMDG = Den Internationale Kode for Søtransport af Farligt Gods
LogPow = Logaritme af oktanol/vand-fordelingskoefficienten
MARPOL = Den Internationale Konvention om Forebyggelse af Forurening Fra Skibe, 1973 som modificeret ved Protokollen af 1978.
OECD = Organisationen for Økonomisk Samarbejde og Udvikling
PBT = Persistent, Bioakkumulerende og Toksisk
PNEC = Predicted-No-Effect-Concentration
RID = Lovgivningen om International Transport af Farligt Gods på Bane
RRN = REACH Registreringsnummer
SCL = Specifik koncentrationsgrænse.
STOT-RE = Specifik Målorganstoksicitet — Gentagen Eksponering
STOT-SE = Specifik Målorganstoksicitet — Enkelt Eksponering
SVHC = Substances of Very High Concern
TWA = Tidsvægtet gennemsnit
VOC = Flygtige Organiske Bestanddele
vPvB = Meget Persistent og Meget Bioakkumulerende

Anden information

Ikke relevant.

Sikkerhedsdatabladet er valideret af

Quality & Compliance

Andet

Ændringer i forhold til sidste væsentlige revision (første ciffer i SDS Version, se punkt 1) af dette sikkerhedsdatablad er markeret med en blå trekant.

Oplysningerne i dette sikkerhedsdatablad gælder kun produktet nævnt i punkt 1 og er ikke nødvendigvis gældende ved brug sammen med andre produkter.

Det anbefales at udlevere dette sikkerhedsdatablad til den faktiske bruger af produktet. Den nævnte information kan ikke bruges som produktspecifikation.

Land-sprog: DK-da

OHUTUSKAART

i.1 all-purpose cleaner FlexDose

1. JAGU. AINE/SEGU NING ÄRIÜHINGU/ETTEVÕTJA IDENTIFITSEERIMINE

1.1. Tootetähis

▼ *Nimetus:*

i.1 all-purpose cleaner FlexDose

1.2. Aine või segu asjaomased kindlaksmääratud kasutusalaad ning kasutusalaad, mida ei soovitata

Kemikaali või segu asjakohased määratud kasutuseesmärgid:

Detergendid ja puhastusvahendid (sh lahustipõhised)

Üksnes kutsealaseks kasutamiseks.

Kasutusalaad, mida ei soovitata:

Keegi pole tuttav.

1.3. Andmed ohutuskaardi tarnija kohta

Ettevõtte ja aadress:

Hygeniq B.V.

Postbus 618

7500 AP Enschede

The Netherlands

+31 53 4282860

+31 53 5393865

www.hygeniq.com

E-mail:

info@hygeniq.com

Muudetud:

27.06.2025

Ohutuskaardi versioon::

2.0

Eelmise väljaande kuupäev:

02.06.2025 (1.0)

1.4. Hädaabitelefon number

Häirekeskus: 112

Mürgistuskeskuse infotelefon 16662 Eesti piires töötab 24/7 ja on kõigile helistajatele tasuta. ja (+372) 7943 794 välismaalt helistamiseks.

Kaitsemeetmeid vt jaotisest „Esmabimeetmed“.

2. JAGU. OHTUDE IDENTIFITSEERIMINE

2.1. Aine või segu klassifitseerimine

Klassifitseerimata vastavalt EÜ määrusele nr 1272/2008 (CLP).

2.2. Märjastuselemendid

Ohupiktogrammidest:

Ei kohaldu.

Tunnussõna:

Ei kohaldu.

Ohulause:

Ei kohaldu.

Hoiatuslaused:

Üldised:

-

Ohtu ennetavad:

-

Reageerimise kohta:

-

Säilitamise kohta:

-

Kõrvaldamise kohta:

-

Sisaldab:

Ei sisalda teavitamiskohustusega koostisaineid

Muu märgistus:

EUH210, Ohutuskaart nõudmisel kättesaadav.

Koostise märgistamine vastavalt detergentide määrusele 648/2004 (kehtib üldsusele müüdavate pesuvahendite pakendite kohta):

>5% - <15%

· Mitteioonsed pindaktiivsed ained

< 5%

· Anioonsed pindaktiivsed ained

· Hapnikupõhised pleegitusained

· Lõhnaained

· Säilitusainena (BENZISOTHIAZOLINONE)

2.3. Muud ohud

Muu:

See segu/toode ei sisalda aineid, mis vastavad kategooriasse PBT ja/või vPvB liigitamiseks nõutavatele tingimustele.

See toode ei sisalda aineid, mida käsitatakse vastavalt komisjoni delegeeritud määruses (EL) 2017/2100 või komisjoni määruses (EL) 2023/707 sätestatud kriteeriumidele endokriinseid häireid põhjustavate ainetena.

3. JAGU. KOOSTIS/TEAVE KOOSTISAINETE KOHTA

3.1. Ained

Ei rakendu. See toode on kokku segatud.

3.2. Segud

Toode/koostisosa	Identifitseerijad	% w/w	Klassifikatsioon	Märksed
Alcohol, C13, bran., EO, sulfate Na~	CASi nr: 150413-26-6 EÜ nr: 688-316-0 REACH: Indeksir:	1-3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 3, H412	
Vesinikperoksiidi lahus 35%	CASi nr: 7722-84-1 EÜ nr: 231-765-0 REACH: 01-2119485845-22-XXXX Indeksir: 008-003-00-9	1-3%	Ox. Liq. 1, H271 Acute Tox. 4, H302 Skin Corr. 1A, H314 (SCL: 70,00 %) Skin Corr. 1B, H314 (SCL: 50,00 %) Skin Irrit. 2, H315 (SCL: 35,00 %)	

			Eye Dam. 1, H318 (SCL: 8,00 %) Eye Irrit. 2, H319 (SCL: 5,00 %) Acute Tox. 4, H332 STOT SE 3, H336 (SCL: 35,00 %)	
citroenzuurmonohydraat	CASi nr: 5949-29-1 EÜ nr: 611-842-9 REACH: 01-2119457026-42-XXXX Indeksir:	<0.1%	Eye Irrit. 2, H319	
Disodium tin hexahydroxide	CASi nr: 12027-70-2 EÜ nr: 234-724-5 REACH: 01-2120770924-45-XXXX Indeksir:	<0.05%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	[1]

H-lauset täielikku teksti vaadake jaotisest 16. Kokkupuute piirväärtused on loetletud jaotisest 8, kui need on kättesaadavad.

Muu info

[1] Euroopa töökeskkonna ohtlike ainete piirnorm.

4. JAGU. ESMAABIMEETMED

4.1. Esmaabimeetmete kirjeldus

Üldinfo:

Õnnetuse korral pöörduda arsti või erakorralise meditsiini osakonna pooleni - näidata toote etiketti või kemikaali ohutuskarti. Selline lause lähtetekstis puudub.

Pöörduda arsti poole, kui kannatanu seisukorra osas on kahtlusi või kui sümptomid püsivad. Mitte kunagi ei tohi anda teadvuse taastamiseks inimesele vett või muud vedelikku.

Sissehingamisel:

Hingamisraskuste või hingamisteede ärrituse korral: Viia kannatanu värske õhu kätte ja jääda tema juurde.

Kokkupuutel nahaga:

Ärrituse korral loputage veega. Kui ärritus püsib, pöörduge arsti poole.

Silma sattumisel:

SILMA SATTUMISE KORRAL: Loputada veega (20-30 °C) vähemalt 5 minuti jooksul ja pöörduda arsti poole. Võtta ära kontaktläätsed.

Allaneelamisel:

Kui inimene on teadvusel, loputage suud veega ja olge inimese juures. Teadvuse kaotamisel: pöörduda kohe arsti poole ja võtta kaasa käesolev kemikaali ohutuskart või toote etikett. Mitte kutsuda esile oksendamist, välja arvatud juhul, kui seda soovib arst. Asetada kannatanu pea asendisse, mis väldib maosisu tagasivalgumist suhu ja kurku.

Põletus:

Ei kohaldu.

4.2. Olulisemad akuutsed ja hilisemad sümptomid ning mõju

Keegi pole tuttav.

4.3. Märged igasuguse vältimatu meditsiiniabi ja eriravi vajalikkuse kohta

Ravida sümptomaatiliselt.

Info meditsiinitöötajatele

Võtta kaasa käesolev ohutuskart või kemikaali etikett.

5. JAGU. TULEKUSTUTUSMEETMED

5.1. Tulekustutusvahendid

Ei kohaldu.

5.2. Aine või seguga seotud erilised ohud

Tulekahju korral tekib tihe suits. Pikemaajaline kokkupuude laguproduktidega võib ohustada tervist. Tulekahju mõjualas olevaid suletud mahuteid tuleb jahutada veega. Tule kustutamiseks kasutatud vett ei tohi lasta kanalisatsiooni ega ümbruse pinnavette.

Kui toodet mõjutab kõrge temperatuur, näiteks tulekahju puhul, moodustuvad ohtlikud lagusaadused. Need on: süsinikoksiidid (CO/CO₂)

5.3. Nõuanded tuletõrjajatele

Erinõuded puuduvad.

6. JAGU. MEETMED JUHUSLIKU SATTUMISE KORRAL KESKKONDA

6.1. Isikukaitsemeetmed, kaitsevahendid ja toimimine hädaolukorras

Tagage piisav ventilatsioon, eriti suletud kohtades.

Saastunud alad võivad olla libedad.

6.2. Keskkonnakaitse meetmed

Vältige järvedesse, vooluveekogudesse ja kanalisatsiooni pääsemist.

Hoidke volitamata isikud leketest eemal

6.3. Tõkestamis- ning puhastamise meetodid ja -vahendid

Sulgege ja koguge mahasattunud aine mittersüttiva, absorbeeriva materjaliga, nt liiv, muld, vermikuliit või kobediatomiit, ja pange utiliseerimismahutisse vastavalt kohalikele määrustele.

Võimalusel puhastada tavapäraste puhastusvahenditega. Vältida lahusteid.

6.4. Viited muudele jagudele

Jäätmekäitlust vt jaotisest 13 „Jäätmekäitlus“.

Kaitsemeetmeid vt jaotisest 8 „Kokkupuute ohjamine / isikukaitse“.

7. JAGU. KÄITLEMINE JA LADUSTAMINE

7.1. Ohutu käitlemise tagamiseks vajalikud ettevaatusabinõud

Suitsetamine, söömine, joomine ja tubaka, toiduainete ja jookide hoidmine ruumis on keelatud.

Infot isikukaitsevahendite kohta vt jaotisest „Kokkupuute ohjamine / isikukaitse“.

7.2. Ohutu ladustamise tingimused, sealhulgas sobimatud ladustamistingimused

Avatud mahutid tuleb hoolikalt uuesti sulgeda ja neid lekete vältimiseks püstises asendis hoida.

Pakendi sobivusega seotud nõuded:

Hoida üksnes originaalpakendis.

Säilitustingimused:

Kuiv, jahe, hea ventilatsiooniga

Kokkusobimatud materjalid:

Tugevad happed, tugevad alused, tugevalt oksüdeerivad ained ja tugevalt redutseerivad ained.

7.3. Eriksutus

Seda toodet tohib kasutada ainult jaotises 1.2 kirjeldatud eesmärkidel.

8. JAGU. KOKKUPUUTE OHJAMINE/ISIKUKAITSE

8.1. Kontrolliparameetrid

Vesinikperoksiidi lahus 35%

Piirnorm (8-tunnise) (mg/m³): 1,4

Piirnorm (8-tunnise) (ppm): 1
 Lühiajaline kokkupuute piirmäär (15-minutilise) (ppm): 2 (P5)
 Lühiajaline kokkupuute piirmäär (15-minutilise) (mg/m³): 3 (P5)
 Märkused:
 P5 = Lühiajalise kokkupuute piirnorm, arvutatud 5-minutisele kokkupuuteajale

Vabariigi Valitsuse 20. märtsi 2001. a määrus nr 105 „Töökeskkonna keemiliste ohutegurite piirnormid“.

DNEL

1,2-bensisotiasool-3(2H)-oon; 1,2-bensisotiasoliin-3-oon; 1,2-bensisotiasool-3-oon

Periood:	Suund:	DNEL:
Pikaajaline – süsteemne toime – töötajad	Nahakaudne	966 µg/kg/päeva
Pikaajaline – süsteemne toime – üldine rahvastik	Nahakaudne	0.345 mg/kg
Pikaajaline – süsteemne toime – töötajad	Sissehingamine	6.81 mg/m ³
Pikaajaline – süsteemne toime – üldine rahvastik	Sissehingamine	1.2 mg/m ³

Disodium tin hexahydroxide

Periood:	Suund:	DNEL:
Pikaajaline – süsteemne toime – töötajad	Nahakaudne	3.37 mg/kg/päeva
Pikaajaline – süsteemne toime – üldine rahvastik	Nahakaudne	1.21 mg/kg/päeva
Pikaajaline – süsteemne toime – töötajad	Sissehingamine	11.9 mg/m ³
Pikaajaline – süsteemne toime – üldine rahvastik	Sissehingamine	1.78 mg/m ³
Pikaajaline – süsteemne toime – üldine rahvastik	Suukaudne	1.21 mg/kg/päeva

Vesinikperoksiidi lahus 35%

Periood:	Suund:	DNEL:
Lühiajaline – kohalik toime – töötajad	Sissehingamine	3 mg/m ³
Lühiajaline – kohalik toime – üldine rahvastik	Sissehingamine	1.93 mg/m ³
Pikaajaline – kohalik toime – töötajad	Sissehingamine	1.4 mg/m ³
Pikaajaline – kohalik toime – üldine rahvastik	Sissehingamine	0.21 mg/m ³
Pikaajaline – kohalik toime – üldine rahvastik	Sissehingamine	210 µg/m ³

PNEC

1,2-bensisotiasool-3(2H)-oon; 1,2-bensisotiasoliin-3-oon; 1,2-bensisotiasool-3-oon

Suund:	Kokkupuute aeg:	PNEC:
Magevee setted		49.9 µg/kg
Magevesi		4.03 µg/L
Merevee setted		4.99 µg/kg
Merevesi		403 ng/L
Pinnas		3 mg/kg
Reoveepuhasti		1.03 mg/L
Vahelduv vabastamine (magevesi)		1.1 µg/L
Vahelduv vabastamine (merevesi)		110 ng/L

Disodium tin hexahydroxide

Suund:	Kokkupuute aeg:	PNEC:
Magevee setted		1.395 mg/kg
Magevesi		33.1 µg/L
Merevee setted		139.46 µg/kg

Merevesi		3.31 µg/L
Reoveepuhasti		10 mg/L
Vahelduv vabastamine (magevesi)		331 µg/L
Vahelduv vabastamine (merevesi)		33.1 µg/L

Vesinikperoksiidi lahus 35%

Suund:	Kokkupuute aeg:	PNEC:
Magevee setted		0,047 mg/kg
Magevee setted		47 µg/kg
Magevesi		0,0126 mg/L
Magevesi		12.6 µg/L
Merevee setted		0,047 mg/L
Merevee setted		47 µg/kg
Merevesi		0,047 mg/L
Merevesi		12.6 µg/L
Pinnas		0,023 mg/kg
Pinnas		2.3 µg/kg
Reoveepuhasti		4.66 mg/L
Reoveepuhasti		4.66 mg/L
Vahelduv vabastamine (magevesi)		13.8 µg/L

8.2. Kokkupuute ohjamine

Regulaarselt tuleb kontrollida vastavust kutsealase kokkupuute piirväärtustele.

Üldised soovitused:

Suitsetamine, söömine, joomine ja tubaka, toiduainete ja jookide hoidmine ruumis on keelatud.

Kokkupuute stsenaariumid:

Selle toote jaoks ei ole koostatud kokkupuute stsenaariume.

Kokkupuute piirväärtused:

Professionaalsetel kasutajatel tuleb järgida töökeskkonda puudutavaid eeskirju kutsealase kokkupuute maksimaalsete piirväärtuste kohta. Töötervishoiu piirväärtusi vaadata eelnevast tekstist.

Insenertehnilised meetmed:

Aurude moodustumine peab olema minimaalne ja allpool praeguseid piirväärtusi (vt eespool). Kui tavaline õhuvool tööruumis ei ole piisav, on soovitatav paigaldada kohalik väljalaskesüsteem. Veenduge, et hädaolukorra silmapesu kohad ja -dušid oleksid selgelt märgistatud.

Rakendage toote kasutamise ajal standardseid ettevaatusabinõusid. Vältige aurude sissehingamist.

Hügieenimeetmed:

Toote kasutamise vaheaegadel ja töö lõppedes tuleb kõiki tootega kokku puutunud kehaosi põhjalikult pesta.

Pöörake erilist tähelepanu kätele, käsivartele ja näole.

Kokkupuute ohjamine keskkonnas:

Erinõuded puuduvad.

Isiklikud kaitsemeetmed, nagu isikukaitsevahendid

Üldteave:

Kasutada ainult CE-märgistusega kaitsevahendeid.

Hingamisteede kaitse:

Tüüp	Klass	Värvus	Standardid	
Eesmärgipärasel kasutamisel eritingimused puuduvad.				

Naha kaitse:

Soovitav	Tüüp/Kategooria	Standardid	
Eesmärgipärasel kasutamisel eritingimused puuduvad	-	-	

Käte kaitse:

Töölukord	Materjal	Minimaalne kihi paksus (mm)	Läbimisaeg (min.)	Standardid	
	Eesmärgipärasel kasutamisel eritingimused puuduvad	-	-	-	
Pikaajalise kokkupuute või kõrgete kontsentratsioonide korral	Puuvillast / Looduslik kummi (lateks)	-	> 120	EN374-2, EN16523-1, EN388	

Silmade kaitse:

Töölukord	Tüüp	Standardid	
	Eesmärgipärasel kasutamisel eritingimused puuduvad.	-	
Pikaajalise kokkupuute või kõrgete kontsentratsioonide korral	Kasutage külgkaitsmetega kaitseprille.	EN166	

9. JAGU. FÜÜSIKALISED JA KEEMILISED OMADUSED

9.1. Teave üldiste füüsikaliste ja keemiliste omaduste kohta

Olek:

Vedelik

Värvus:

Värvitu

Lõhn/lõhnalävi (ppm):

Parfüümi

pH:

ca. 4.8

Tihedus (g/cm³):

1,02 (20 °C)

Kinemaatiline viskoossus:

Andmed puuduvad.

Osakeste omadused:

Ei kohaldata vedelike suhtes.

Oleku muutused

Sulamis-/külumispunkt (°C):

Andmed puuduvad.

Pehmenemispunkti/pehmenemistemperatuuri vahemiku (°C):

Ei kohaldata vedelike suhtes.

Keemispunkt (°C):

Andmed puuduvad.

Aururõhk:

Andmed puuduvad.

Auru suhteline tihedus :

Andmed puuduvad.

Lagunemistemperatuur (°C):

Andmed puuduvad.

Teave tule- ja plahvatusohu kohta

Leekpunkt (°C):

Andmed puuduvad.

Süttivus (°C):

Andmed puuduvad.

Isesüttimistemperatuur (°C):

Andmed puuduvad.

Plahvatuspiir (% v/v):

Andmed puuduvad.

Lahustuvus

Lahustuvus vees:

Täiesti lahustuv

Jaotustegur n-oktaanool/vesi (LogKow):

Andmed puuduvad.

Lahustuvus rasvas (g/L):

Andmed puuduvad.

9.2. Muu teave

Muud füüsikalised ja keemilised parameetrid:

Andmed puuduvad.

Oksüdeerivad omadused:

Andmed puuduvad.

10. JAGU. PÜSIVUS JA REAKTSIOONIVÕIME

10.1. Reaktsioonivõime

Andmed puuduvad.

10.2. Keemiline stabiilsus

Toode on stabiilne tingimustes, mida on kirjeldatud jaotises 7 „Käitlemine ja ladustamine“.

10.3. Ohtlike reaktsioonide võimalikkus

Keegi pole tuttav.

10.4. Tingimused, mida tuleb vältida

Keegi pole tuttav.

10.5. Kokkusobimatud materjalid

Tugevad happed, tugevad alused, tugevalt oksüdeerivad ained ja tugevalt redutseerivad ained.

10.6. Ohtlikud lagusaadused

Tavapärastes hoiustamise ja kasutamise tingimustes ei tohiks ohtlikke lagunemissaadusi tekkida.

11. JAGU. TEAVE TOKSILISUSE KOHTA

11.1. Teave ohuklasside kohta, nagu see on määratletud määruses (EÜ) nr 1272/2008

Akuutne mürgisus

Toode/koostisosa	Vesinikperoksiidi lahus 35%
Art:	Rott
Suund:	Suukaudne
Katse:	LD50

Tulemus: 1.193 - 1.270 mg/L

Toode/koostisosa Vesinikperoksiidi lahus 35%
Art: Küülik
Suund: Nahakaudne
Katse: LD50
Tulemus: >2.000 (35% oplossing) mg/kg

Toode/koostisosa 1,2-bensisotiasool-3(2H)-oon; 1,2-bensisotiasoliin-3-oon;1,2-bensisotiasool-3-oon
Art: Rott
Suund: Suukaudne
Katse: LD50
Tulemus: 500 mg/kg

Kättesaadavate andmete põhjal ei ole klassifitseerimiskriteeriumid täidetud.

Nahka söövitav/ärritav

Toode/koostisosa Vesinikperoksiidi lahus 35%
Tulemus: Tähteldati kahjulikke toimeid (Ärritav)

Toode/koostisosa 1,2-bensisotiasool-3(2H)-oon; 1,2-bensisotiasoliin-3-oon;1,2-bensisotiasool-3-oon
Katsemeetod: OECD 404
Tulemus: Tähteldati kahjulikke toimeid (Ärritav)

Kättesaadavate andmete põhjal ei ole klassifitseerimiskriteeriumid täidetud.

Rasket silmade kahjustust/ärritust põhjustav

Toode/koostisosa Vesinikperoksiidi lahus 35%
Tulemus: Tähteldati kahjulikke toimeid (Põhjustab raskeid silmakahjustusi)

Toode/koostisosa 1,2-bensisotiasool-3(2H)-oon; 1,2-bensisotiasoliin-3-oon;1,2-bensisotiasool-3-oon
Katsemeetod: OECD 405
Tulemus: Tähteldati kahjulikke toimeid (Põhjustab raskeid silmakahjustusi)

Kättesaadavate andmete põhjal ei ole klassifitseerimiskriteeriumid täidetud.

Hingamiselundite sensibiliseerimine

Toode/koostisosa Vesinikperoksiidi lahus 35%
Tulemus: Kahjulikke toimeid ei täheldatud (mitte sensibiliseeriv)

Kättesaadavate andmete põhjal ei ole klassifitseerimiskriteeriumid täidetud.

Naha sensibiliseerimine

Toode/koostisosa 1,2-bensisotiasool-3(2H)-oon; 1,2-bensisotiasoliin-3-oon;1,2-bensisotiasool-3-oon
Katsemeetod: OECD 429
Art: Hiir
Tulemus: Tähteldati kahjulikke toimeid (sensibiliseeriv)

Toode/koostisosa 1,2-bensisotiasool-3(2H)-oon; 1,2-bensisotiasoliin-3-oon;1,2-bensisotiasool-3-oon
Katsemeetod: OECD 406
Art: Merisiga
Tulemus: Tähteldati kahjulikke toimeid (sensibiliseeriv)

Kättesaadavate andmete põhjal ei ole klassifitseerimiskriteeriumid täidetud.

Mutageensus sugurakkudele

Kättesaadavate andmete põhjal ei ole klassifitseerimiskriteeriumid täidetud.

Kantserogeensus

Toode/koostisosa Vesinikperoksiidi lahus 35%
Järeldus: Kahjulikke toimeid ei täheldatud

Kättesaadavate andmete põhjal ei ole klassifitseerimiskriteeriumid täidetud.

Reproduktiivtoksilisus

Toode/koostisosa Vesinikperoksiidi lahus 35%
Järeldus: Kahjulikke toimeid ei täheldatud

Kättesaadavate andmete põhjal ei ole klassifitseerimiskriteeriumid täidetud.

Sihtorgani suhtes toksilised: ühekordne kokkupuude

Kättesaadavate andmete põhjal ei ole klassifitseerimiskriteeriumid täidetud.

Sihtorgani suhtes toksilised: korduv kokkupuude

Kättesaadavate andmete põhjal ei ole klassifitseerimiskriteeriumid täidetud.

Hingamiskahjustus

Toode/koostisosa Vesinikperoksiidi lahus 35%

Kättesaadavate andmete põhjal ei ole klassifitseerimiskriteeriumid täidetud.

11.2. Teave muude ohtude kohta

Pikaajaline toime

Keegi pole tuttav.

Endokriinseid häireid põhjustavad omadused

See segu/toode ei sisalda aineid, millel oleks hormonaalseid häireid põhjustavaid mõjusid tervisele.

Muu teave

Vesinikperoksiidi lahus 35%: Aine on IARC poolt klassifitseeritud gruppi 3.

12. JAGU. ÖKOLOOGILINE TEAVE

12.1. Toksilisus

Toode/koostisosa	Vesinikperoksiidi lahus 35%
Art:	Kala, Pimephales promelas
Periood:	96 tunni
Katse:	LC50
Tulemus:	16,4 mg/L

Toode/koostisosa	Vesinikperoksiidi lahus 35%
Art:	Kala, Leuciscus idus
Periood:	72 tunni
Katse:	LC50
Tulemus:	35 mg/L

Toode/koostisosa	Vesinikperoksiidi lahus 35%
Art:	Kala, Oncorhynchus mykiss
Periood:	7 päeva
Katse:	LC50
Tulemus:	38,5 mg/L

Toode/koostisosa	Vesinikperoksiidi lahus 35%
Art:	Daphnia pulex
Periood:	48 tunni
Katse:	EC50
Tulemus:	2,4 mg/L

Toode/koostisosa	Vesinikperoksiidi lahus 35%
Art:	Daphnia magna
Periood:	24 tunni
Katse:	EC50
Tulemus:	7,7 mg/L

Toode/koostisosa	Vesinikperoksiidi lahus 35%
Art:	Skeletonema costatum
Periood:	72 tunni
Katse:	EC50
Tulemus:	1,38 mg/L

Toode/koostisosa	Vesinikperoksiidi lahus 35%
Katsemeetod:	OECD 209

Art: Bakterid
Keskonnaosa: Aktiivmudapuhasti
Periood: 30 minutes
Katse: EC50
Tulemus: 466 mg/L

Toode/koostisosa: Vesinikperoksiidi lahus 35%
Katsemeetod: OECD 209
Art: Bakterid
Keskonnaosa: Aktiivmudapuhasti
Periood: 3 tunni
Katse: EC50
Tulemus: > 1.000 mg/L

Toode/koostisosa: 1,2-bensisotiasool-3(2H)-oon; 1,2-bensisotiasoliin-3-oon; 1,2-bensisotiasool-3-oon
Art: Kala
Periood: 96 tunni
Katse: LC50
Tulemus: >0.1-1 mg/L

Toode/koostisosa: 1,2-bensisotiasool-3(2H)-oon; 1,2-bensisotiasoliin-3-oon; 1,2-bensisotiasool-3-oon
Art: Koorikloom
Periood: 48 tunni
Katse: EC50
Tulemus: >0.1-1 mg/L

Toode/koostisosa: 1,2-bensisotiasool-3(2H)-oon; 1,2-bensisotiasoliin-3-oon; 1,2-bensisotiasool-3-oon
Art: Vetikad
Periood: 72 tunni
Katse: EC50
Tulemus: >0.1-1 mg/L

Kättesaadavate andmete põhjal ei ole klassifitseerimiskriteeriumid täidetud.

12.2. Püsivus ja lagunduvus

Toode/koostisosa: Alcohol, C13, bran., EO, sulfate Na~
Tulemus: > 60 %
Järeldus: Kergesti biolagundatav
Katse: OECD 301 B

Toode/koostisosa: Vesinikperoksiidi lahus 35%
Järeldus: Kergesti biolagundatav

Toode/koostisosa: 1,2-bensisotiasool-3(2H)-oon; 1,2-bensisotiasoliin-3-oon; 1,2-bensisotiasool-3-oon
Tulemus: 90%
Järeldus: Kergesti biolagundatav
Katse: OECD 302

Nimetatud valmistis(t)es sisalduvate pindaktiivsete ainete biolagundatavus vastab biolagundatavuse kriteeriumidele, mis on detergentidele sätestatud EÜ määruses nr 648/2004. Seda kinnitust toetavad andmed on liikmesriikide pädevate asutuste valduses ning antakse liikmesriikidele nende vahetu taotluse alusel või detergentide tootja taotluse alusel.

12.3. Bioakumulatsioon

Toode/koostisosa: Vesinikperoksiidi lahus 35%
LogKow: -1,57
Järeldus: -

Toode/koostisosa: 1,2-bensisotiasool-3(2H)-oon; 1,2-bensisotiasoliin-3-oon; 1,2-bensisotiasool-3-oon
BCF: 2
LogKow: 1.45
Järeldus: Bioakumulatsiooni tõenäosus on madal

12.4. Liikuvus pinnases

Andmed puuduvad.

12.5. Püsivate, bioakumuleeruvate ja toksiliste ning väga püsivate ja väga bioakumuleeruvate omaduste hindamine

See segu/toode ei sisalda aineid, mis vastavad kategooriasse PBT ja/või vPvB liigitamiseks nõutavatele tingimustele.

12.6. Endokriinseid häireid põhjustavad omadused

See toode/segu ei sisalda aineid, millel oleks endokriinseid häireid põhjustavaid mõjusid keskkonnale.

12.7. Muud kahjulikud mõjud

Keegi pole tuttav.

13. JAGU. JÄÄTMEKÄITLUS

13.1. Jäätmetöötlusmeetodid

Toodet tuleb käidelda kui ohtlikke jäätmeid. (*)

HP 4 - Ärritav (nahka ärritav ja silmi kahjustav)

Komisjoni määrus (EL) nr 1357/2014, 18. detsember 2014, millega asendatakse Euroopa Parlamendi ja Nõukogu direktiivi 2008/98/EÜ (mis käsitleb jäätmeid ja millega tunnistatakse kehtetuks teatud direktiivid) III lisa.

EWC kood:

20 01 30

Pesuained, mida ei ole nimetatud koodinumbriga 20 01 29

Saastunud pakendimaterjal

Saastunud pakendid tuleb hävitada samamoodi nagu toode ise.

14. JAGU. VEONÕUDED

	14.1 ÜRO	14.2 ÜRO veose tunnusnimetus	14.3 Transpordi ohuklass(id)	14.4 PG*	14.5. Env**	Muu info:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Pakendigrupp

** Keskkonnaohud

Muu teave

ADR, IATA ja IMDG seisukohalt mitteohtlikud ained.

14.6. Eriettevaatusabinõud kasutajatele

Ei kohaldu.

14.7. Mahtlasti merevedu kooskõlas Rahvusvahelise Mereorganisatsiooni dokumentidega

Andmed puuduvad.

15. JAGU. REGULEERIVAD ÕIGUSAKTID

15.1. Ainete ja segude suhtes kohaldatavad ohutus-, tervise- ja keskkonnavalased eeskirjad/õigusaktid

Piirangud kasutamisel:

Üksnes kutsealaseks kasutamiseks.

Nõuded eriväljaõppele:

Erinõuded puuduvad.

SEVESO Ohukategooriad / nimetatud ohtlikud ained:

Ei kohaldu.

Määrus lõhkeainete lähteainete koht:

Vesinikperoksiidi lahus 35% (I lisa)

Koostise märgistamine vastavalt detergentide määrusele 648/2004:

>5% - <15%

· Mitteoosned pindaktiivsed ained

< 5%

· Anioosned pindaktiivsed ained

· Hapnikupõhised pleegitusained

· Lõhnaained

· Säilitusainena (BENZISOTHIAZOLINONE)

Muu teave:

Nimetatud valmistis(t)es sisalduvate pindaktiivsete ainete biolagundatavus vastab biolagundatavuse kriteeriumidele, mis on detergentidele sätestatud EÜ määruses nr 648/2004. Seda kinnitust toetavad andmed on liikmesriikide pädevate valduses ning antakse liikmesriikidele nende vahetu taotluse alusel või detergentide tootja taotluse alusel.

Allikas:

Euroopa Parlamendi ja Nõukogu määrus (EÜ) nr 648/2004, 31. märts 2004, detergentide kohta.

Komisjoni määrus (EL) nr 1357/2014, 18. detsember 2014, millega asendatakse Euroopa Parlamendi ja Nõukogu direktiivi 2008/98/EÜ (mis käsitleb jäätmeid ja millega tunnistatakse kehtetuks teatud direktiivid) III lisa.

Nõukogu määrus (EÜ) nr 2019/1148 lõhkeainete lähteainete kohta.

Euroopa Parlamendi ja Nõukogu määrus (EÜ) nr 1272/2008, 16. detsember 2008, mis käsitleb ainete ja segude klassifitseerimist, märgistamist ja pakendamist (CLP).

Euroopa Parlamendi ja nõukogu määrus (EÜ) nr 1907/2006, 18. detsember 2006, mis käsitleb kemikaalide registreerimist, hindamist, autoriseerimist ja piiramist (REACH).

15.2. Kemikaaliohutuse hindamine

Ei

16. JAGU. MUU TEAVE

Jaotises 3 esitatud H-lausetekst

H271, Võib põhjustada süttimise või plahvatuse; tugev oksüdeerija.

H302, Allaneelamisel kahjulik.

H314, Põhjustab rasket nahasöövitust ja silmakahjustusi.

H315, Põhjustab nahaärritust.

H318, Põhjustab raskeid silmakahjustusi.

H319, Põhjustab tugevat silmade ärritust.

H332, Sisesehingamisel kahjulik.

H335, Võib põhjustada hingamisteede ärritust.

H336, Võib põhjustada unisust või peapööritust.

H412, Ohtlik veeorganismidele, pikaajaline toime.

Lühendid ja akronüümid

ADN = Ohtlike veoste rahvusvahelise siseveeteede Euroopa kokkulepe

ADR = Ohtlike veoste rahvusvahelise autoveo Euroopa kokkulepe Ägeda toksilisuse hinnang

BCF = Biokontsentratsiooni faktor

CAS = Chemical Abstracts' teenistus

CE = Conformité Européenne

CLP = Klassifitseerimise, märgistamise ja pakendamise määrus [EÜ määrus nr 1272/2008]

CSA = Kemikaalide ohutuse hindamine

CSR = Kemikaalide ohutusaruanne

DNEL = Tuletatud mittetoimiv tase

EJK = Euroopa jäätmekataloog

EUH-lause = CLP eriohulause

EuPCS = Euroopa toodete kategoriseerimise süsteem

GHS = Kemikaalide klassifitseerimise ja märgistamise globaalne harmoneeritud süsteem

GWP = Globaalse soojenemise potentsiaal

IATA = Rahvusvaheliste Õhuvadude Assotsiatsioon

IBC = hulgikauba vahetkonteiner

IMDG = Rahvusvaheline ohtlike kaupade mereveo koodeks/eeskiri

LogP o/w Oktanool/vesi jaotuskoefitsiendi logaritm

LOÜ = Lenduvad orgaanilised ühendid

MARPOL 73/78 = 1973.a Rahvusvaheline konventsioon merereostuse vältimiseks laevadel muudetud 1978.a protokolliga. ("Marpol" - merereostus)

OECD = Majanduskoostöö ja Arengu Organisatsioon

PBT = Püsivad, bioakumuleeruvad ja mürgised Arvutuslik mittetoimiv sisaldus

RID = Ohtlike veoste rahvusvahelise raudteeveo kokkulepe

SCL = On konkreetse sisalduse piirnormiga.

SVHS = Väga ohtlikud ained

STOT-RE = Mürgistus siseelundi suhtes - korduv kokkupuude

STOT-SE = Mürgistus siseelundi suhtes - ühekordne kokkupuude

TWA = Ajas kaalutud keskmine

UVCB = Tundmatu või muutuva koostisega ained, kompleksed reaktsioonisaadused või bioloogilist päritolu materjalid.

ÜRO = Ühinenud Rahvaste Organisatsioon

vPvB = Väga püsivad ja väga bioakumuleeruvad

Muu teave

Ei kohaldu.

Ohutuskaardi on kinnitanud

Quality & Compliance

Muu

Muudatus (võrreldes viimase olulise muudatusega (kemikaali ohutuskaardi versiooni esimene number, vt jaotist 1) on tähistatud kolmnurgaga.

Sellel kemikaali ohutuskaardil sisalduv info kehtib ainult selle spetsiifilise toote kohta (nimetatud jaotises 1) ja ega pruugi tingimata kehtida teiste kemikaalide või toodete puhul.

Soovitav on anda see kemikaali ohutuskaart üle toote tegelikule kasutajale. Sellel kemikaali ohutuskaardil sisalduvat informatsiooni ei tohi kasutada toote spetsifikatsioonina.

Riik-keel: EE-et

FICHA DE DATOS DE SEGURIDAD

i.1 all-purpose cleaner FlexDose

SECCIÓN 1. IDENTIFICACIÓN DE LA SUSTANCIA O LA MEZCLA Y DE LA SOCIEDAD O LA EMPRESA

1.1. Identificador de producto

▼ *Nombre comercial:*

i.1 all-purpose cleaner FlexDose

1.2. Usos pertinentes identificados de la sustancia o de la mezcla y usos desaconsejados

Usos pertinentes identificados de la sustancia o de la mezcla:

Agentes de lavado y limpieza (incluso a base de disolventes)
Reservado exclusivamente a usuarios profesionales.

Usos desaconsejados :

Ningunos conocidos.

1.3. Datos del proveedor de la ficha de datos de seguridad

Nombre y dirección de la empresa:

Hygeniq B.V.
Postbus 618
7500 AP Enschede
The Netherlands
+31 53 4282860
+31 53 5393865
www.hygeniq.com

Correo electrónico:

info@hygeniq.com

Revisión:

27/6/2025

Versión FDS:

2.0

Fecha de la emisión anterior:

2/6/2025 (1.0)

1.4. Teléfono de emergencia

Servicio de Información Toxicológica

Teléfono: +34 91 562 04 20

Información en español (24h/365 días)

Consulte la sección 4 para obtener información sobre primeros auxilios.

SECCIÓN 2. IDENTIFICACIÓN DE LOS PELIGROS

2.1. Clasificación de la sustancia o de la mezcla

No clasificado de acuerdo con el Reglamento (CE) n° 1272/2008 (CLP).

2.2. Elementos de la etiqueta

Pictogramas de peligro:

No aplicable.

Palabra de advertencia:

No aplicable.

Indicaciones de peligro:

No aplicable.

Consejos de prudencia:

Generalidades:

-

Prevención:

-

Intervención:

-

Almacenamiento:

-

Eliminación:

-

Identificación de las sustancias principalmente responsables de los riesgos graves para la salud:

No contiene sustancias que haga falta notificar

Etiquetado adicional:

EUH210, Puede solicitarse la ficha de datos de seguridad.

Etiquetado del contenido según el Reglamento de Detergentes 648/2004 (aplicable a los envases de detergentes vendidos al público en general):

>5% - <15%

· Tensioactivos no iónicos

< 5%

· Tensioactivos aniónicos

· Blanqueantes oxigenados

· Perfumes

· Conservantes (BENZISOTHAZOLINONE)

2.3. Otros peligros

Advertencias adicionales:

No se considera que esta combinación/producto contenga sustancias que cumplan los criterios de clasificación como PBT y/o mPmB.

Este producto no contiene ninguna sustancia considerada disruptor endocrino de acuerdo con los criterios establecidos en el Reglamento Delegado (UE) 2017/2100 de la Comisión o el Reglamento (UE) 2023/707 de la Comisión.

SECCIÓN 3. COMPOSICIÓN/INFORMACIÓN SOBRE LOS COMPONENTES

3.1. Sustancias

No aplicable. Este producto es una mezcla.

3.2. Mezclas

Producto / ingrediente	Identificadores	% w/w	Clasificación	Notas
Alcohol, C13, bran., EO, sulfato Na~	N° CAS: 150413-26-6 N° CE: 688-316-0 REACH: N° de índice:	1-3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 3, H412	
peróxido de hidrógeno en disolución 35%; agua oxigenada 35%	N° CAS: 7722-84-1 N° CE: 231-765-0 REACH: 01-2119485845-22-XXXX N° de índice: 008-003-00-9	1-3%	Ox. Liq. 1, H271 Acute Tox. 4, H302 Skin Corr. 1A, H314 (SCL: 70,00 %) Skin Corr. 1B, H314 (SCL: 50,00 %) Skin Irrit. 2, H315 (SCL: 35,00 %)	

			Eye Dam. 1, H318 (SCL: 8,00 %) Eye Irrit. 2, H319 (SCL: 5,00 %) Acute Tox. 4, H332 STOT SE 3, H336 (SCL: 35,00 %)	
citroenzuurmonohydraat	N° CAS: 5949-29-1 N° CE: 611-842-9 REACH: 01-2119457026-42-XXXX N° de índice:	<0.1%	Eye Irrit. 2, H319	
Disodium tin hexahydroxide	N° CAS: 12027-70-2 N° CE: 234-724-5 REACH: 01-2120770924-45-XXXX N° de índice:	<0.05%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	[1]

La redacción completa de las frases H se encuentra en la sección 16. Los límites de las condiciones laborales correctas se mencionan en la sección 8, siempre y cuando sean accesibles.

Otra información

[1] Límite europeo de exposición profesional.

SECCIÓN 4. PRIMEROS AUXILIOS

4.1. Descripción de los primeros auxilios

General:

En caso de accidente: Póngase en contacto con el médico o vaya a emergencias. Llévese la etiqueta o esta hoja de datos de seguridad. El médico deberá ponerse en contacto con el Servicio de información Toxicológica, Teléfono: +34 91 562 04 20.

Si los síntomas son permanentes o si tiene alguna duda sobre la situación del accidentado, consulte a un médico. Nunca dé agua ni nada parecido a una persona inconsciente.

Inhalación:

En caso de dificultades respiratorias o irritación del tracto respiratorio: Lleve a la persona a un lugar en el que pueda respirar aire fresco y no la deje sin supervisión.

Contacto con la piel:

En caso de irritación: Aclarar el producto. En caso de irritación persistente: Buscar un médico.

Contacto con los ojos:

En caso de contacto con los ojos: Y enjuague con agua (20-30 °C) durante al menos 5 minutos. Quítense las lentes de contacto. Consulte a un médico.

Ingestión:

Si la persona está consciente, enjuáguele la boca con agua y quédese con ella. Si se encontrara mal, póngase en contacto con el médico y lleve esta hoja de datos de seguridad o la etiqueta del producto. No provoque el vómito a no ser que el médico lo recomiende. Coloque la cabeza hacia abajo de modo que si vomita, no se trague el vómito.

Quemadura:

No aplicable.

4.2. Principales síntomas y efectos, agudos y retardados

Ningunos conocidos.

4.3. Indicación de toda atención médica y de los tratamientos especiales que deban dispensarse inmediatamente

Tratar sintomáticamente.

Explicación para el médico

Lleve esta hoja de datos de seguridad o la etiqueta del material.

SECCIÓN 5. MEDIDAS DE LUCHA CONTRA INCENDIOS

5.1. Medios de extinción

No aplicable.

5.2. Peligros específicos derivados de la sustancia o la mezcla

En caso de incendio se genera un humo denso. La exposición a productos en descomposición puede representar un peligro para la salud. Los contenedores cerrados expuestos al fuego deben enfriarse con agua. No deje que el agua utilizada para apagar el fuego se vierta en la alcantarillado ni cursos de agua.

Si el producto queda expuesto a altas temperaturas, por ejemplo en caso de incendio, pueden generarse productos en descomposición peligrosos. En concreto:

Óxidos de carbono (CO / CO₂)

5.3. Recomendaciones para el personal de lucha contra incendios

No tiene requisitos específicos.

SECCIÓN 6. MEDIDAS EN CASO DE VERTIDO ACCIDENTAL

6.1. Precauciones personales, equipo de protección y procedimientos de emergencia

Asegure una ventilación adecuada, especialmente en áreas confinadas.

Las áreas contaminadas pueden ser resbaladizas.

6.2. Precauciones relativas al medio ambiente

Evite los vertidos en lagos, ríos, alcantarillas y demás.

Mantenga a las personas no autorizadas alejadas del derrame.

6.3. Métodos y material de contención y de limpieza

Contenga y recoja los derrames con material absorbente no combustible, por ejemplo: arena, tierra, vermiculita o tierra de diatomeas y colocar en un recipiente para su eliminación de acuerdo con las normas locales.

Siempre que sea posible, efectúe la limpieza con detergentes. Evite utilizar disolventes.

6.4. Referencia a otras secciones

Consulte la sección 13 "Consideraciones relativas a la eliminación" sobre el manejo de desechos.

Consulte la sección 8 "Controles de exposición/protección individual" para conocer las disposiciones de seguridad.

SECCIÓN 7. MANIPULACIÓN Y ALMACENAMIENTO

7.1. Precauciones para una manipulación segura

No está permitido fumar, comer ni beber en el lugar de trabajo.

Consulte la sección "Controles de exposición/protección individual" para conocer las disposiciones de seguridad personal.

7.2. Condiciones de almacenamiento seguro, incluidas posibles incompatibilidades

Los envases abiertos deben cerrarse perfectamente con cuidado y mantenerse en posición vertical para evitar derrames.

Compatibilidades de embalaje:

Conservar únicamente en el embalaje original.

Condiciones de almacenaje:

Conservar en lugar fresco, seco y bien ventilado

Materiales incompatibles:

Ácidos fuertes, alcalinos fuertes, oxidantes fuertes y agentes reductores fuertes.

7.3. Usos específicos finales

Este producto sólo debe utilizarse para los fines descritos en la sección 1.2.

SECCIÓN 8. CONTROLES DE EXPOSICIÓN/PROTECCIÓN INDIVIDUAL

8.1. Parámetros de control

peróxido de hidrógeno en disolución 35%; agua oxigenada 35%

Valor límite ambiental-exposición diaria (8 horas) (VLA-ED) (ppm): 1

Valor límite ambiental-exposición diaria (8 horas) (VLA-ED) (mg/m³): 1,4

Límites de exposición profesional para agentes químicos en España. 2024

DNEL

1,2-Bencisotiazol-3(2H)-ona; 1,2-bencisotiazolin-3-ona; 1,2-bencisotiazol-3-ona

Duración:	Vía de exposición:	DNEL:
Largo plazo - efectos sistémicos- trabajadores	Dérmico	966 µg/kg/día
Largo plazo -efectos sistémicos- población general	Dérmico	0.345 mg/kg
Largo plazo - efectos sistémicos- trabajadores	Inhalación	6.81 mg/m³
Largo plazo -efectos sistémicos- población general	Inhalación	1.2 mg/m³

Disodium tin hexahydroxide

Duración:	Vía de exposición:	DNEL:
Largo plazo - efectos sistémicos- trabajadores	Dérmico	3.37 mg/kg/día
Largo plazo -efectos sistémicos- población general	Dérmico	1.21 mg/kg/día
Largo plazo - efectos sistémicos- trabajadores	Inhalación	11.9 mg/m³
Largo plazo -efectos sistémicos- población general	Inhalación	1.78 mg/m³
Largo plazo -efectos sistémicos- población general	Oral	1.21 mg/kg/día

peróxido de hidrógeno en disolución 35%; agua oxigenada 35%

Duración:	Vía de exposición:	DNEL:
Corto plazo - efectos locales- Trabajadores	Inhalación	3 mg/m³
Corto plazo- efectos locales - población en	Inhalación	1.93 mg/m³
Largo plazo - efectos locales- trabajadores	Inhalación	1.4 mg/m³
Largo plazo- efectos locales- población en general	Inhalación	0,21 mg/m³
Largo plazo- efectos locales- población en general	Inhalación	210 µg/m³

PNEC

1,2-Bencisotiazol-3(2H)-ona; 1,2-bencisotiazolin-3-ona; 1,2-bencisotiazol-3-ona

Vía de exposición:	Tiempo de exposición:	PNEC:
Agua dulce		4.03 µg/L
Agua marina		403 ng/L
Depuradora de aguas residuales		1.03 mg/L
Liberación intermitente (agua dulce)		1.1 µg/L
Liberación intermitente (agua marina)		110 ng/L
Sedimento de agua dulce		49.9 µg/kg
Sedimento de agua marina		4.99 µg/kg
Tierra		3 mg/kg

Disodium tin hexahydroxide

Vía de exposición:	Tiempo de exposición:	PNEC:
Agua dulce		33.1 µg/L
Agua marina		3.31 µg/L
Depuradora de aguas residuales		10 mg/L

Liberación intermitente (agua dulce)		331 µg/L
Liberación intermitente (agua marina)		33.1 µg/L
Sedimento de agua dulce		1.395 mg/kg
Sedimento de agua marina		139.46 µg/kg

peróxido de hidrógeno en disolución 35%; agua oxigenada 35%

Vía de exposición:	Tiempo de exposición:	PNEC:
Agua dulce		0,0126 mg/L
Agua dulce		12.6 µg/L
Agua marina		0,047 mg/L
Agua marina		12.6 µg/L
Depuradora de aguas residuales		4.66 mg/L
Depuradora de aguas residuales		4.66 mg/L
Liberación intermitente (agua dulce)		13.8 µg/L
Sedimento de agua dulce		0,047 mg/kg
Sedimento de agua dulce		47 µg/kg
Sedimento de agua marina		0,047 mg/L
Sedimento de agua marina		47 µg/kg
Tierra		0,023 mg/kg
Tierra		2.3 µg/kg

8.2. Controles de la exposición

Compruebe regularmente que no se superan los valores límite indicados.

Medidas de precaución generales:

No está permitido fumar, comer ni beber en el lugar de trabajo.

Escenarios de exposición:

No hay escenarios de exposición implementados para este producto.

Límites de exposición:

Los usuarios profesionales quedan cubiertos a las normas de la legislación medioambiental relativa a máximas concentraciones de exposición. Consulte los límites laborales a arriba.

Iniciativa técnica:

La formación de vapor se debe mantener al mínimo y por debajo de los valores del límite de corriente (ver arriba). Se recomienda instalar un sistema de extracción local si el flujo de aire normal en la sala de trabajo no es suficiente. Asegúrese de que los limpiadores de ojos y las duchas de emergencia estén claramente indicadas. Tome precauciones estándar durante el uso de este producto. Evite la inhalación de vapores.

Disposiciones higiénicas:

En cada pausa del uso del producto y al finalizar el trabajo limpie las zonas del cuerpo expuestas. Preste especial atención a las manos, los antebrazos y la cara.

Disposiciones para limitar la exposición del entorno:

No tiene requisitos específicos.

Medidas de protección individual, tales como equipos de protección personal

General:

Solamente utilizar equipos de protección con la marca CE.

Conducto respiratorio:

Tipo	Clase	Color	Normas	
No se requiere ninguna en especial en condiciones normales de uso.				

Piel y cuerpo:

Recomendado	Tipo/Categoría	Normas	
No se requiere ninguna en especial en condiciones normales de uso.	-	-	

Manos:

La situación de trabajo	Material	Espesura mínima de capa (mm)	Tiempo de penetración (min.)	Normas	
	No se requiere ninguna en especial en condiciones normales de uso	-	-	-	
En caso de exposición prolongada o de altas concentraciones	Algodón / Caucho natural (Latex)	-	> 120	EN374-2, EN16523-1, EN388	

Ojos:

La situación de trabajo	Tipo	Normas	
	No se requiere ninguna en especial en condiciones normales de uso.	-	
En caso de exposición prolongada o de altas concentraciones	Use gafas de seguridad con protección lateral.	EN166	

SECCIÓN 9. PROPIEDADES FÍSICAS Y QUÍMICAS

9.1. Información sobre propiedades físicas y químicas básicas

Condición física:

Líquido

Color:

Incoloro

Olor / Umbral olfativo (ppm):

de perfume

pH:

ca. 4.8

Densidad (g/cm³):

1,02 (20 °C)

Viscosidad cinemática:

No se dispone de datos.

Características de las partículas:

No se aplica a los líquidos.

Cambio de estado y vapores

Punto de fusión/punto de congelación (°C):

No se dispone de datos.

El punto o intervalo/reblandecimiento (°C):

No se aplica a los líquidos.

Punto de ebullición (°C):

No se dispone de datos.

Presión del vapor:

No se dispone de datos.

Densidad de vapor relativa:

No se dispone de datos.

Temperatura de descomposición (°C):

No se dispone de datos.

Datos de riesgo de incendio y explosión

Punto de ignición (°C):

No se dispone de datos.

Inflamabilidad (°C):

No se dispone de datos.

Temperatura de auto-inflamación (°C):

No se dispone de datos.

Límites de explosión (% v/v):

No se dispone de datos.

Solubilidad

Solubilidad en agua:

Completamente soluble

coeficiente n-octanol/agua (LogKow):

No se dispone de datos.

Solubilidad en grasa (g/L):

No se dispone de datos.

9.2. Otros datos

Otros parámetros físicos y químicos:

No se dispone de datos.

Propiedades oxidantes:

No se dispone de datos.

SECCIÓN 10. ESTABILIDAD Y REACTIVIDAD

10.1. Reactividad

No se dispone de datos.

10.2. Estabilidad química

El producto es estable bajo las condiciones indicadas en la sección 7 "Manipulación y almacenamiento".

10.3. Posibilidad de reacciones peligrosas

Ningunos conocidos.

10.4. Condiciones que deben evitarse

Ningunos conocidos.

10.5. Materiales incompatibles

Ácidos fuertes, alcalinos fuertes, oxidantes fuertes y agentes reductores fuertes.

10.6. Productos de descomposición peligrosos

En condiciones normales de almacenamiento y uso, no se deben formar productos de descomposición peligrosos.

SECCIÓN 11. INFORMACIÓN TOXICOLÓGICA

11.1. Información sobre las clases de peligro definidas en el Reglamento (CE) n.º 1272/2008

Toxicidad aguda

Producto / ingrediente peróxido de hidrógeno en disolución 35%; agua oxigenada 35%

Especies:	Rata
Vía de exposición:	Oral
Prueba:	DL50
Resultado:	1.193 - 1.270 mg/L

Producto / ingrediente	peróxido de hidrógeno en disolución 35%; agua oxigenada 35%
Especies:	Conejo
Vía de exposición:	Dérmico
Prueba:	DL50
Resultado:	>2.000 (35% oplossing) mg/kg

Producto / ingrediente	1,2-Bencisotiazol-3(2H)-ona; 1,2-bencisotiazolin-3-ona;1,2,bencisotiazol-3-ona
Especies:	Rata
Vía de exposición:	Oral
Prueba:	DL50
Resultado:	500 mg/kg

A la vista de los datos disponibles, no se cumplen los criterios de clasificación.

Corrosión o irritación cutáneas

Producto / ingrediente	peróxido de hidrógeno en disolución 35%; agua oxigenada 35%
Resultado:	Se observan efectos adversos (Irritante)

Producto / ingrediente	1,2-Bencisotiazol-3(2H)-ona; 1,2-bencisotiazolin-3-ona;1,2,bencisotiazol-3-ona
Método de ensayo:	OCDE 404
Resultado:	Se observan efectos adversos (Irritante)

A la vista de los datos disponibles, no se cumplen los criterios de clasificación.

Lesiones o irritación ocular graves

Producto / ingrediente	peróxido de hidrógeno en disolución 35%; agua oxigenada 35%
Resultado:	Se observan efectos adversos (Provoca lesiones oculares graves)

Producto / ingrediente	1,2-Bencisotiazol-3(2H)-ona; 1,2-bencisotiazolin-3-ona;1,2,bencisotiazol-3-ona
Método de ensayo:	OCDE 405
Resultado:	Se observan efectos adversos (Provoca lesiones oculares graves)

A la vista de los datos disponibles, no se cumplen los criterios de clasificación.

Sensibilización respiratoria

Producto / ingrediente	peróxido de hidrógeno en disolución 35%; agua oxigenada 35%
Resultado:	No se observan efectos adversos (no sensibilizantes)

A la vista de los datos disponibles, no se cumplen los criterios de clasificación.

Sensibilización cutánea

Producto / ingrediente	1,2-Bencisotiazol-3(2H)-ona; 1,2-bencisotiazolin-3-ona;1,2,bencisotiazol-3-ona
Método de ensayo:	OCDE 429
Especies:	Ratón
Resultado:	Se observan efectos adversos (sensibilizantes)

Producto / ingrediente	1,2-Bencisotiazol-3(2H)-ona; 1,2-bencisotiazolin-3-ona;1,2,bencisotiazol-3-ona
Método de ensayo:	OCDE 406
Especies:	Cobayo
Resultado:	Se observan efectos adversos (sensibilizantes)

A la vista de los datos disponibles, no se cumplen los criterios de clasificación.

Mutagenicidad en células germinales

A la vista de los datos disponibles, no se cumplen los criterios de clasificación.

Carcinogenicidad

Producto / ingrediente	peróxido de hidrógeno en disolución 35%; agua oxigenada 35%
Conclusión:	No se observan efectos adversos

A la vista de los datos disponibles, no se cumplen los criterios de clasificación.

Toxicidad para la reproducción

Producto / ingrediente: peróxido de hidrógeno en disolución 35%; agua oxigenada 35%
Conclusión: No se observan efectos adversos

A la vista de los datos disponibles, no se cumplen los criterios de clasificación.

Toxicidad específica en determinados órganos (STOT) – exposición única

A la vista de los datos disponibles, no se cumplen los criterios de clasificación.

Toxicidad específica en determinados órganos (STOT) – exposición repetida

A la vista de los datos disponibles, no se cumplen los criterios de clasificación.

Peligro de aspiración

Producto / ingrediente: peróxido de hidrógeno en disolución 35%; agua oxigenada 35%

A la vista de los datos disponibles, no se cumplen los criterios de clasificación.

11.2. Información sobre otros peligros

Efectos a largo plazo

Ningunos conocidos.

Propiedades de alteración endocrina

Esta mezcla/este producto no contiene ninguna sustancia que se considere que tenga efectos disruptores sobre el sistema endocrino en relación con la salud.

Otros datos

peróxido de hidrógeno en disolución 35%; agua oxigenada 35% ha sido clasificado por IARC como grupo 3.

SECCIÓN 12. INFORMACIÓN ECOLÓGICA

12.1. Toxicidad

Producto / ingrediente: peróxido de hidrógeno en disolución 35%; agua oxigenada 35%
Especies: Pez, Pimephales promelas
Duración: 96 horas
Prueba: CL50
Resultado: 16,4 mg/L

Producto / ingrediente: peróxido de hidrógeno en disolución 35%; agua oxigenada 35%
Especies: Pez, Leuciscus idus
Duración: 72 horas
Prueba: CL50
Resultado: 35 mg/L

Producto / ingrediente: peróxido de hidrógeno en disolución 35%; agua oxigenada 35%
Especies: Pez, Oncorhynchus mykiss
Duración: 7 días
Prueba: CL50
Resultado: 38,5 mg/L

Producto / ingrediente: peróxido de hidrógeno en disolución 35%; agua oxigenada 35%
Especies: Daphnia pulex
Duración: 48 horas
Prueba: CE50
Resultado: 2,4 mg/L

Producto / ingrediente: peróxido de hidrógeno en disolución 35%; agua oxigenada 35%
Especies: Daphnia magna
Duración: 24 horas
Prueba: CE50
Resultado: 7,7 mg/L

Producto / ingrediente: peróxido de hidrógeno en disolución 35%; agua oxigenada 35%
Especies: Skeletonema costatum
Duración: 72 horas

Prueba: CE50
Resultado: 1,38 mg/L

Producto / ingrediente: peróxido de hidrógeno en disolución 35%; agua oxigenada 35%
Método de ensayo: OCDE 209
Especies: Bacterias
Compartimento medioambiental: Planta de fango activada
Duración: 30 minutos
Prueba: CE50
Resultado: 466 mg/L

Producto / ingrediente: peróxido de hidrógeno en disolución 35%; agua oxigenada 35%
Método de ensayo: OCDE 209
Especies: Bacterias
Compartimento medioambiental: Planta de fango activada
Duración: 3 horas
Prueba: CE50
Resultado: > 1.000 mg/L

Producto / ingrediente: 1,2-Bencisotiazol-3(2H)-ona; 1,2-bencisotiazolin-3-ona; 1,2,bencisotiazol-3-ona
Especies: Pez
Duración: 96 horas
Prueba: CL50
Resultado: >0.1-1 mg/L

Producto / ingrediente: 1,2-Bencisotiazol-3(2H)-ona; 1,2-bencisotiazolin-3-ona; 1,2,bencisotiazol-3-ona
Especies: Crustáceo
Duración: 48 horas
Prueba: CE50
Resultado: >0.1-1 mg/L

Producto / ingrediente: 1,2-Bencisotiazol-3(2H)-ona; 1,2-bencisotiazolin-3-ona; 1,2,bencisotiazol-3-ona
Especies: Alga
Duración: 72 horas
Prueba: CE50
Resultado: >0.1-1 mg/L

A la vista de los datos disponibles, no se cumplen los criterios de clasificación.

12.2. Persistencia y degradabilidad

Producto / ingrediente: Alcohol, C13, bran., EO, sulfato Na~
Resultado: > 60 %
Conclusión: Fácil biodegradabilidad
Prueba: OCDE 301 B

Producto / ingrediente: peróxido de hidrógeno en disolución 35%; agua oxigenada 35%
Conclusión: Fácil biodegradabilidad

Producto / ingrediente: 1,2-Bencisotiazol-3(2H)-ona; 1,2-bencisotiazolin-3-ona; 1,2,bencisotiazol-3-ona
Resultado: 90%
Conclusión: Fácil biodegradabilidad
Prueba: OECD 302

El tensioactivo(s) contenido(s) en esta preparación cumple(n) con el criterio de biodegradabilidad estipulado en el Reglamento (CE) n° 648/2004 sobre detergentes. Los datos para justificar esta afirmación están a disposición de las autoridades competentes de los Estados Miembros y les serán mostrados bajo su requerimiento directo o bajo requerimiento de un productor de detergentes.

12.3. Potencial de bioacumulación

Producto / ingrediente: peróxido de hidrógeno en disolución 35%; agua oxigenada 35%
LogKow: -1,57

Conclusión: -

Producto / ingrediente 1,2-Bencisotiazol-3(2H)-ona; 1,2-bencisotiazolin-3-ona; 1,2-bencisotiazol-3-ona
BCF: 2
LogKow: 1.45
Conclusión: El potencial de bioacumulación es bajo

12.4. Movilidad en el suelo

No se dispone de datos.

12.5. Resultados de la valoración PBT y mPmB

No se considera que esta combinación/producto contenga sustancias que cumplan los criterios de clasificación como PBT y/o mPmB.

12.6. Propiedades de alteración endocrina

Esta mezcla/este producto no contiene ninguna sustancia que se considere que tenga efectos disruptores sobre el sistema endocrino en relación con el medio ambiente.

12.7. Otros efectos adversos

Ningunos conocidos.

SECCIÓN 13. CONSIDERACIONES RELATIVAS A LA ELIMINACIÓN

13.1. Métodos para el tratamiento de residuos

El producto está bajo las normas de residuos peligrosos. (*)

HP 4 - Irritante (irritación cutánea y lesiones oculares)

Reglamento (UE) n° 1357/2014 de la Comisión de 18 de diciembre de 2014 sobre los residuos.

Ley 22/2011, de 28 de julio, de Residuos y suelos contaminados.

Ley 11/1997, de 24 de abril, de envases y residuos de envases y Reglamento que la desarrolla, R.D. 782/1998, de 30 de abril.

Orden MAM 304/2002, de 8 de febrero, por la que se publican las operaciones de valorización y eliminación de residuos y la lista europea de residuos.

Código de residuos:

20 01 30 Detergentes distintos de los especificados en el código 20 01 29

Contenedor contaminado

Los embalajes con restos del producto deben eliminarse siguiendo el mismo procedimiento que el resto del producto.

SECCIÓN 14. INFORMACIÓN RELATIVA AL TRANSPORTE

	14.1 ONU	14.2 Designación oficial de transporte	14.3 Clase(s) de peligro	14.4 PG*	14.5. Env**	Otra información :
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Grupo de embalaje

** Peligros para el medio ambiente

Otros

Productos no peligrosos de conformidad con el ADR, IATA y el IMDG.

14.6. Precauciones particulares para los usuarios

No aplicable.

14.7. Transporte marítimo a granel con arreglo a los instrumentos de la OMI

No se dispone de datos.

SECCIÓN 15. INFORMACIÓN REGLAMENTARIA

15.1. Reglamentación y legislación en materia de seguridad, salud y medio ambiente específicas para la sustancia o la mezcla

Limitaciones de uso:

Reservado exclusivamente a usuarios profesionales.

Requisitos de formación específica:

No tiene requisitos específicos.

SEVESO - Categorías de peligro / Sustancias peligrosas nominadas:

No aplicable.

Reglamento sobre la comercialización y la utilización de precursores de explosivos:

peróxido de hidrógeno en disolución 35%; agua oxigenada 35% (Anexo I)

Etiquetado del contenido según el Reglamento de Detergentes 648/2004:

>5% - <15%

· Tensioactivos no iónicos

< 5%

· Tensioactivos aniónicos

· Blanqueantes oxigenados

· Perfumes

· Conservantes (BENZISOTHIAZOLINONE)

Otros:

El tensioactivo(s) contenido(s) en esta preparación cumple(n) con el criterio de biodegradabilidad estipulado en el Reglamento (CE) n° 648/2004 sobre detergentes. Los datos para justificar esta afirmación están a disposición de las autoridades competentes de los Estados Miembros y les serán mostrados bajo su requerimiento directo o bajo requerimiento de un productor de detergentes.

Fuentes:

Reglamento (CE) n° 648/2004 del Parlamento Europeo y del Consejo de 31 de marzo de 2004, sobre detergentes.

Reglamento (UE) n° 1357/2014 de la Comisión de 18 de diciembre de 2014 sobre los residuos.

Reglamento (UE) N° 2019/1148 sobre la comercialización y la utilización de precursores de explosivos.

Reglamento (CE) n° 1272/2008 del Parlamento Europeo y del Consejo de 16 de diciembre de 2008 sobre clasificación, etiquetado y envasado de sustancias y mezclas (CLP).

Reglamento (CE) n° 1907/2006 del Parlamento Europeo y del Consejo, de 18 de diciembre de 2006, relativo al registro, la evaluación, la autorización y la restricción de las sustancias y preparados químicos (REACH).

15.2. Evaluación de la seguridad química

No

SECCIÓN 16. OTRA INFORMACIÓN

Redacción completa de las frases H descrita en la sección 3

H271, Puede provocar un incendio o una explosión; muy comburente.

H302, Nocivo en caso de ingestión.

H314, Provoca quemaduras graves en la piel y lesiones oculares graves.

H315, Provoca irritación cutánea.

H318, Provoca lesiones oculares graves.

H319, Provoca irritación ocular grave.

H332, Nocivo en caso de inhalación.

H335, Puede irritar las vías respiratorias.

H336, Puede provocar somnolencia o vértigo.

H412, Nocivo para los organismos acuáticos, con efectos nocivos duraderos.

Abreviaturas y acrónimos

ADN = Acuerdo Europeo Relativo al Transporte Internacional de Mercancías Peligrosas por Vía Navegable Interior

ADR = Acuerdo Europeo sobre el Transporte Internacional de Mercancías Peligrosas por Carretera

ETA = Estimación de Toxicidad Aguda

CAS = Servicio de Resúmenes Químicos
CE = Conformité Européenne (De Conformidad Europea)
CLP = Reglamento sobre Clasificación, Etiquetado y Envasado [Reglamento (CE) No 1272/2008]
CLP CER = Catálogo Europeo de Residuos
COV = Compuestos Orgánicos Volátiles
DMEL = Nivel de Efecto Mínimo Derivado
DNEL = Nivel sin efecto derivado
EINECS = Inventario Europeo de Sustancias Químicas Existentes Comercializadas
EE = Escenarios de Exposición Indicación
EUH = Indicación de Peligro específica del
EuPCS = Sistema Europeo de Clasificación de Productos
FBC = Factor de Bioconcentración
IARC = Agência Internacional de Pesquisa em Câncer
IATA = Asociación de Transporte Aéreo Internacional
IBC = Contenedor Intermedio para Productos a Granel
IMDG = Código Marítimo Internacional de Mercancías Peligrosas
ISQ = Informe sobre la Seguridad Química
Log Kow = logaritmo del coeficiente de reparto octanol/agua
MARPOL = Convenio Internacional para Prevenir la Contaminación por los Buques, 1973 con el Protocolo de 1978. ("Marpol" = polución marina)
mPmB = Muy Persistente y Muy Bioacumulativa
OCDE = Organización de Cooperación y Desarrollo Económico
ONU = Organización de las Naciones Unidas
PBT = Persistente, Bioacumulativo y Tóxico
PCG = Potencial de calentamiento global
PNEC = Concentración Prevista Sin Efecto
RID = Reglamento de Transporte Internacional de Mercancías Peligrosas por Ferrocarril
RRN = Número de Registro REACH
SCL = Límite de concentración específico (LCE).
SEP = Sustancia Extremadamente Preocupante
SGA = Sistema Globalmente Armonizado de Clasificación y Etiquetado de Productos Químicos
STOT-RE = Toxicidad Específica en Determinados Órganos - Exposiciones Repetidas
STOT-SE = Toxicidad Específica en Determinados Órganos - Exposición Única
UVCB = Significa sustancias de composición desconocida o variable, productos de reacción complejos y materiales biológicos
VLA-ED = Promedio ponderado por el tiempo
VSQ = Valoración de la Seguridad Química

Otros

No aplicable.

Ficha de datos de seguridad es validada por

Quality & Compliance

Otros

Las modificaciones en relación a la presente revisión (primera cifra en la Versión FDS, véase sección 1) de esta hoja de datos de seguridad se marcan con un triángulo.

La información que contiene esta hoja de la ficha de datos de seguridad se aplica únicamente al producto indicado en la sección 1 y no tiene por qué ser aplicable si se utiliza con otros productos.

Se recomienda entregar esta hoja de la ficha de datos de seguridad al usuario del producto. La información indicada no se puede utilizar como ficha técnica del producto.

País-idioma: ES-es

KÄYTTÖTURVALLISUUSTIEDOTE

i.1 all-purpose cleaner FlexDose

KOHTA 1: AINEEN TAI SEOKSEN JA YHTIÖN TAI YRITYKSEN TUNNISTETIEDOT

1.1. Tuotetunniste

- ▼ *Kauppanimi:*
i.1 all-purpose cleaner FlexDose

1.2. Aineen tai seoksen merkitykselliset tunnistetut käytöt ja käytöt, joita ei suositella

Aineen tai seoksen merkitykselliset tunnistetut käyttökohteet:

Pesu- ja puhdistusaineet (myös liuotinpohjaiset)
Vain ammattikäyttöön.

Käytöt, joita ei suositella:

Ei tunneta.

1.3. Käyttöturvallisuustiedotteen toimittajan tiedot

Yrityksen nimi ja osoite:

Hygeniq B.V.
Postbus 618
7500 AP Enschede
The Netherlands
+31 53 4282860
+31 53 5393865
www.hygeniq.com

Sähköpostiosoite:

info@hygeniq.com

Tarkistettu:

27.6.2025

KTT:n versio:

2.0

Edellinen päiväys:

2.6.2025 (1.0)

1.4. Häätöpuhelinnumero

HUS Myrkytystietokeskus 24 h/vrk, puh. 0800 147 111.
Myrkytystietokeskus/HUS, Tukholmankatu 17, 00029 HUS (Helsinki)
Ks. ensiaputoimenpiteet kohta 4.

KOHTA 2: VAARAN YKSILÖINTI

2.1. Aineen tai seoksen luokitus

Ei luokiteltu asetuksen (EY) nro 1272/2008 (CLP) mukaan.

2.2. Merkinnät

Varoitusmerkit:

Ei sovellettavissa.

Huomiosana:

Ei sovellettavissa.

Vaaralausekkeet:

Ei sovellettavissa.

Turvalausekkeet:

Yleiset:

-

Ennaltaehkäisy:

-

Pelastustoimenpiteet:

-

Varastointi:

-

Jätteiden käsittely:

-

Vaaralliset aineet:

Ei sisällä ilmoitusvelvollisuutta koskevia aineita

Täydentävät tiedot:

EUH210, Käyttöturvallisuustiedote toimitetaan pyynnöstä.

Sisältöä koskevat merkinnät (sovellettava kuluttajille myytävien pesuaineiden pakkauksissa):

>5% - <15%

· Ionittomat pinta-aktiiviset aineet

< 5%

· Anioniset pinta-aktiiviset aineet

· Happipohjaiset valkaisuaineet

· Hajusteet

· Säilöntäaineet (BENZISOTHIAZOLINONE)

2.3. Muut vaarat

Muuta:

Tämä seos/tuote ei sisällä aineita, jotka täyttäisivät PBT- ja/tai vPvB-aineiksi luokiteltavien aineiden kriteerit. Tuote ei sisällä aineita, joilla on tunnistettu olevan hormonitoimintaa häiritseviä ominaisuuksia komission delegoidussa asetuksessa (EU) 2017/2100 tai komission asetuksessa (EU) 2023/707 vahvistettujen kriteerien mukaisesti.

KOHTA 3: KOOSTUMUS JA TIEDOT AINEOSISTA

3.1. Aineet

Ei sovellettavissa. Tämä tuote on seos.

3.2. Seokset

Tuote/aineosa	Tunnisteet	Pitoisuus	Luokitus	Huomautukset
Alcohol, C13, bran., EO, sulfate Na~	CAS: 150413-26-6 EY: 688-316-0 REACH-rek.nro.: Indeksinro.:	1-3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 3, H412	
Vetyperoksidiliuos 35%	CAS: 7722-84-1 EY: 231-765-0 REACH-rek.nro.: 01-2119485845-22-XXXX Indeksinro.: 008-003-00-9	1-3%	Ox. Liq. 1, H271 Acute Tox. 4, H302 Skin Corr. 1A, H314 (SCL: 70,00 %) Skin Corr. 1B, H314 (SCL: 50,00 %) Skin Irrit. 2, H315 (SCL: 35,00 %) Eye Dam. 1, H318 (SCL: 8,00 %) Eye Irrit. 2, H319 (SCL: 5,00 %)	

			Acute Tox. 4, H332 STOT SE 3, H336 (SCL: 35,00 %)	
citroenzuurmonohydraat	CAS: 5949-29-1 EY: 611-842-9 REACH-rek.nro.: 01-2119457026-42-XXXX Indeksinro.:	<0.1%	Eye Irrit. 2, H319	
Disodium tin hexahydroxide	CAS: 12027-70-2 EY: 234-724-5 REACH-rek.nro.: 01-2120770924-45-XXXX Indeksinro.:	<0.05%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	[1]

H-lausekkeet annetaan täydessä sanamuodossaan kohdassa 16. Työhygieeniset raja-arvot annetaan kohdassa 8, mikäli ne ovat saatavilla.

Muut tiedot

[1] Eurooppalainen työperäisen altistumisen raja-arvo.

KOHTA 4: ENSIAPUTOIMENPITEET

4.1. Ensiaputoimenpiteiden kuvaus

Yleistä:

Onnettomuustilanne: Ota yhteys lääkäriin tai ensiapuun - ota mukaan etiketti tai tämä käyttöturvallisuustiedote. Jos oireet jatkuvat tai loukkaantuneen tilasta ei ole varmuutta, hakeudu lääkärin hoitoon. Älä koskaan anna tajuttomalle vettä tai muuta juotavaa.

Hengitettynä:

Hengitysvaikeuksien tai hengitystieärsytyksen ilmetessä: Siirrä henkilö raittiiseen ilmaan ja tarkkaile hänen vointiaan.

Kosketus ihoon:

Jos ilmenee ärsytystä: huuhtelee vedellä. Jos ärsytys jatkuu: hakeudu lääkärin hoitoon.

Kosketus silmiin:

JOS KEMIKAALIA JOUTUU SILMIIN: Huuhtelee heti vedellä (20 - 30 °C) vähintään 5 minuuttia. Hakeudu lääkärin hoitoon. Poista mahdolliset piilolinssit. Jatka huuhtelua kuljetuksen aikana.

Nieltynä:

Jos henkilö on tajuissaan, huuhtelee suu vedellä ja valvo henkilöä. Älä anna henkilölle juotavaa. Pahoinvointitapauksessa: Ota heti yhteys lääkäriin ja ota mukaan tämä käyttöturvallisuustiedote tai tuotteen etiketti. Älä oksennuta, ellei lääkäri suosittele sitä. Pidä päästä alhaalla, ettei mahdollinen oksennus valu takaisin suuhun tai kurkkuun.

Palovamma:

Ei sovellettavissa.

4.2. Tärkeimmät oireet ja vaikutukset, sekä välittömät että viivästyneet

Ei tunneta.

4.3. Mahdollisesti tarvittavaa välitöntä lääketieteellistä apua ja erityishoitoa koskevat ohjeet

Hoida oireiden mukaisesti.

Tietoja lääkärille

Ota mukaan tämä käyttöturvallisuustiedote tai tuotteen etiketti.

KOHTA 5: PALONTORJUNTATOIMENPITEET

5.1. Sammutusaineet

Ei sovellettavissa.

5.2. Aineesta tai seoksesta johtuvat erityiset vaarat

Tulipalo muodostaa paksua savua. Altistuminen hajoamistuotteille voi aiheuttaa vaaran terveydelle. Tulelle altistuneet suljetut säiliöt jäähdytetään vedellä. Sammutusvesi ei saa valua viemäriverkostoon eikä vesistöön.

Jos tuote altistuu korkeille lämpötiloille esim. tulipalon yhteydessä, se voi muodostaa vaarallisia hajoamistuotteita.

Niitä ovat:

Hiilen oksidit (CO / CO₂)

5.3. Palontorjuntaa koskevat ohjeet

Ei erityisvaatimuksia.

KOHTA 6: TOIMENPITEET ONNETTOMUUSPÄÄSTÖISSÄ

6.1. Varotoimenpiteet, henkilönsuojaimet ja menettely hätätilanteessa

Huolehdi asianmukaisesta ilmastoinnista erityisesti ahtaissa tiloissa.

Saastuneet alueet voivat olla liukkaita

6.2. Ympäristöön kohdistuvat varotoimet

Vältä päästöjä järviin, jokiin, viemäriverkostoon jne.

Pidä ulkopuoliset henkilöt poissa vuodon läheltä

6.3. Suojarakenteita ja puhdistusta koskevat menetelmät ja -välineet

Käytä palamattomien materiaalien keräämiseen hiekkaa, piimaata tai yleisiä imeytysaineita ja säilö materiaali säiliöön hävittämistä varten, paikallisten määräysten mukaisesti.

Käytä puhdistamiseen tavallisia puhdistusaineita mahdollisuuksien mukaan. Vältä liuottimien käyttöä.

6.4. Viittaukset muihin kohtiin

Katso tietoja jätteen käsittelystä kohdasta 13 "Jätteiden käsittelyyn liittyvät näkökohdat".

Katso suojaustoimenpiteet kohdasta 8 "Altistumisen ehkäiseminen ja henkilönsuojaimet".

KOHTA 7: KÄSITTELY JA VARASTOINTI

7.1. Turvallisen käsittelyn edellyttämät toimenpiteet

Tupakointi, syöminen ja juominen ei ole sallittua työtiloissa.

Katso tietoja henkilökohtaisista suojaimista kohdasta 8 "Altistumisen ehkäiseminen ja henkilönsuojaimet".

7.2. Turvallisen varastoinnin edellyttämät olosuhteet, mukaan luettuina yhteensopimattomuudet

Avatut säiliöt on suljettava huolellisesti uudelleen ja pidettävä pystysuorassa vuotojen estämiseksi.

Soveltuvat pakkaustavat:

Säilytä alkuperäispakkauksessa.

Varastointiolosuhteet:

Kuiva, viileä ja hyvin ilmastoitu

Yhteensopimattomat materiaalit:

Vahvat hapot, vahvat emäkset, vahvat hapettimet ja vahvat pelkistimet.

7.3. Erityinen loppukäyttö

Tätä tuotetta tulee käyttää vain kohdassa 1.2 kuvatulla tavalla.

KOHTA 8: ALTISTUMISEN EHKÄISEMINEN JA HENKILÖNSUOJAIMET

8.1. Valvontaa koskevat muuttujat

Vetyperoksidiliuos 35%

HTP-arvot (8 h) (ppm): 1

HTP-arvot (8 h) (mg/m³): 1,4
HTP-arvot (15 min) (ppm): 3
HTP-arvot (15 min) (mg/m³): 4,2

Sosiaali- ja terveystieteiden ministeriön asetus haitallisiksi tunnetuista pitoisuuksista (55/2025).

DNEL

1,2-bentsisotiatsol-3(2H)-oni; 1,2-bentsisotiatsolin-3-oni; 1,2-bentsisotiatsolin-3-oni

Kesto:	Altistumisreitti:	DNEL:
Pitkäaikainen – Systemaattiset vaikutukset - työntekijät	Hengitettynä	6.81 mg/m ³
Pitkäaikainen – Systemaattiset vaikutukset - väestö	Hengitettynä	1.2 mg/m ³
Pitkäaikainen – Systemaattiset vaikutukset - työntekijät	Ihon kautta	966 µg/kg/päivä
Pitkäaikainen – Systemaattiset vaikutukset - väestö	Ihon kautta	0.345 mg/kg

Disodium tin hexahydroxide

Kesto:	Altistumisreitti:	DNEL:
Pitkäaikainen – Systemaattiset vaikutukset - työntekijät	Hengitettynä	11.9 mg/m ³
Pitkäaikainen – Systemaattiset vaikutukset - väestö	Hengitettynä	1.78 mg/m ³
Pitkäaikainen – Systemaattiset vaikutukset - työntekijät	Ihon kautta	3.37 mg/kg/päivä
Pitkäaikainen – Systemaattiset vaikutukset - väestö	Ihon kautta	1.21 mg/kg/päivä
Pitkäaikainen – Systemaattiset vaikutukset - väestö	Suun kautta	1.21 mg/kg/päivä

Vetyperoksidiliuos 35%

Kesto:	Altistumisreitti:	DNEL:
Lyhytaikainen – paikalliset vaikutukset - työntekijät	Hengitettynä	3 mg/m ³
Lyhytaikainen – paikalliset vaikutukset - väestö	Hengitettynä	1.93 mg/m ³
Pitkäaikainen – paikalliset vaikutukset - työntekijät	Hengitettynä	1.4 mg/m ³
Pitkäaikainen – paikalliset vaikutukset - väestö	Hengitettynä	0.21 mg/m ³
Pitkäaikainen – paikalliset vaikutukset - väestö	Hengitettynä	210 µg/m ³

PNEC

1,2-bentsisotiatsol-3(2H)-oni; 1,2-bentsisotiatsolin-3-oni; 1,2-bentsisotiatsolin-3-oni

Altistumisreitti:	Altistumisen kesto:	PNEC:
Jaksottainen päästö (makeavesi)		1.1 µg/L
Jaksottainen päästö (merivesi)		110 ng/L
Jäteveden käsittelylaitos		1.03 mg/L
Maa		3 mg/kg
Makeanveden sedimentti		49.9 µg/kg
Makeavesi		4.03 µg/L
Meriveden sedimentti		4.99 µg/kg
Merivesi		403 ng/L

Disodium tin hexahydroxide

Altistumisreitti:	Altistumisen kesto:	PNEC:
Jaksottainen päästö (makeavesi)		331 µg/L
Jaksottainen päästö (merivesi)		33.1 µg/L
Jäteveden käsittelylaitos		10 mg/L
Makeanveden sedimentti		1.395 mg/kg

Makeavesi		33.1 µg/L
Meriveden sedimentti		139.46 µg/kg
Merivesi		3.31 µg/L

Vetyperoksidiliuos 35%

Altistumisreitti:	Altistumisen kesto:	PNEC:
Jaksottainen päästö (makeavesi)		13.8 µg/L
Jäteveden käsittelylaitos		4.66 mg/L
Jäteveden käsittelylaitos		4.66 mg/L
Maa		0,023 mg/kg
Maa		2.3 µg/kg
Makeanveden sedimentti		0,047 mg/kg
Makeanveden sedimentti		47 µg/kg
Makeavesi		0,0126 mg/L
Makeavesi		12.6 µg/L
Meriveden sedimentti		0,047 mg/L
Meriveden sedimentti		47 µg/kg
Merivesi		0,047 mg/L
Merivesi		12.6 µg/L

8.2. Altistumisen ehkäiseminen

Raja-arvojen noudattamista on seurattava säännöllisesti.

Yleiset suositukset:

Tupakointi, syöminen ja juominen ei ole sallittua työtiloissa.

Altistumisskenaariot:

Tälle tuotteelle ei ole annettu altistumisskenaarioita.

Työperäisen altistumisen raja-arvot:

Ammattikäyttäjää koskevat työympäristölainsäädännön säännökset altistumisen enimmäispitoisuuksista. Kts. työhygieeniset raja-arvot edellä.

Asianmukaiset tekniset torjuntatoimenpiteet:

Höyryn muodostuminen tulee minimoida, ja höyryn pitoisuus tulee pitää nykyisten raja-arvojen alapuolella (kts. edellä). Käytä tarvittaessa kohdepoistoa, mikäli ilmanvaihto työpaikalla ei ole riittävä. Huolehdi siitä, että silmähuuhtelupaikat ja hätäsuihkut on merkitty näkyvästi.

Noudata tavanomaisia varotoimenpiteitä tuotetta käytettäessä. Vältä höyryjen hengittämistä.

Hygieniatoimenpiteet:

Altistuneet kehon alueet on pestävä aina kun tuotteen käytössä on tauko tai kun työ loppuu. Kiinnitä erityistä huomiota käsiin, käsivarsiin ja kasvoihin

Varotoimet ympäristöaltistuksen rajoittamiseksi:

Ei erityisvaatimuksia.

Henkilökohtaiset suojatoimenpiteet, kuten henkilönsuojaimet

Yleistä:

Käytä vain CE-merkinnällä varustettuja suojavaarusteita.

Hengityksensuojaus:

Tyyppi	Luokka	Väri	Standardit	
Moottoroitu raitisilmalaite				

Ihon suojaus:

Suositus	Tyyppi/Kategoria	Standardit	
Ei erityisvaatimuksia normaalissa käytössä.	-	-	

Käsien suojaus:

Työolosuhteet	Materiaali	Paksuus (mm)	Läpäisy aika (min.)	Standardit	
	Ei erityisvaatimuksia normaalissa käytössä.	-	-	-	
Pitkäaikaisen altistumisen tai korkeiden pitoisuuksien yhteydessä	Puuvillasta / Luonnonkumi	-	> 120	EN374-2, EN16523-1, EN388	

Silmien ja kasvojen suojaus:

Työolosuhteet	Tyyppi	Standardit	
	Ei erityisvaatimuksia normaalissa käytössä.	-	
Pitkäaikaisen altistumisen tai korkeiden pitoisuuksien yhteydessä	Käytä suojalaseja, joissa on sivusuojat.	EN166	

KOHTA 9: FYSIKAALISET JA KEMIAALLISET OMINAISUUDET

9.1. Fysikaalisia ja kemiallisia perusominaisuuksia koskevat tiedot

Olomuoto:

Nestemäinen

Väri:

Väritön

Haju / Hajukynnys (ppm):

Hajustettu

pH:

ca. 4.8

Tiheys (g/cm³):

1,02 (20 °C)

Kinemaattinen viskositeetti:

Tietoja ei saatavilla.

Hiukkasten ominaisuudet:

Ei koske nesteitä.

Tilan muutos ja höyryt

Sulamis / jäätymispiste (°C):

Tietoja ei saatavilla.

Pehmenemispiste tai -alue (°C):

Ei koske nesteitä.

Kiehumispiste (°C):

Tietoja ei saatavilla.

Höyrynpaine:

Tietoja ei saatavilla.

Höyryn suhteellinen tiheys:

Tietoja ei saatavilla.

Hajoamislämpötila (°C):

Tietoja ei saatavilla.

Palo- ja räjähdysvaara

Leimahduspiste (°C):

Tietoja ei saatavilla.

Syttyvyys (°C):

Tietoja ei saatavilla.

Itsesyttymislämpötila (°C):

Tietoja ei saatavilla.

Räjähdyksrajat (% v/v):

Tietoja ei saatavilla.

Liukoisuus

Vesiliukoisuus:

Täysin liukeneva

Jakautumiskerroin: n-oktanolivesi (LogKow):

Tietoja ei saatavilla.

Rasvaliukoisuus (g/L):

Tietoja ei saatavilla.

9.2. Muut tiedot

Muut fysikaaliset ja kemialliset parametrit:

Tietoja ei saatavilla.

Hapettavat ominaisuudet:

Tietoja ei saatavilla.

KOHTA 10: STABIILISUUS JA REAKTIIVISUUS

10.1. Reaktiivisuus

Tietoja ei saatavilla.

10.2. Kemiallinen stabiilisuus

Tuote on stabiili olosuhteissa, jotka kerrotaan kohdassa 7 "Käsittely ja varastointi".

10.3. Vaarallisten reaktioiden mahdollisuus

Ei tunneta.

10.4. Vältettävät olosuhteet

Ei tunneta.

10.5. Yhteensopimattomat materiaalit

Vahvat hapot, vahvat emäkset, vahvat hapettimet ja vahvat pelkistimet.

10.6. Vaaralliset hajoamistuotteet

Normaalissa säilytyksessä ja käytössä hajoamistuotteita ei pitäisi syntyä.

KOHTA 11: MYRKYLLISYYTEEN LIITTYVÄT TIEDOT

11.1. Tiedot asetuksessa (EY) N:o 1272/2008 määritellyistä vaaraluokista

Välitön myrkyllisyys

Tuote/aineosa	Vetyperoksidiliuos 35%
Laji:	Rotta
Altistumisreitti:	Suun kautta
Testi:	LD50
Tulos:	1.193 - 1.270 mg/L

Tuote/aineosa	Vetyperoksidiliuos 35%
Laji:	Kani
Altistumisreitti:	Ihon kautta
Testi:	LD50
Tulos:	>2.000 (35% oplossing) mg/kg

Tuote/aineosa	1,2-bentsisotiatsol-3(2H)-oni; 1,2-bentsisotiatsolin-3-oni;1,2-bentsisotiatsolin-3-oni
Laji:	Rotta
Altistumisreitti:	Suun kautta
Testi:	LD50
Tulos:	500 mg/kg

Saatavilla olevien tietojen perusteella luokituskriteerit eivät täyty.

Ihosyövyttävyyksi/ihosärsytys

Tuote/aineosa	Vetyperoksidiliuos 35%
Tulos:	Havaittu haittavaikutuksia (Ärsyttävä)

Tuote/aineosa	1,2-bentsisotiatsol-3(2H)-oni; 1,2-bentsisotiatsolin-3-oni;1,2-bentsisotiatsolin-3-oni
Testimenetelmä:	OECD 404
Tulos:	Havaittu haittavaikutuksia (Ärsyttävä)

Saatavilla olevien tietojen perusteella luokituskriteerit eivät täyty.

Vakava silmävaurio/silmä-ärsytys

Tuote/aineosa	Vetyperoksidiliuos 35%
Tulos:	Havaittu haittavaikutuksia (Vaurioittaa vakavasti silmiä)

Tuote/aineosa	1,2-bentsisotiatsol-3(2H)-oni; 1,2-bentsisotiatsolin-3-oni;1,2-bentsisotiatsolin-3-oni
Testimenetelmä:	OECD 405
Tulos:	Havaittu haittavaikutuksia (Vaurioittaa vakavasti silmiä)

Saatavilla olevien tietojen perusteella luokituskriteerit eivät täyty.

Hengitysteiden herkistyminen

Tuote/aineosa	Vetyperoksidiliuos 35%
Tulos:	Haittavaikutuksia ei havaittu (ei herkistävä)

Saatavilla olevien tietojen perusteella luokituskriteerit eivät täyty.

Ihon herkistyminen

Tuote/aineosa	1,2-bentsisotiatsol-3(2H)-oni; 1,2-bentsisotiatsolin-3-oni;1,2-bentsisotiatsolin-3-oni
Testimenetelmä:	OECD 429
Laji:	Hiiiri
Tulos:	Havaittu haittavaikutuksia (herkistävä)

Tuote/aineosa	1,2-bentsisotiatsol-3(2H)-oni; 1,2-bentsisotiatsolin-3-oni;1,2-bentsisotiatsolin-3-oni
Testimenetelmä:	OECD 406
Laji:	Marsu
Tulos:	Havaittu haittavaikutuksia (herkistävä)

Saatavilla olevien tietojen perusteella luokituskriteerit eivät täyty.

Sukusolujen perimää vaurioittavat vaikutukset

Saatavilla olevien tietojen perusteella luokituskriteerit eivät täyty.

Syöpää aiheuttavat vaikutukset

Tuote/aineosa	Vetyperoksidiliuos 35%
Johtopäätös:	Haittavaikutuksia ei havaittu

Saatavilla olevien tietojen perusteella luokituskriteerit eivät täyty.

Lisääntymiselle vaaralliset vaikutukset

Tuote/aineosa	Vetyperoksidiliuos 35%
Johtopäätös:	Haittavaikutuksia ei havaittu

Saatavilla olevien tietojen perusteella luokituskriteerit eivät täyty.

Elinlääkärin myrkyllisyys – kerta-altistuminen

Saatavilla olevien tietojen perusteella luokituskriteerit eivät täyty.

Elinlääkärin myrkyllisyys – toistuva altistuminen

Saatavilla olevien tietojen perusteella luokituskriteerit eivät täyty.

Aspiraatiovaara

Tuote/aineosa Vetyperoksidiliuos 35%

Saatavilla olevien tietojen perusteella luokituskriteerit eivät täyty.

11.2. Tiedot muista vaaroista

Pitkäaikaisvaikutukset

Ei tunneta.

Hormonitoimintaa häiritsevät ominaisuudet

Tämä seos/tuote ei sisällä aineita, joilla katsotaan olevan hormonitoimintaa häiritseviä ominaisuuksia terveydelle.

Muut tiedot

Vetyperoksidiliuos 35%: IARC on luokitellut aineen ryhmään 3.

KOHTA 12: TIEDOT VAARALLISUUDESTA YMPÄRISTÖLLE

12.1. Myrkyllisyys

Tuote/aineosa	Vetyperoksidiliuos 35%
Laji:	Kala, Pimephales promelas
Kesto:	96 h
Testi:	LC50
Tulos:	16,4 mg/L

Tuote/aineosa	Vetyperoksidiliuos 35%
Laji:	Kala, Leuciscus idus
Kesto:	72 h
Testi:	LC50
Tulos:	35 mg/L

Tuote/aineosa	Vetyperoksidiliuos 35%
Laji:	Kala, Oncorhynchus mykiss
Kesto:	7 pv
Testi:	LC50
Tulos:	38,5 mg/L

Tuote/aineosa	Vetyperoksidiliuos 35%
Laji:	Daphnia pulex
Kesto:	48 h
Testi:	EC50
Tulos:	2,4 mg/L

Tuote/aineosa	Vetyperoksidiliuos 35%
Laji:	Daphnia magna
Kesto:	24 h
Testi:	EC50
Tulos:	7,7 mg/L

Tuote/aineosa	Vetyperoksidiliuos 35%
Laji:	Skeletonema costatum
Kesto:	72 h
Testi:	EC50
Tulos:	1,38 mg/L

Tuote/aineosa	Vetyperoksidiliuos 35%
Testimenetelmä:	OECD 209
Laji:	Bakteerit

Ympäristön osa-alue: Aktiivilietelaitos
Kesto: 30 minutes
Testi: EC50
Tulos: 466 mg/L

Tuote/aineosa: Vetyperoksidiliuos 35%
Testimenetelmä: OECD 209
Laji: Bakteerit
Ympäristön osa-alue: Aktiivilietelaitos
Kesto: 3 h
Testi: EC50
Tulos: > 1.000 mg/L

Tuote/aineosa: 1,2-bentsisotiatsol-3(2H)-oni; 1,2-bentsisotiatsolin-3-oni;1,2-bentsisotiatsolin-3-oni
Laji: Kala
Kesto: 96 h
Testi: LC50
Tulos: >0.1-1 mg/L

Tuote/aineosa: 1,2-bentsisotiatsol-3(2H)-oni; 1,2-bentsisotiatsolin-3-oni;1,2-bentsisotiatsolin-3-oni
Laji: Äyriäinen
Kesto: 48 h
Testi: EC50
Tulos: >0.1-1 mg/L

Tuote/aineosa: 1,2-bentsisotiatsol-3(2H)-oni; 1,2-bentsisotiatsolin-3-oni;1,2-bentsisotiatsolin-3-oni
Laji: Levä
Kesto: 72 h
Testi: EC50
Tulos: >0.1-1 mg/L

Saatavilla olevien tietojen perusteella luokituskriteerit eivät täyty.

12.2. Pysyvyys ja hajoavuus

Tuote/aineosa: Alcohol, C13, bran., EO, sulfate Na~
Tulos: > 60 %
Johtopäätös: Nopea biohajoavuus
Testi: OECD 301 B

Tuote/aineosa: Vetyperoksidiliuos 35%
Johtopäätös: Nopea biohajoavuus

Tuote/aineosa: 1,2-bentsisotiatsol-3(2H)-oni; 1,2-bentsisotiatsolin-3-oni;1,2-bentsisotiatsolin-3-oni
Tulos: 90%
Johtopäätös: Nopea biohajoavuus
Testi: OECD 302

Valmisteen sisältämä pinta-aktiivinen aine (aineet) täyttää pesuaineista annetun (EY):n asetuksen N:o 648/2004 mukaiset biologisen hajoavuuden kriteerit. Tiedot, jotka tukevat edellistä väittämää, pidetään jäsenmaiden toimivaltaisten viranomaisten saatavilla ja ne toimitetaan heille heidän pyynnöstään tai pesuainevalmistajan pyynnöstä.

12.3. Biokertyvyys

Tuote/aineosa: Vetyperoksidiliuos 35%
LogKow: -1,57
Johtopäätös: -

Tuote/aineosa: 1,2-bentsisotiatsol-3(2H)-oni; 1,2-bentsisotiatsolin-3-oni;1,2-bentsisotiatsolin-3-oni
Biologinen kertymistekijä: 2
LogKow: 1.45
Johtopäätös: Biokertyvyyden mahdollisuus on alhainen

12.4. Liikkuvuus maaperässä

Tietoja ei saatavilla.

12.5. PBT- ja vPvB-arvioinnin tulokset

Tämä seos/tuote ei sisällä aineita, jotka täyttäisivät PBT- ja/tai vPvB-aineiksi luokiteltavien aineiden kriteerit.

12.6. Hormonitoimintaa häiritsevät ominaisuudet

Tämä seos/tuote ei sisällä aineita, joilla katsotaan olevan hormonitoimintaa häiritseviä ominaisuuksia ympäristössä.

12.7. Muut haitalliset vaikutukset

Ei tunneta.

KOHTA 13: JÄTTEIDEN KÄSITTELYYN LIITTYVÄT NÄKÖKOHDAT

13.1. Jätteiden käsittelymenetelmät

Tämä tuote kuuluu vaarallisia jätteitä koskevan lainsäädännön piiriin. (*)

HP 4 - Ärsyttävä (ihoärsytys ja silmävauriot)

Komission asetus (EU) N:o 1357/2014 jätteistä ja tiettyjen direktiivien kumoamisesta annetun Euroopan parlamentin ja neuvoston direktiivin 2008/98/EY liitteen III korvaamisesta.

Eurooppalainen jättekoodi:

20 01 30

Muut kuin nimikkeessä 20 01 29 mainitut pesu- ja puhdistusaineet

Saastunut pakkaus

Pakkaukset, joissa on tuotteen jäämiä, hävitetään samojen määräysten mukaan kuin tuote.

KOHTA 14: KULJETUSTIEDOT

	14.1 YK-nro	14.2 Kuljetuksessa käytettävä virallinen nimi	14.3 Kuljetuksen vaaraluokat	14.4 PG*	14.5 Env**	Muut tiedot:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Pakkausryhmä

** Ympäristövaarat

Muuta

Ei vaarallinen tuote ADR-, IATA- ja IMDG-sääntöjen mukaan.

14.6. Erityiset varotoimet käyttäjälle

Ei sovellettavissa.

14.7. Merikuljetus irtolastina IMO:n asiakirjojen mukaisesti

Tietoja ei saatavilla.

KOHTA 15: LAINSÄÄDÄNTÖÄ KOSKEVAT TIEDOT

15.1. Nimenomaisesti ainetta tai seosta koskevat turvallisuus-, terveys- ja ympäristösäännökset tai -lainsäädäntö

Käyttörajoitukset:

Vain ammattikäyttöön.

Erityiskoulutusta koskevat vaatimukset:

Ei erityisvaatimuksia.

SEVESO - Vaarallisten aineiden kategoriat / Nimetyt vaaralliset aineet:

Ei sovellettavissa.

Asetus räjähteiden lähtöaineista:

Vetyperoksidiliuos 35% (Liite I)

Sisältöä koskevat merkinnät:

- >5% - <15%
- Ionittomat pinta-aktiiviset aineet
- < 5%
- Anioniset pinta-aktiiviset aineet
- Happipohjaiset valkaisuaineet
- Hajusteet
- Säilöntäaineet (BENZISOTHIAZOLINONE)

Muuta:

Valmisteen sisältämä pinta-aktiivinen aine (aineet) täyttää pesuaineista annetun (EY):n asetuksen N:o 648/2004 mukaiset biologisen hajoavuuden kriteerit. Tiedot, jotka tukevat edellistä väittämää, pidetään jäsenmaiden toimivaltaisten viranomaisten saatavilla ja ne toimitetaan heille heidän pyynnöstään tai pesuainevalmistajan pyynnöstä.

Lähteet:

Euroopan parlamentin ja neuvoston asetus (EY) N:o 648/2004 pesuaineista.
Komission asetus (EU) N:o 1357/2014 jätteistä ja tiettyjen direktiivien kumoamisesta annetun Euroopan parlamentin ja neuvoston direktiivin 2008/98/EY liitteen III korvaamisesta.
Euroopan parlamentin ja neuvoston asetus (EU) 2019/1148 räjähteiden lähtöaineiden markkinoille saattamisesta ja käytöstä.
Euroopan parlamentin ja neuvoston asetus (EY) N:o 1272/2008 aineiden ja seosten luokituksesta, merkinnöistä ja pakkaamisesta (CLP).
Euroopan parlamentin ja neuvoston asetus (EY) N:o 1907/2006 kemikaalien rekisteröinnistä, arvioinnista, lupamenettelyistä ja rajoituksista (REACH).

15.2. Kemikaaliturvallisuusarviointi

Ei

KOHTA 16: MUUT TIEDOT.

Kohdassa 3 mainitut H-lausekkeet täydellisessä sanamuodossaan

- H271, Aiheuttaa tulipalo- tai räjähdysvaaran; voimakkaasti hapettava.
- H302, Haitallista nieltynä.
- H314, Voimakkaasti ihoa syövyttävää ja silmiä vaurioittavaa.
- H315, Ärsyttää ihoa.
- H318, Vaurioittaa vakavasti silmiä.
- H319, Ärsyttää voimakkaasti silmiä.
- H332, Haitallista hengitettynä.
- H335, Saattaa aiheuttaa hengitysteiden ärsytystä.
- H336, Saattaa aiheuttaa uneliaisuutta ja huimausta.
- H412, Haitallista vesieliöille, pitkäaikaisia haittavaikutuksia.

Lyhenteet

- ADN = Eurooppalainen sopimus koskien vaarallisten aineiden kansainvälistä sisävesikuljetuksista
- ADR = Eurooppalainen sopimus vaarallisten aineiden maantiekuljetuksista
- AS = Altistumisskenaario
- ATE = Akuutin myrkyllisyyden estimaatti
- BCF = Biologinen kertymistekijä
- CAS = Kemikaalien tunnistenumerojärjestelmä
- CLP = Asetus kemikaalien luokituksesta, merkinnöistä ja pakkaamisesta [asetus (EU) No. 1272/2008]
- KTA = Kemikaaliturvallisuusarviointi
- KTR = Kemikaaliturvallisuusraportti
- DNEL = Johdettu vaikutukseton altistumistaso
- EINECS = Euroopan kaupallisessa käytössä olevien aineiden luettelo
- EUH-lausekkeet = CLP-asetuksen lisävaaralausekkeet
- EuPCS = Eurooppalainen tuoteluokitusjärjestelmä
- EWC = Euroopan jäteluettelo
- GHS = Kemikaalien yhdenmukaistettu luokitus- ja merkintäjärjestelmä
- GWP = Ilmaston lämmitysvaikutuspotentiaali

HTP = Haitalliseksi tunnettu pitoisuus
IATA = Kansainvälinen ilmakuljetusliitto
IBC = Intermediate Bulk Container, IBC-kontti
IMDG = Vaarallisten aineiden merikuljetus
MARPOL = Kansainvälinen sopimusmeren pilaantumisen ehkäisemisestä 73/78, ("Marpol" = marine pollution)
OECD = Taloudellisen yhteistyön ja kehityksen järjestö
PBT = Hitaasti hajoava, biokertyvä ja myrkyllinen
PNEC = Arvioitu vaikutukseton pitoisuus
RID = Kansainväliset rautatiekuljetusmääräykset
RRN = REACH-rekisteröintinumero
SCL = Erityinen pitoisuusraja
SVHC = Erityistä huolta aiheuttava aine
STOT-SE = Elinkohtainen myrkyllisyys - toistuva altistuminen
STOT-RE = Elinkohtainen myrkyllisyys - kerta-altistuminen
YK = Yhdistyneet kansakunnat
UVCB = Koostumukseltaan tuntematon tai vaihteleva aine, kompleksi reaktiotuote tai biologinen materiaali
VOC = Haihtuvat orgaaniset yhdisteet
vPvB = Erittäin hitaasti hajoava ja erittäin voimakkaasti biokertyvä "

Lisätietoja

Ei sovellettavissa.

Käyttöturvallisuustiedotteen on validoinut

Quality & Compliance

Muuta

Muutokset edelliseen merkittävään versioon (versionumeron ensimmäinen numero, kts. KTT:n kohta 1) merkitään sinisellä kolmiolla.

Tämän käyttöturvallisuustiedotteen tiedot koskevat vain kohdassa 1 mainittua tuotetta, eivätkä ne välttämättä koske käyttöä yhdessä muiden tuotteiden kanssa.

On suositeltavaa toimittaa tämä käyttöturvallisuustiedote tuotteen varsinaiselle käyttäjälle. Annettuja tietoja ei saa käyttää tuoteselosteena.

Maa-kieli: FI-fi

FICHE DE DONNÉES DE SÉCURITÉ

i.1 all-purpose cleaner FlexDose

RUBRIQUE 1: IDENTIFICATION DE LA SUBSTANCE/DU MÉLANGE ET DE LA SOCIÉTÉ/DE L'ENTREPRISE

1.1. Identificateur de produit

▼ *Marque commerciale:*

i.1 all-purpose cleaner FlexDose

1.2. Utilisations identifiées pertinentes de la substance ou du mélange et utilisations déconseillées

Utilisations identifiées pertinentes de la substance ou du mélange:

Produits de lavage et de nettoyage (y compris produits à base de solvants)

Réservé aux utilisateurs professionnels.

Utilisations déconseillées :

Aucune connue.

1.3. Renseignements concernant le fournisseur de la fiche de données de sécurité

Nom et adresse de l'entreprise:

Hygeniq B.V.

Postbus 618

7500 AP Enschede

The Netherlands

+31 53 4282860

+31 53 5393865

www.hygeniq.com

Courriel:

info@hygeniq.com

Révision:

27/06/2025

Version de la fiche de données de sécurité:

2.0

Date de la précédente édition:

02/06/2025 (1.0)

1.4. Numéro d'appel d'urgence

ORFILA: + 33 (0)1 45 42 59 59.

Ce numéro permet d'obtenir les coordonnées de tous les centres Anti-poison Français. Ces centres anti-poison et de toxicovigilance fournissent une aide médicale gratuite (hors coût d'appel), 24 heures sur 24 et 7 jours sur 7

Voir la rubrique 4 concernant les premiers secours.

RUBRIQUE 2: IDENTIFICATION DES DANGERS

2.1. Classification de la substance ou du mélange

Non classé selon le Règlement (CE) n° 1272/2008.

2.2. Éléments d'étiquetage

Pictogramme(s) de danger:

Sans objet.

Mention d'avertissement:

Sans objet.

Mention(s) de danger:

Sans objet.

Conseil(s) de prudence:

Générales:

-

Précautions:

-

Intervention:

-

Stockage:

-

Élimination:

-

Contient:

Ne contient pas de substances dont la déclaration est obligatoire

Autre étiquetage:

EUH210, Fiche de données de sécurité disponible sur demande.

Étiquetage du contenu conformément au règlement (CE) no 648/2004 relatif aux détergents (applicable aux emballages de détergents vendus au grand public):

>5% - <15%

· Agents de surface non ioniques

< 5%

· Agents de surface anioniques

· Agents de blanchiment oxygénés

· Parfums

· Agent de conservation (BENZISOTHIAZOLINONE)

2.3. Autres dangers

Autre:

Ce mélange/produit ne contient aucune substance considérée comme répondant aux critères de classification comme PBT et/ou vPvB.

Ce produit ne contient aucune substance considérée comme étant un perturbateur endocrinien conformément aux critères définis dans le règlement délégué (UE) 2017/2100 ou le règlement (UE) 2023/707 de la Commission.

RUBRIQUE 3: COMPOSITION/INFORMATIONS SUR LES COMPOSANTS

3.1. Substances

Sans objet. Ce produit est un mélange.

3.2. Mélanges

Produit/composant	Identifiants	% w/w	Classification	Note
Alcohol, C13, bran., EO, sulfate Na~	N° CAS : 150413-26-6 N° CE: 688-316-0 REACH: N° index :	1-3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 3, H412	
peroxyde d'hydrogène ; eau oxygénée	N° CAS : 7722-84-1 N° CE: 231-765-0 REACH: 01-2119485845-22-XXXX N° index : 008-003-00-9	1-3%	Ox. Liq. 1, H271 Acute Tox. 4, H302 Skin Corr. 1A, H314 (SCL: 70,00 %) Skin Corr. 1B, H314 (SCL: 50,00 %) Skin Irrit. 2, H315 (SCL: 35,00 %) Eye Dam. 1, H318 (SCL: 8,00 %)	

			Eye Irrit. 2, H319 (SCL: 5,00 %) Acute Tox. 4, H332 STOT SE 3, H336 (SCL: 35,00 %)	
citroenzuurmonohydraat	N° CAS : 5949-29-1 N° CE: 611-842-9 REACH: 01-2119457026-42-XXXX N° index :	<0.1%	Eye Irrit. 2, H319	
Disodium tin hexahydroxide	N° CAS : 12027-70-2 N° CE: 234-724-5 REACH: 01-2120770924-45-XXXX N° index :	<0.05%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	[1]

Le texte intégral des phrases H se trouve dans la rubrique 16. Les limites d'exposition professionnelle sont indiquées dans la rubrique 8, à condition d'être disponibles

Autres informations

[1] Limite européenne d'exposition professionnelle.

RUBRIQUE 4: PREMIERS SECOURS

4.1. Description des mesures de premiers secours

Généralités:

En cas d'accident : Contactez un médecin ou l'hôpital, apportez l'étiquette ou bien la présente fiche de données de sécurité.

En cas de symptômes persistants ou en cas de doute concernant l'état de la personne blessée, faites appel à un médecin. Ne donnez jamais à boire de l'eau ou autre liquide à une personne ayant perdu connaissance.

Inhalation:

En cas de difficultés respiratoires ou d'irritation des voies respiratoires : Amenez la personne à l'air frais et gardez la personne sous surveillance.

Contact cutané:

En cas d'irritation : rincez le produit. En cas d'irritation continue : Consultez un médecin.

Contact visuel:

En cas de contact avec les yeux: Rincez aussitôt avec de l'eau (20-30 °C) pendant 5 minutes. Retirez les éventuelles lentilles de contact de la victime . Demandez l'assistance d'un médecin.

Ingestion:

Si la personne est consciente, rincez-lui la bouche avec de l'eau et restez avec elle. Ne donnez jamais rien à boire à la personne. En cas de malaise : contactez immédiatement un médecin et apportez-lui la présente fiche de données de sécurité ou l'étiquette du produit. Ne faites pas vomir, à moins que le médecin ne le recommande. Maintenez la tête tournée vers le bas de manière à ce que les vomissures ne reviennent pas dans la bouche et la gorge.

Brûlure:

Sans objet.

4.2. Principaux symptômes et effets, aigus et différés

Aucune connue.

4.3. Indication des éventuels soins médicaux immédiats et traitements particuliers nécessaires

Traiter selon les symptômes.

Informations pour le médecin

Apportez la présente fiche de données de sécurité ou l'étiquette du produit.

RUBRIQUE 5: MESURES DE LUTTE CONTRE L'INCENDIE

5.1. Moyens d'extinction

Sans objet.

5.2. Dangers particuliers résultant de la substance ou du mélange

Le feu va dégager une épaisse fumée. L'exposition aux produits de décomposition représente un danger pour la santé. Les récipients fermés exposés au feu sont refroidis avec de l'eau. Ne laissez pas de l'eau ayant servi à éteindre l'incendie s'écouler dans les égouts et les cours d'eau.

Si le produit est exposé à de hautes températures, par exemple en cas d'incendie, de dangereux produits gazeux de décomposition peuvent être créés. Il s'agit de :

Les oxydes de carbone (CO / CO₂)

5.3. Conseils aux pompiers

Pas d'exigences particulières.

RUBRIQUE 6: MESURES À PRENDRE EN CAS DE DISPERSION ACCIDENTELLE

6.1. Précautions individuelles, équipement de protection et procédures d'urgence

Assurer une ventilation adéquate, en particulier dans les espaces confinés.

Les zones contaminées peuvent être glissantes.

6.2. Précautions pour la protection de l'environnement

Ne déversez pas dans les lacs, les ruisseaux, les égouts, etc.

Tenir les personnes non autorisées éloignées du déversement.

6.3. Méthodes et matériel de confinement et de nettoyage

Contenez et collectez les déversements avec un matériau absorbant non combustible, par exemple du sable, de la terre, de la vermiculite ou de la terre de diatomées, et placez-les dans un récipient pour les éliminer conformément aux réglementations locales.

Nettoyez autant que possible avec des produits de nettoyage ordinaires. Évitez les solvants.

6.4. Référence à d'autres rubriques

Voir la rubrique 13 "Considérations relatives à l'élimination" sur la manipulation des déchets.

Voir la rubrique 8 "Contrôles de l'exposition/protection individuelle" pour les mesures de protection.

RUBRIQUE 7: MANIPULATION ET STOCKAGE

7.1. Précautions à prendre pour une manipulation sans danger

La consommation de tabac, de nourriture et de boissons n'est pas permise dans les locaux de travail.

Voir la rubrique 8 «Contrôles de l'exposition/protection individuelle» pour des renseignements sur les dispositifs de protection individuelle.

7.2. Conditions d'un stockage sûr, y compris d'éventuelles incompatibilités

Les récipients ayant été ouverts doivent être refermés avec soin et maintenus en position verticale afin d'éviter les fuites.

Les compatibilités en matière de conditionnement:

Conserver uniquement dans l'emballage d'origine.

Conditions de stockage:

Sec, frais et bien ventilé

Matières incompatibles:

Acides forts, bases fortes, oxydants forts et des réducteurs forts.

7.3. Utilisation(s) finale(s) particulière(s)

Ce produit doit être utilisé exclusivement pour les applications décrites la rubrique 1.2.

RUBRIQUE 8: CONTRÔLES DE L'EXPOSITION/PROTECTION INDIVIDUELLE

8.1. Paramètres de contrôle

peroxyde d'hydrogène ; eau oxygénée

Valeur limite (8 heures) (VLEP) (mg/m³): 1,5

Valeur limite (8 heures) (VLEP) (ppm): 1

Valeurs limites d'exposition professionnelle (VLEP) 06/2024.

DNEL

1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one

Durée :	Voie d'exposition :	DNEL :
Effets systématiques à long terme - population globale	Cutanée	0.345 mg/kg
Effets systématiques à long terme - Travailleurs	Cutanée	966 µg/kg/jour
Effets systématiques à long terme - population globale	Inhalation	1.2 mg/m³
Effets systématiques à long terme - Travailleurs	Inhalation	6.81 mg/m³

Disodium tin hexahydroxide

Durée :	Voie d'exposition :	DNEL :
Effets systématiques à long terme - population globale	Cutanée	1.21 mg/kg/jour
Effets systématiques à long terme - Travailleurs	Cutanée	3.37 mg/kg/jour
Effets systématiques à long terme - population globale	Inhalation	1.78 mg/m³
Effets systématiques à long terme - Travailleurs	Inhalation	11.9 mg/m³
Effets systématiques à long terme - population globale	Orale	1.21 mg/kg/jour

peroxyde d'hydrogène ; eau oxygénée

Durée :	Voie d'exposition :	DNEL :
Effets locaux à court terme - population globale	Inhalation	1.93 mg/m³
Effets locaux à court terme - Travailleurs	Inhalation	3 mg/m³
Effets locaux à long terme - population globale	Inhalation	0.21 mg/m³
Effets locaux à long terme - population globale	Inhalation	210 µg/m³
Effets locaux à long terme - Travailleurs	Inhalation	1.4 mg/m³

PNEC

1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one

Voie d'exposition :	Durée d'exposition :	PNEC :
Eau de mer		403 ng/L
Eau douce		4.03 µg/L
Emission intermittente (eau douce)		1.1 µg/L
Installation de traitement des eaux usées		1.03 mg/L
Rejets intermittents (eau de marines)		110 ng/L
Sédiments en eau de marines		4.99 µg/kg
Sédiments en eau douce		49.9 µg/kg
Sol		3 mg/kg

Disodium tin hexahydroxide

Voie d'exposition :	Durée d'exposition :	PNEC :

Eau de mer		3.31 µg/L
Eau douce		33.1 µg/L
Emission intermittente (eau douce)		331 µg/L
Installation de traitement des eaux usées		10 mg/L
Rejets intermittents (eau de marines)		33.1 µg/L
Sédiments en eau de marines		139.46 µg/kg
Sédiments en eau douce		1.395 mg/kg

peroxyde d'hydrogène ; eau oxygénée

Voie d'exposition :	Durée d'exposition :	PNEC :
Eau de mer		0,047 mg/L
Eau de mer		12.6 µg/L
Eau douce		0,0126 mg/L
Eau douce		12.6 µg/L
Emission intermittente (eau douce)		13.8 µg/L
Installation de traitement des eaux usées		4.66 mg/L
Installation de traitement des eaux usées		4.66 mg/L
Sédiments en eau de marines		0,047 mg/L
Sédiments en eau de marines		47 µg/kg
Sédiments en eau douce		0,047 mg/kg
Sédiments en eau douce		47 µg/kg
Sol		0,023 mg/kg
Sol		2.3 µg/kg

8.2. Contrôles de l'exposition

Le respect des valeurs limites indiquées doit être contrôlé régulièrement.

Précautions générales:

La consommation de tabac, de nourriture et de boissons n'est pas permise dans les locaux de travail.

Scénarios d'exposition:

Aucun scénario d'exposition n'est mis en œuvre pour ce produit.

Limite d'exposition:

Les utilisateurs professionnels sont concernés par la législation sur l'environnement de travail qui concerne les concentrations maximales auxquelles il est permis d'être exposé. Voir les valeurs limites d'hygiène de travail indiquées ci-dessus.

Mesures techniques:

La formation de vapeur doit être minimale et rester sous les valeurs limites actuelles (voir ci-dessus). Si l'aération n'est pas suffisante dans la pièce, l'installation d'un système local de ventilation est recommandée. Assurez-vous que les douches oculaires et les douches d'urgence sont clairement indiquées.

Suivez les précautions habituelles quand vous utilisez le produit. Évitez de respirer les vapeurs.

Mesures d'hygiène:

A chaque pause lors de l'utilisation du produit et une fois le travail terminé, les parties exposées du corps doivent être lavées. Porter une attention particulière aux mains, aux avant-bras et au visage.

Mesures pour la limitation de l'exposition à l'environnement:

Pas d'exigences particulières.

Mesures de protection individuelle, telles que les équipement de protection personnelle

Généralités:

Utilisez exclusivement des équipements de protection comportant la marque CE.

Équipements respiratoires:

Type	Classe	Couleur	Normes	
Rien de spécial quand utilisé tel que prévu.				

Protection de la peau:

Recommandé	Type/Catégorie	Normes	
Rien de spécial quand utilisé tel que prévu	-	-	

Protection des mains:

Situation de travail	Matériel	Épaisseur minimum (mm)	Délai de rupture (min.)	Normes	
	Rien de spécial quand utilisé tel que prévu	-	-	-	
En cas d'exposition prolongée ou de concentration élevée	Coton / Caoutchouc naturel	-	> 120	EN374-2, EN16523-1, EN388	

Protection des yeux:

Situation de travail	Type	Normes	
	Rien de spécial quand utilisé tel que prévu.	-	
En cas d'exposition prolongée ou de concentration élevée	Porter des lunettes de sécurité avec protections latérales.	EN166	

RUBRIQUE 9: PROPRIÉTÉS PHYSIQUES ET CHIMIQUES

9.1. Informations sur les propriétés physiques et chimiques essentielles

Etat physique:

Liquide

Couleur:

Incolore

Odeur / Seuil olfactif (ppm):

De parfum

pH:

ca. 4.8

Densité (g/cm³):

1,02 (20 °C)

Viscosité cinématique:

Aucune information disponible.

Caractéristiques des particules:

Ne s'applique pas aux liquides.

Changement d'état

Point de fusion/point de congélation (°C):

Aucune information disponible.

Le point/l'intervalle de ramollissement (°C):

Ne s'applique pas aux liquides.

Point d'ébullition (°C):

Aucune information disponible.

Pression de vapeur:

Aucune information disponible.

Densité de vapeur relative :

Aucune information disponible.

Température de décomposition (°C):

Aucune information disponible.

Informations concernant les risques d'explosion et d'incendie

Point d'éclair (°C):

Aucune information disponible.

Inflammabilité (°C):

Aucune information disponible.

Température d'auto-inflammation (°C):

Aucune information disponible.

Limite d'explosivité (% v/v):

Aucune information disponible.

Solubilité

Solubilité dans l'eau:

Complètement soluble

n-octanol/coefficient d'eau (LogKow):

Aucune information disponible.

Solubilité dans la graisse (g/L):

Aucune information disponible.

9.2. Autres informations

D'autres paramètres physiques et chimiques:

Aucune information disponible.

Capacités oxydantes:

Aucune information disponible.

RUBRIQUE 10: STABILITÉ ET RÉACTIVITÉ

10.1. Réactivité

Aucune information disponible.

10.2. Stabilité chimique

Le produit est stable dans les conditions indiquées à la rubrique 7 (Manipulation et stockage).

10.3. Possibilité de réactions dangereuses

Aucune connue.

10.4. Conditions à éviter

Aucune connue.

10.5. Matières incompatibles

Acides forts, bases fortes, oxydants forts et des réducteurs forts.

10.6. Produits de décomposition dangereux

Dans des conditions normales de stockage et d'utilisation, aucun produit de décomposition dangereux ne doit être produit.

RUBRIQUE 11: INFORMATIONS TOXICOLOGIQUES

11.1. Informations sur les classes de danger telles que définies dans le règlement (CE) n° 1272/2008

Toxicité aiguë

Produit/composant	peroxyde d'hydrogène ; eau oxygénée
Espèce :	Rat

Voie d'exposition : Orale
Test : DL50
Valeur : 1.193 - 1.270 mg/L

Produit/composant : peroxyde d'hydrogène ; eau oxygénée
Espèce : Lapin
Voie d'exposition : Cutanée
Test : DL50
Valeur : >2.000 (35% oplossing) mg/kg

Produit/composant : 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one
Espèce : Rat
Voie d'exposition : Orale
Test : DL50
Valeur : 500 mg/kg

Compte tenu des données disponibles, les critères de classification ne sont pas remplis.

Corrosion cutanée/irritation cutanée

Produit/composant : peroxyde d'hydrogène ; eau oxygénée
Valeur : Effets nocifs observés (Irritant)

Produit/composant : 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one
Méthode d'essai : OCDE 404
Valeur : Effets nocifs observés (Irritant)

Compte tenu des données disponibles, les critères de classification ne sont pas remplis.

Lésions oculaires graves/irritation oculaire

Produit/composant : peroxyde d'hydrogène ; eau oxygénée
Valeur : Effets nocifs observés (Provoque de graves lésions des yeux)

Produit/composant : 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one
Méthode d'essai : OCDE 405
Valeur : Effets nocifs observés (Provoque de graves lésions des yeux)

Compte tenu des données disponibles, les critères de classification ne sont pas remplis.

Sensibilisation respiratoire

Produit/composant : peroxyde d'hydrogène ; eau oxygénée
Valeur : Aucun effet nocif observé (pas sensibilisant)

Compte tenu des données disponibles, les critères de classification ne sont pas remplis.

Sensibilisation cutanée

Produit/composant : 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one
Méthode d'essai : OCDE 429
Espèce : Souris
Valeur : Effets nocifs observés (sensibilisant)

Produit/composant : 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one
Méthode d'essai : OCDE 406
Espèce : Cochon d'Inde
Valeur : Effets nocifs observés (sensibilisant)

Compte tenu des données disponibles, les critères de classification ne sont pas remplis.

Mutagénicité sur les cellules germinales

Compte tenu des données disponibles, les critères de classification ne sont pas remplis.

Cancérogénicité

Produit/composant : peroxyde d'hydrogène ; eau oxygénée
Conclusion : Aucun effet nocif observé

Compte tenu des données disponibles, les critères de classification ne sont pas remplis.

Toxicité pour la reproduction

Produit/composant : peroxyde d'hydrogène ; eau oxygénée
Conclusion : Aucun effet nocif observé

Compte tenu des données disponibles, les critères de classification ne sont pas remplis.

Toxicité spécifique pour certains organes cibles — exposition unique

Compte tenu des données disponibles, les critères de classification ne sont pas remplis.

Toxicité spécifique pour certains organes cibles – exposition répétée

Compte tenu des données disponibles, les critères de classification ne sont pas remplis.

Danger par aspiration

Produit/composant : peroxyde d'hydrogène ; eau oxygénée
Compte tenu des données disponibles, les critères de classification ne sont pas remplis.

11.2. Informations sur les autres dangers

Effets sur le long terme

Aucune connue.

Propriétés perturbant le système endocrinien

Ce mélange/produit ne contient aucune substance considérée comme ayant des propriétés qui provoquent des troubles hormonaux vis-à-vis de la santé.

Autres informations

peroxyde d'hydrogène ; eau oxygénée : La substance a été classée dans le groupe 3 par le CIRC.

RUBRIQUE 12: INFORMATIONS ÉCOLOGIQUES

12.1. Toxicité

Produit/composant : peroxyde d'hydrogène ; eau oxygénée
Espèce : Poisson, Pimephales promelas
Durée : 96 heures
Test : CL50
Valeur : 16,4 mg/L

Produit/composant : peroxyde d'hydrogène ; eau oxygénée
Espèce : Poisson, Leuciscus idus
Durée : 72 heures
Test : CL50
Valeur : 35 mg/L

Produit/composant : peroxyde d'hydrogène ; eau oxygénée
Espèce : Poisson, Oncorhynchus mykiss
Durée : 7 jours
Test : CL50
Valeur : 38,5 mg/L

Produit/composant : peroxyde d'hydrogène ; eau oxygénée
Espèce : Daphnia pulex
Durée : 48 heures
Test : CE50
Valeur : 2,4 mg/L

Produit/composant : peroxyde d'hydrogène ; eau oxygénée
Espèce : Daphnia magna
Durée : 24 heures
Test : CE50
Valeur : 7,7 mg/L

Produit/composant : peroxyde d'hydrogène ; eau oxygénée
Espèce : Skeletonema costatum
Durée : 72 heures
Test : CE50

Valeur : 1,38 mg/L

Produit/composant : peroxyde d'hydrogène ; eau oxygénée
Méthode d'essai : OCDE 209
Espèce : Bactéries
Milieu environnemental : Installation à boue activé
Durée : 30 minutes
Test : CE50
Valeur : 466 mg/L

Produit/composant : peroxyde d'hydrogène ; eau oxygénée
Méthode d'essai : OCDE 209
Espèce : Bactéries
Milieu environnemental : Installation à boue activé
Durée : 3 heures
Test : CE50
Valeur : > 1.000 mg/L

Produit/composant : 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one
Espèce : Poisson
Durée : 96 heures
Test : CL50
Valeur : >0.1-1 mg/L

Produit/composant : 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one
Espèce : Crustacés
Durée : 48 heures
Test : CE50
Valeur : >0.1-1 mg/L

Produit/composant : 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one
Espèce : Algues
Durée : 72 heures
Test : CE50
Valeur : >0.1-1 mg/L

Compte tenu des données disponibles, les critères de classification ne sont pas remplis.

12.2. Persistance et dégradabilité

Produit/composant : Alcohol, C13, bran., EO, sulfate Na~
Valeur : > 60 %
Conclusion : Biodégradabilité facile
Test : OCDE 301 B

Produit/composant : peroxyde d'hydrogène ; eau oxygénée
Conclusion : Biodégradabilité facile

Produit/composant : 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one
Valeur : 90%
Conclusion : Biodégradabilité facile
Test : OECD 302

Le(s) agent(s) de surface contenu(s) dans cette préparation respecte(nt) les critères de biodégradabilité définis dans le règlement (CE) no 648/2004 relatif aux détergents. Les données prouvant cette affirmation sont tenues à la disposition des autorités compétentes des Etats Membres et leur seront fournies à leur demande expresse ou à la demande du producteur de détergents.

12.3. Potentiel de bioaccumulation

Produit/composant : peroxyde d'hydrogène ; eau oxygénée
LogKow : -1,57
Conclusion : -

Produit/composant	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one
BCF:	2
LogKow :	1.45
Conclusion :	Le potentiel de bioaccumulation est faible

12.4. Mobilité dans le sol

Aucune information disponible.

12.5. Résultats des évaluations PBT et vPvB

Ce mélange/produit ne contient aucune substance considérée comme répondant aux critères de classification comme PBT et/ou vPvB.

12.6. Propriétés perturbant le système endocrinien

Ce mélange/produit ne contient pas de composants considérés comme ayant des propriétés perturbatrices du système endocrinien

12.7. Autres effets néfastes

Aucune connue.

RUBRIQUE 13: CONSIDÉRATIONS RELATIVES À L'ÉLIMINATION

13.1. Méthodes de traitement des déchets

Le produit est couvert par la réglementation sur les déchets dangereux. (*)

HP 4 - Irritant (irritation cutanée et lésions oculaires)

Règlement (UE) n° 1357/2014 de la Commission du 18 décembre 2014 relative aux déchets.

Code CED:

20 01 30

Détergents autres que ceux visés à la rubrique 20 01 29

Emballages pollués

Les emballages avec des résidus de produit sont éliminés en suivant les mêmes règles que pour le produit lui-même.

RUBRIQUE 14: INFORMATIONS RELATIVES AU TRANSPORT

	14.1 ONU	14.2 Désignation officielle de transport	14.3 Classe(s) de danger pour le transport	14.4 PG*	14.5. Env**	Autres information s :
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Groupe d'emballage

** Dangers pour l'environnement

Autre

Marchandises non dangereuses conformément à ADR, IATA et IMDG.

14.6. Précautions particulières à prendre par l'utilisateur

Sans objet.

14.7. Transport maritime en vrac conformément aux instruments de l'OMI

Aucune information disponible.

RUBRIQUE 15: INFORMATIONS RELATIVES À LA RÉGLEMENTATION

15.1. Réglementations/législation particulières à la substance ou au mélange en matière de sécurité, de santé et d'environnement

Limites d'utilisation:

Réservé aux utilisateurs professionnels.

Demandes de formation spécifique:

Pas d'exigences particulières.

Protection contre les accidents majeurs - Catégories / Substances dangereuses désignées:

Sans objet.

Règlement relatif aux précurseurs d'explosifs:

peroxyde d'hydrogène ; eau oxygénée (Annexe I)

Étiquetage du contenu conformément au règlement (CE) no 648/2004 relatif aux détergents:

>5% - <15%

· Agents de surface non ioniques

< 5%

· Agents de surface anioniques

· Agents de blanchiment oxygénés

· Parfums

· Agent de conservation (BENZISOTHIAZOLINONE)

Autre:

Le(s) agent(s) de surface contenu(s) dans cette préparation respecte(nt) les critères de biodégradabilité définis dans le règlement (CE) no 648/2004 relatif aux détergents. Les données prouvant cette affirmation sont tenues à la disposition des autorités compétentes des Etats Membres et leur seront fournies à leur demande expresse ou à la demande du producteur de détergents.

Sources:

Règlement (CE) n° 648/2004 du Parlement européen et du Conseil du 31 mars 2004 relatif aux détergents.

Règlement (UE) n° 1357/2014 de la Commission du 18 décembre 2014 relative aux déchets.

Règlement (UE) 2019/1148 relatif aux précurseurs d'explosifs.

Règlement (CE) n° 1272/2008 du Parlement européen et du Conseil du 16 décembre 2008 relatif à la classification, à l'étiquetage et à l'emballage des substances et des mélanges (CLP).

Règlement (CE) n° 1907/2006 du Parlement européen et du Conseil du 18 décembre 2006 concernant l'enregistrement, l'évaluation et l'autorisation des substances chimiques, ainsi que les restrictions applicables à ces substances (REACH).

15.2. Évaluation de la sécurité chimique

Non

RUBRIQUE 16: AUTRES INFORMATIONS

Précisions sur les phrases H dont il est question dans la rubrique 3

H271, Peut provoquer un incendie ou une explosion; comburant puissant.

H302, Nocif en cas d'ingestion.

H314, Provoque de graves brûlures de la peau et de graves lésions des yeux.

H315, Provoque une irritation cutanée.

H318, Provoque de graves lésions des yeux.

H319, Provoque une sévère irritation des yeux.

H332, Nocif par inhalation.

H335, Peut irriter les voies respiratoires.

H336, Peut provoquer somnolence ou vertiges.

H412, Nocif pour les organismes aquatiques, entraîne des effets néfastes à long terme.

Abréviations et acronymes

ADN = Accord européen relatif au transport international des marchandises Dangereuses par voie de Navigation intérieure

ADR = L'Accord européen relatif au transport international des marchandises Dangereuses par Route

CAS = Chemical Abstracts Service

CE = Conformité Européenne

CVI = Conteneurs en Vrac Intermédiaires

CLP = Règlement 1272/2008/CE relatif à la classification, à l'étiquetage et à l'emballage des substances et des mélanges

COV = Composés Organiques Volatils

CPSE = Concentration Prédite Sans Effet
CSA = Evaluation de la Sécurité Chimique
CSR = Rapport sur la Sécurité Chimique
DMEL = Dose dérivée avec effet minimum
DNEL = Dose dérivée sans effet
ds = les déchets spéciaux
EINECS = Inventaire européen des substances chimiques commerciales existantes
ETA = Estimation de la Toxicité Aiguë
EuPCS = Système européen de catégorisation des produits
FBC = Facteur de Bioconcentration
Mention EUH = mention de danger spécifique CLP
IARC = Le Centre international de Recherche sur le Cancer (CIRC)
IATA = Association Internationale du Transport Aérien
code IMDG = code maritime international des marchandises dangereuses
LogK_{ow} = Coefficient de partage octanol/eau
MARPOL = Convention internationale pour la prévention de la pollution par les navires de 1973, telle que modifiée par le Protocole de 1978. ("MARPOL" = pollution maritime)
NU = Nations Unies
OCDE = Organisation de Coopération et de Développement Economiques
PBT = Persistantes, Bioaccumulables et Toxiques
PRP = Le potentiel de réchauffement planétaire
REACH = Règlement sur l'enregistrement, l'évaluation, l'autorisation et les restrictions des substances chimiques [Règlement (CE) N° 1907/2006]
RID = Règlement concernant le transport International ferroviaire des marchandises Dangereuses
RRN = Numéro d'enregistrement REACH
sc = les autres déchets soumis à contrôle
scd = autres déchets soumis à contrôle qui nécessitent un document de suivi
SCL = Limite de concentration spécifique (LCS).
SE = Scénario d'Exposition
SGH = Système Général Harmonisé de classification et d'étiquetage des produits chimiques
SVHC = Substances extrêmement préoccupantes
TDAA = Température de décomposition auto-accélérée
vPvB = Très Persistant et très Bioaccumulable
TSOC-ER = Toxicité Spécifique pour certains Organes Cibles - Exposition Répétée
TSOC-EU = Toxicité Spécifique pour certains Organes Cibles - Exposition Unique
TWA = Moyenne pondérée dans le temps
UVBC = Substances de composition inconnue ou variable, produits de réaction complexes ou matières biologiques

Autre

Sans objet.

Validé par

Quality & Compliance

Autre

Les modifications par rapport à la dernière révision importante (premiers chiffres dans la fiche, voir rubrique 1) de cette fiche de données de sécurité sont repérées par un triangle.
Les informations de la présente fiche de données de sécurité sont seulement valables pour ce produit (indiqué à la rubrique 1) et ne sont pas nécessairement valables pour l'utilisation d'autres produits/produits chimiques.
Il est recommandé de donner cette fiche de données de sécurité à l'utilisateur effectif du produit. Les informations de ce document ne peuvent pas être utilisées comme spécification du produit.
Pays-langue : FR-fr

SAFETY DATA SHEET

i.1 all-purpose cleaner FlexDose

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

▼ *Trade name:*

i.1 all-purpose cleaner FlexDose

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses of the substance or mixture:

Washing and cleaning products (including solvent based products)
Restricted to professional users.

Uses advised against :

None known.

1.3. Details of the supplier of the safety data sheet

Company and address:

Hygeniq B.V.
Postbus 618
7500 AP Enschede
The Netherlands
+31 53 4282860
+31 53 5393865
www.hygeniq.com

E-mail:

info@hygeniq.com

Revision:

27/06/2025

SDS Version:

2.0

Date of previous version:

02/06/2025 (1.0)

1.4. Emergency telephone number

Healthcare professionals: Dial 0344 892 0111 to reach The National Poisons Information Service (NPIS) (24 hour service)

General public:

England - Dial 111 to reach NHS 111 (24 hour service)

Scotland - Dial 112 to reach NHS 24 (24 hour service)

Wales - Dial 111 or 0845 4647 to reach NHS Direct (24 hour service)

See section 4 "First aid measures".

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Not classified according to Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.

2.2. Label elements

Hazard pictogram(s):
Not applicable.

Signal word:
Not applicable.

Hazard statement(s):
Not applicable.

Precautionary statement(s):

General:

-

Prevention:

-

Response:

-

Storage:

-

Disposal:

-

Hazardous substances:

Does not contain any substances required to report

Additional labelling:

EUH210, Safety data sheet available on request.

Labelling of contents according to Detergents Regulation (EC) No 648/2004 as retained and amended in UK law:

>5% - <15%

· Non-ionic surfactants

< 5%

· Anionic surfactants

· Oxygen-based bleaching Agents

· Perfumes

· Preservation agent (BENZISOTHIAZOLINONE)

2.3. Other hazards

Additional warnings:

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2023/707.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable. This product is a mixture.

3.2. Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
Alcohol, C13, bran., EO, sulfate Na~	CAS No.: 150413-26-6 EC No.: 688-316-0 UK-REACH: Index No.:	1-3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 3, H412	
hydrogen peroxide	CAS No.: 7722-84-1 EC No.: 231-765-0 UK-REACH: Index No.: 008-003-00-9	1-3%	Ox. Liq. 1, H271 Acute Tox. 4, H302 Skin Corr. 1A, H314 (SCL: 70.00 %) Skin Corr. 1B, H314 (SCL: 50.00 %)	

			Skin Irrit. 2, H315 (SCL: 35.00 %) Eye Dam. 1, H318 (SCL: 8.00 %) Eye Irrit. 2, H319 (SCL: 5.00 %) Acute Tox. 4, H332 STOT SE 3, H336 (SCL: 35.00 %)	
citroenzuurmonohydraat	CAS No.: 5949-29-1 EC No.: 611-842-9 UK-REACH: Index No.:	<0.1%	Eye Irrit. 2, H319	
Disodium tin hexahydroxide	CAS No.: 12027-70-2 EC No.: 234-724-5 UK-REACH: Index No.:	<0.05%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	[1]

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information

[1] European occupational exposure limit.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General information:

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet.
Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

Inhalation:

Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

Skin contact:

Upon irritation: rinse with water. In the event of continued irritation, seek medical assistance.

Eye contact:

If in eyes: Flush eyes with water or saline water (20-30 °C) for at least 5 minutes. Remove contact lenses. Seek medical assistance and continue flushing during transport.

Ingestion:

If the person is conscious, rinse the mouth with water and stay with the person. Never give the person anything to drink.

In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the person lean forward with head down to avoid inhalation of or choking on vomited material.

Burns:

Not applicable.

4.2. Most important symptoms and effects, both acute and delayed

None known.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

Information to medics

Bring this safety data sheet or the label from this product.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Not applicable.

5.2. Special hazards arising from the substance or mixture

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

Carbon oxides (CO / CO₂)

5.3. Advice for firefighters

No specific requirements.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation, especially in confined areas.

Contaminated areas may be slippery.

6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.

Keep unauthorized persons away from the spill

6.3. Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections

See section 13 "Disposal considerations" on handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Smoking, drinking and consumption of food is not allowed in the work area.

See section 8 "Exposure controls/personal protection" for information on personal protection.

7.2. Conditions for safe storage, including any incompatibilities

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Recommended storage material:

Keep only in original packaging.

Storage conditions:

Dry, cool and well ventilated

Incompatible materials:

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

hydrogen peroxide

Long term exposure limit (8 hours) (ppm): 1
 Long term exposure limit (8 hours) (mg/m³): 1,4
 Short term exposure limit (15 minutes) (ppm): 2
 Short term exposure limit (15 minutes) (mg/m³): 2,8

The Control of Substances Hazardous to Health Regulations 2002. SI 2002/2677 The Stationery Office 2002.
 EH40/2005 Workplace exposure limits (Fourth Edition 2020).

DNEL

1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	0.345 mg/kg
Long term – Systemic effects - Workers	Dermal	966 µg/kg bw/day
Long term – Systemic effects - General population	Inhalation	1.2 mg/m ³
Long term – Systemic effects - Workers	Inhalation	6.81 mg/m ³

Disodium tin hexahydroxide

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	1.21 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	3.37 mg/kg bw/day
Long term – Systemic effects - General population	Inhalation	1.78 mg/m ³
Long term – Systemic effects - Workers	Inhalation	11.9 mg/m ³
Long term – Systemic effects - General population	Oral	1.21 mg/kg bw/day

hydrogen peroxide

Duration:	Route of exposure:	DNEL:
Long term – Local effects - General population	Inhalation	0,21 mg/m ³
Long term – Local effects - General population	Inhalation	210 µg/m ³
Long term – Local effects - Workers	Inhalation	1.4 mg/m ³
Short term – Local effects - General population	Inhalation	1.93 mg/m ³
Short term – Local effects - Workers	Inhalation	3 mg/m ³

PNEC

1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		4.03 µg/L
Freshwater sediment		49.9 µg/kg
Intermittent release (freshwater)		1.1 µg/L
Intermittent release (marine water)		110 ng/L
Marine water		403 ng/L
Marine water sediment		4.99 µg/kg
Sewage treatment plant		1.03 mg/L
Soil		3 mg/kg

Disodium tin hexahydroxide

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		33.1 µg/L
Freshwater sediment		1.395 mg/kg
Intermittent release (freshwater)		331 µg/L

Intermittent release (marine water)		33.1 µg/L
Marine water		3.31 µg/L
Marine water sediment		139.46 µg/kg
Sewage treatment plant		10 mg/L

hydrogen peroxide

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		0,0126 mg/L
Freshwater		12.6 µg/L
Freshwater sediment		0,047 mg/kg
Freshwater sediment		47 µg/kg
Intermittent release (freshwater)		13.8 µg/L
Marine water		0,047 mg/L
Marine water		12.6 µg/L
Marine water sediment		0,047 mg/L
Marine water sediment		47 µg/kg
Sewage treatment plant		4.66 mg/L
Sewage treatment plant		4.66 mg/L
Soil		0,023 mg/kg
Soil		2.3 µg/kg

8.2. Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

General recommendations:

Smoking, drinking and consumption of food is not allowed in the work area.

Exposure scenarios:

There are no exposure scenarios implemented for this product.

Exposure limits:

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

Appropriate technical measures:

The formation of vapours must be kept at a minimum and below current limit values (see above). Installation of a local exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure eyewash and emergency showers are clearly marked.

Apply standard precautions during use of the product. Avoid inhalation of vapours.

Hygiene measures:

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Pay special attention to hands, forearms and face.

Measures to avoid environmental exposure:

No specific requirements.

Individual protection measures, such as personal protective equipment

Generally:

Use only UKCA marked protective equipment.

Respiratory Equipment:

Type	Class	Colour	Standards	
No special when used as intended.				

Skin protection:

Recommended	Type/Category	Standards	
No special when used as intended.	-	-	

Hand protection:

Work situation	Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
	No special when used as intended	-	-	-	
In the event of prolonged exposure or high concentrations	Cotton/Latex	-	> 120	EN374-2, EN16523-1, EN388	

Eye protection:

Work situation	Type	Standards	
	No special when used as intended.	-	
In the event of prolonged exposure or high concentrations	Safety glasses with side shields.	EN166	

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state:

Liquid

Colour:

Colourless

Odour / Odour threshold:

Of perfume

pH:

ca. 4.8

Density (g/cm³):

1.02 (20 °C)

Kinematic viscosity:

No data available.

Particle characteristics:

Does not apply to liquids.

Phase changes

Melting point/Freezing point (°C):

No data available.

Softening point/range (°C):

Does not apply to liquids.

Boiling point (°C):

No data available.

Vapour pressure:

No data available.

Relative vapour density:

No data available.

Decomposition temperature (°C):

No data available.

Data on fire and explosion hazards

Flash point (°C):

No data available.

Flammability (°C):

No data available.

Auto-ignition temperature (°C):

No data available.

Lower and upper explosion limit (% v/v):

No data available.

Solubility

Solubility in water:

Completely soluble

n-octanol/water coefficient (LogKow):

No data available.

Solubility in fat (g/L):

No data available.

9.2. Other information

Oxidizing properties:

No data available.

Other physical and chemical parameters:

No data available.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

10.2. Chemical stability

The product is stable under the conditions, noted in section 7 "Handling and storage".

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008 as retained and amended in UK law

Acute toxicity

Product/substance	hydrogen peroxide
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	1.193 - 1.270 mg/L

Product/substance	hydrogen peroxide
Species:	Rabbit
Route of exposure:	Dermal

Test:	LD50
Result:	>2.000 (35% oplossing) mg/kg

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	500 mg/kg

Based on available data, the classification criteria are not met.

Skin corrosion/irritation

Product/substance	hydrogen peroxide
Result:	Adverse effect observed (Irritating)

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Test method:	OECD 404
Result:	Adverse effect observed (Irritating)

Based on available data, the classification criteria are not met.

Serious eye damage/irritation

Product/substance	hydrogen peroxide
Result:	Adverse effect observed (Causes serious eye damage)

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Test method:	OECD 405
Result:	Adverse effect observed (Causes serious eye damage)

Based on available data, the classification criteria are not met.

Respiratory sensitisation

Product/substance	hydrogen peroxide
Result:	No adverse effect observed (not sensitising)

Based on available data, the classification criteria are not met.

Skin sensitisation

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Test method:	OECD 429
Species:	Mouse
Result:	Adverse effect observed (sensitising)

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Test method:	OECD 406
Species:	Guinea pig
Result:	Adverse effect observed (sensitising)

Based on available data, the classification criteria are not met.

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Product/substance	hydrogen peroxide
Conclusion:	No adverse effect observed

Based on available data, the classification criteria are not met.

Reproductive toxicity

Product/substance	hydrogen peroxide
Conclusion:	No adverse effect observed

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Product/substance hydrogen peroxide

Based on available data, the classification criteria are not met.

11.2. Information on other hazards

Long term effects

None known.

Endocrine disrupting properties

This mixture/product does not contain any substances known to have hormone-disrupting properties in relation to health.

Other information

hydrogen peroxide has been classified by IARC as a group 3 carcinogen.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Product/substance hydrogen peroxide
Species: Fish, Pimephales promelas
Duration: 96 hours
Test: LC50
Result: 16,4 mg/L

Product/substance hydrogen peroxide
Species: Fish, Leuciscus idus
Duration: 72 hours
Test: LC50
Result: 35 mg/L

Product/substance hydrogen peroxide
Species: Fish, Oncorhynchus mykiss
Duration: 7 days
Test: LC50
Result: 38,5 mg/L

Product/substance hydrogen peroxide
Species: Daphnia pulex
Duration: 48 hours
Test: EC50
Result: 2,4 mg/L

Product/substance hydrogen peroxide
Species: Daphnia magna
Duration: 24 hours
Test: EC50
Result: 7,7 mg/L

Product/substance hydrogen peroxide
Species: Skeletonema costatum
Duration: 72 hours
Test: EC50
Result: 1,38 mg/L

Product/substance hydrogen peroxide
Test method: OECD 209
Species: Bacteria
Compartment: Activated Sludge Plant
Duration: 30 minutes
Test: EC50

Result: 466 mg/L

Product/substance: hydrogen peroxide
Test method: OECD 209
Species: Bacteria
Compartment: Activated Sludge Plant
Duration: 3 hours
Test: EC50
Result: > 1.000 mg/L

Product/substance: 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Species: Fish
Duration: 96 hours
Test: LC50
Result: >0.1-1 mg/L

Product/substance: 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Species: Crustacean
Duration: 48 hours
Test: EC50
Result: >0.1-1 mg/L

Product/substance: 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Species: Algae
Duration: 72 hours
Test: EC50
Result: >0.1-1 mg/L

Based on available data, the classification criteria are not met.

12.2. Persistence and degradability

Product/substance: Alcohol, C13, bran., EO, sulfate Na~
Result: > 60 %
Conclusion: Readily biodegradable
Test: OECD 301 B

Product/substance: hydrogen peroxide
Conclusion: Readily biodegradable

Product/substance: 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Result: 90%
Conclusion: Readily biodegradable
Test: OECD 302

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No 648/2004 on detergents as retained and amended in UK law. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

12.3. Bioaccumulative potential

Product/substance: hydrogen peroxide
LogKow: -1,57
Conclusion: -

Product/substance: 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
BCF: 2
LogKow: 1.45
Conclusion: Potential for bioaccumulation is low

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

12.6. Endocrine disrupting properties

This mixture/product does not contain any substances considered to have endocrine-disrupting properties in relation to the environment.

12.7. Other adverse effects

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

Product is covered by the regulations on hazardous waste. (*)

HP 4 - Irritant (skin irritation and eye damage)

Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.

EWC code

20 01 30 Detergents other than those mentioned in 20 01 29

Specific labelling

Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: TRANSPORT INFORMATION

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other informatio n:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Packing group

** Environmental hazards

Additional information

Not dangerous goods according to ADR, IATA and IMDG.

14.6. Special precautions for user

Not applicable.

14.7. Maritime transport in bulk according to IMO instruments

No data available.

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Restrictions for application:

Restricted to professional users.

Demands for specific education:

No specific requirements.

Control of Major Accident Hazards (COMAH) - Categories / dangerous substances:

Not applicable.

Regulation on explosives precursors:

hydrogen peroxide (Annex I)

Labelling of contents according to Detergents Regulation (EC) No 648/2004 as retained and amended in UK law:

- >5% - <15%
- Non-ionic surfactants
- < 5%
- Anionic surfactants
- Oxygen-based bleaching Agents
- Perfumes
- Preservation agent (BENZISOTHIAZOLINONE)

Additional information:

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No 648/2004 on detergents as retained and amended in UK law. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

Sources:

Regulation (EC) No 648/2004 on detergents as retained and amended in UK law.
Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.
Council Regulation (EC) No 2019/1148 on explosives precursors as retained and amended in UK law.
Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP) as retained and amended in UK law.
Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) as retained and amended in UK law.

15.2. Chemical safety assessment

No

SECTION 16: OTHER INFORMATION

Full text of H-phrases as mentioned in section 3

H271, May cause fire or explosion; strong oxidiser.
H302, Harmful if swallowed.
H314, Causes severe skin burns and eye damage.
H315, Causes skin irritation.
H318, Causes serious eye damage.
H319, Causes serious eye irritation.
H332, Harmful if inhaled.
H335, May cause respiratory irritation.
H336, May cause drowsiness or dizziness.
H412, Harmful to aquatic life with long lasting effects.

Abbreviations and acronyms

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway
ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
CAS = Chemical Abstracts Service
CE = Conformité Européenne (European conformity)
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
CSA = Chemical Safety Assessment
CSR = Chemical Safety Report
DMEL = Derived Minimal Effect Level
DNEL = Derived No Effect Level
EINECS = European Inventory of Existing Commercial chemical Substances
ES = Exposure Scenario
EUH statement = CLP-specific Hazard statement
EuPCS = European Product Categorisation System
EWC = European Waste Catalogue
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
GWP = Global warming potential
IARC = International Agency for Research on Cancer (IARC)
IATA = International Air Transport Association

IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
OECD = Organisation for Economic Co-operation and Development
PBT = Persistent, Bioaccumulative and Toxic
PNEC = Predicted No Effect Concentration
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
RRN = REACH Registration Number
SCL = A specific concentration limit
SVHC = Substances of Very High Concern
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
STOT-SE = Specific Target Organ Toxicity - Single Exposure
TWA = Time weighted average
UN = United Nations
UVBC = Unknown or variable composition, complex reaction products or of biological materials
VOC = Volatile Organic Compound
vPvB = Very Persistent and Very Bioaccumulative

Additional information

Not applicable.

The safety data sheet is validated by

Quality & Compliance

Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

Country-language: GB-en

ΔΕΛΤΙΟ ΔΕΔΟΜΕΝΩΝ ΑΣΦΑΛΕΙΑΣ

i.1 all-purpose cleaner FlexDose

ΤΜΗΜΑ 1: ΑΝΑΓΝΩΡΙΣΤΙΚΌΣ ΚΩΔΙΚΌΣ ΟΥΣΊΑΣ/ΜΕΊΓΜΑΤΟΣ ΚΑΙ ΕΠΙΧΕΊΡΗΣΗΣ

1.1. Αναγνωριστικός κωδικός προϊόντος

▼ Εμπορική ονομασία:
i.1 all-purpose cleaner FlexDose

1.2. Συναφείς προσδιοριζόμενες χρήσεις της ουσίας ή του μείγματος και αντενδεικνυόμενες χρήσεις

Αντίστοιχες εξακριβωμένες χρήσεις της ουσίας ή του μείγματος:
Απορρυπαντικά και καθαριστικά (συμπεριλαμβανομένων των διαλυτικών)
Μόνο για επαγγελματική χρήση.

Αντενδεικνυόμενες:
καμία γνωστή.

1.3. Στοιχεία του προμηθευτή του δελτίου δεδομένων ασφαλείας

Εταιρεία και διεύθυνση:

Hygeniq B.V.
Postbus 618
7500 AP Enschede
The Netherlands
+31 53 4282860
+31 53 5393865
www.hygeniq.com

Ηλεκτρονική διεύθυνση:
info@hygeniq.com

Αναθεώρηση:
27/6/2025

Έκδοση SDS:
2.0

Ημερομηνία προηγούμενης έκδοσης:
2/6/2025 (1.0)

1.4. Αριθμός τηλεφώνου επείγουσας ανάγκης

Τηλ. Κέντρου Δηλητηριάσεων: (+30) 210 7793777 (24ωρο, 7 ημέρες την εβδομάδα) / Email:
poison_ic@aglaiaikyriakou.gr
Δείτε τμήμα 4 "Μέτρα πρώτων βοηθειών"

ΤΜΗΜΑ 2: ΠΡΟΣΔΙΟΡΙΣΜΌΣ ΕΠΙΚΙΝΔΥΝΌΤΗΤΑΣ

2.1. Ταξινόμηση της ουσίας ή του μείγματος

Δεν ταξινομείται σύμφωνα με τον Κανονισμό (ΕΚ) Αρ. 1272/2008 (CLP)

2.2. Στοιχεία ετικέτας

Εικονόγραμμα/εικονογράμματα κινδύνου:
Δεν εφαρμόζεται

Προειδοποιητική λέξη:
Δεν εφαρμόζεται

Δήλωση (Δηλώσεις) κινδύνου:

Δεν εφαρμόζεται

Δήλωση/δηλώσεις προφυλάξεων:

Γενικά:

-

Πρόληψη:

-

Αντίδραση:

-

Αποθήκευση:

-

Απόρριψη:

-

Ταυτότητα των ουσιών που είναι πρωταρχικά υπεύθυνες για τους μείζονες κινδύνους για την υγεία:

Δεν περιέχει ουσίες που απαιτείται να αναφερθούν

Επιπρόσθετος χαρακτηρισμός:

EUH210, Δελτίο δεδομένων ασφαλείας παρέχεται εφόσον ζητηθεί.

Σήμανση περιεχομένου σύμφωνα με τον κανονισμό περί απορρυπαντικών 648/2004 (ισχύει για τις συσκευασίες απορρυπαντικών που πωλούνται στο ευρύ κοινό):

>5% - <15%

· Μη ιονικές επιφανειοδραστικές ουσίες

< 5%

· Ανιονικές επιφανειοδραστικές ουσίες

· Λευκαντικοί παράγοντες με βάση το οξυγόνο

· Αρωματικές ουσίες

· Συντηρητικό (BENZISOTHIAZOLINONE)

2.3. Άλλοι κίνδυνοι

Επιπρόσθετες προειδοποιήσεις:

Αυτό το μείγμα/προϊόν δεν περιέχει ουσίες που θεωρείται ότι πληρούν τα κριτήρια ταξινόμησης τους ως ABT και/ή αΑαΒ.

Το προϊόν δεν περιέχει ουσίες που αξιολογούνται ως ενδοκρινικοί διαταράκτες σύμφωνα με τα κριτήρια του κατ' εξουσιοδότηση κανονισμού (ΕΕ) 2017/2100 της Επιτροπής ή του κανονισμού (ΕΕ) 2023/707 της Επιτροπής.

ΤΜΗΜΑ 3: Σ'ΥΝΘΕΣΗ/ΠΛΗΡΟΦΟΡ'ΙΕΣ ΓΙΑ ΤΑ ΣΥΣΤΑΤΙΚΑ

3.1. Ουσίες

Δεν εφαρμόζεται. Αυτό το προϊόν είναι ένα μείγμα.

3.2. Μείγματα

Όνομα ουσίας	Αναγνωριστικοί κωδικοί	% w/w	Ταξινόμηση	Σημειώσεις
Alcohol, C13, bran., EO, sulfate Na~	Αριθ. CAS.: 150413-26-6 Αριθ. ΕΚ: 688-316-0 REACH: Αριθ. ευρετηρίου:	1-3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 3, H412	
διάλυμα υπεροξειδίου του υδρογόνου 35%	Αριθ. CAS.: 7722-84-1 Αριθ. ΕΚ: 231-765-0 REACH: 01-2119485845-22-XXXX Αριθ. ευρετηρίου: 008-003-00-9	1-3%	Ox. Liq. 1, H271 Acute Tox. 4, H302 Skin Corr. 1A, H314 (SCL: 70,00 %) Skin Corr. 1B, H314 (SCL: 50,00 %) Skin Irrit. 2, H315 (SCL: 35,00 %) Eye Dam. 1, H318 (SCL: 8,00 %) Eye Irrit. 2, H319 (SCL: 5,00 %)	

			Acute Tox. 4, H332 STOT SE 3, H336 (SCL: 35,00 %)	
citroenzuurmonohydraat	Αριθ. CAS.: 5949-29-1 Αριθ. ΕΚ: 611-842-9 REACH: 01-2119457026-42-XXXX Αριθ. ευρετηρίου:	<0.1%	Eye Irrit. 2, H319	
Disodium tin hexahydroxide	Αριθ. CAS.: 12027-70-2 Αριθ. ΕΚ: 234-724-5 REACH: 01-2120770924-45-XXXX Αριθ. ευρετηρίου:	<0.05%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	[1]

Δείτε το πλήρες κείμενο των Δηλώσεων κινδύνων (H Statements) στο τμήμα 16. Τα όρια έκθεσης στο χώρο εργασίας παρατίθενται στο τμήμα 8, εφόσον είναι διαθέσιμα.

Άλλες πληροφορίες

[1] Ευρωπαϊκό όριο επαγγελματικής έκθεσης.

ΤΜΗΜΑ 4: ΜΈΤΡΑ ΠΡΏΤΩΝ ΒΟΗΘΕΙΩΝ

4.1. Περιγραφή των μέτρων πρώτων βοηθειών

Γενικές πληροφορίες:

Σε περίπτωση ατυχήματος: Επικοινωνήστε με έναν γιατρό ή με τις πρώτες βοήθειες και έχετε μαζί σας την ετικέτα ή αυτό το δελτίο δεδομένων ασφαλείας.

Επικοινωνήστε με έναν γιατρό εάν έχετε αμφιβολίες για την κατάσταση του τραυματία ή εάν τα συμπτώματα επιμένουν. Μην δίνετε ποτέ νερό ή άλλο υγρό σε αναίσθητο άτομο.

Εισπνοή:

Σε περίπτωση δυσκολιών ή ερεθισμών της αναπνευστικής οδού: Μεταφέρετε το επηρεασμένο άτομο στον καθαρό αέρα και παραμείνετε μαζί του/της.

Επαφή με το δέρμα:

Σε περίπτωση ερεθισμού: Ξεπλύνετε με νερό. Αν ο ερεθισμός συνεχίζεται, ζητήστε ιατρική βοήθεια.

Επαφή με τα μάτια:

ΣΕ ΠΕΡΙΠΤΩΣΗ ΕΠΑΦΗΣ ΜΕ ΤΑ ΜΑΤΙΑ: Ξεπλύνετε τα μάτια με νερό (20-30 °C) για τουλάχιστον 5 λεπτά. Αφαιρέστε τυχόν φακούς επαφής. Ζητήστε ιατρική βοήθεια και συνεχίστε να ξεπλένετε κατά τη μεταφορά.

Κατάποση:

Εάν το άτομο έχει τις αισθήσεις του, ξεπλύνετε και καθαρίστε το στόμα με νερό και κρατήστε το άτομο υπό παρακολούθηση. Σε περίπτωση αδιαθεσίας, ζητήστε αμέσως ιατρική συμβουλή και έχετε διαθέσιμο το δελτίο δεδομένων ασφαλείας ή την ετικέτα του προϊόντος. Μην προκαλείτε εμετό, εκτός εάν σας το συστήσει ο γιατρός. Τοποθετήστε το θύμα με τρόπο ώστε το κεφάλι να γέρνει προς τα εμπρός και προς τα κάτω για να αποφύγετε την εισπνοή ή τον πνιγμό από τυχόν εμετό.

Εγκαύματα:

Δεν εφαρμόζεται

4.2. Σημαντικότερα συμπτώματα και επιδράσεις, άμεσες ή μεταγενέστερες

καμία γνωστή.

4.3. Ένδειξη οιασδήποτε απαιτούμενης άμεσης ιατρικής φροντίδας και ειδικής θεραπείας

Αντιμετωπίστε συμπτωματικά.

Ιατρικές πληροφορίες

Έχετε διαθέσιμο το δελτίο δεδομένων ασφαλείας ή την ετικέτα του προϊόντος.

ΤΜΗΜΑ 5: ΜΈΤΡΑ ΓΙΑ ΤΗΝ ΚΑΤΑΠΟΛΈΜΗΣΗ ΤΗΣ ΠΥΡΚΑΓΊΑΣ

5.1. Πυροσβεστικά μέσα

Δεν εφαρμόζεται

5.2. Ειδικοί κίνδυνοι που προκύπτουν από την ουσία ή το μείγμα

Η πυρκαγιά θα έχει ως αποτέλεσμα πυκνό καπνό. Η έκθεση σε προϊόντα καύσης μπορεί να βλάψει την υγεία σας. Οι κλειστοί περιέκτες που εκτίθενται στη φωτιά, πρέπει να ψύχονται με νερό. Μην επιτρέπετε στο νερό κατάσβεσης να εισχωρεί στο αποχετευτικό σύστημα και στα κοντινά επιφανειακά νερά.

Εάν το προϊόν εκτεθεί σε υψηλές θερμοκρασίες, όπως π.χ. σε περίπτωση πυρκαγιάς, παράγονται επικίνδυνες ενώσεις αποσύνθεσης. Αυτές είναι:

Οξείδια του άνθρακα (CO / CO₂).

5.3. Συστάσεις για τους πυροσβέστες

Δεν υπάρχουν συγκεκριμένες απαιτήσεις

ΤΜΗΜΑ 6: ΜΈΤΡΑ ΓΙΑ ΤΗΝ ΑΝΤΙΜΕΤΨΩΠΙΣΗ ΤΥΧΑΪΑΣ ΈΚΛΥΣΗΣ

6.1. Προσωπικές προφυλάξεις, προστατευτικός εξοπλισμός και διαδικασίες έκτακτης ανάγκης

Εξασφαλίστε επαρκή αερισμό, ειδικά σε περιορισμένους χώρους.

Οι μολυσμένες περιοχές μπορεί να είναι ολισθηρές.

6.2. Περιβαλλοντικές προφυλάξεις

Αποφύγετε την απόρριψη σε λίμνες, ρυάκια, υπονόμους κλπ.

Κρατήστε τα μη εξουσιοδοτημένα άτομα μακριά από τη στάλαγμα

6.3. Μέθοδοι και υλικά για περιορισμό και καθαρισμό

Οι διαρροές περιορίζονται και συλλέγονται με μη εύφλεκτο απορροφητικό υλικό, π.χ. άμμος, χώμα, βερμικουλίτης, γη διατόμων και τοποθετούνται σε δοχείο και απορρίπτονται σύμφωνα με τους ισχύοντες κανονισμούς.

Στο μέτρο του δυνατού, ο καθαρισμός πραγματοποιείται με κανονικά καθαριστικά. Αποφύγετε τη χρήση διαλυτών.

6.4. Παραπομπή σε άλλα τμήματα

Δείτε στο τμήμα 13 "Στοιχεία σχετικά με τη διάθεση" όσον αφορά το χειρισμό των αποβλήτων.

Δείτε στο τμήμα 8 «Έλεγχος έκθεσης/ατομική προστασία» για πληροφορίες σχετικά με τα προστατευτικά μέτρα.

ΤΜΗΜΑ 7: ΧΕΙΡΙΣΜΌΣ ΚΑΙ ΑΠΟΘΉΚΕΥΣΗ

7.1. Προφυλάξεις για ασφαλή χειρισμό

Δεν επιτρέπεται το κάπνισμα, το ποτό και η κατανάλωση φαγητού στον χώρο εργασίας.

Δείτε στο τμήμα 8 «Έλεγχος έκθεσης/ατομική προστασία» για πληροφορίες σχετικά με την προσωπική προστασία.

7.2. Συνθήκες για την ασφαλή φύλαξη, συμπεριλαμβανομένων τυχόν ασυμβίβαστων

Τα δοχεία που έχουν ανοιχτεί πρέπει να επανασφραγίζονται προσεκτικά και να διατηρούνται σε όρθια θέση για να αποφευχθεί η διαρροή.

Απαιτήσεις συσκευασίας:

Να διατηρείται μόνο στην αρχική συσκευασία.

Συνθήκες αποθήκευσης:

Ξηρό, δροσερό και με καλό αερισμό

Μη συμβατά υλικά:

Δυνατά οξέα, ισχυρές βάσεις, δυνατά οξειδωτικά μέσα και δυνατοί παράγοντες καταβολισμού.

7.3. Ειδική τελική χρήση ή χρήσεις

Αυτό το προϊόν πρέπει να χρησιμοποιείται μόνο για εφαρμογές που αναφέρονται στο τμήμα 1.2.

ΤΜΗΜΑ 8: ΈΛΕΓΧΟΣ ΤΗΣ ΈΚΘΕΣΗΣ/ΑΤΟΜΙΚΉ ΠΡΟΣΤΑΣΊΑ

8.1. Παράμετροι ελέγχου

διάλυμα υπεροξειδίου του υδρογόνου 35%

Όριο μακροχρόνιας έκθεσης (8 ώρες) (ppm): 1

Όριο μακροχρόνιας έκθεσης (8 ώρες) (mg/m³): 1,4

Ανώτατη Οριακή Τιμή έκθεσης (δεκαπεντάλεπτης περιόδου) (mg/m³): 3

ΟΡΙΑΚΕΣ ΤΙΜΕΣ ΕΚΘΕΣΗΣ ΧΗΜΙΚΩΝ ΠΑΡΑΓΟΝΤΩΝ & ΔΕΙΚΤΕΣ ΒΙΟΛΟΓΙΚΗΣ ΕΚΘΕΣΗΣ ΣΕ ΧΗΜΙΚΟΥΣ ΠΑΡΑΓΟΝΤΕΣ 2019 (Ελληνική νομοθεσία).

DNEL (Παράγωγο επίπεδο χωρίς επιπτώσεις)

1,2-βενζοϊσοθειαζολ-3(2H)-όνη· 1,2-βενζοϊσοθειαζολιν-3-όνη

Διάρκεια:	Οδός έκθεσης:	DNEL:
Μακροπρόθεσμα - Συστημικές επιδράσεις - Γενικός πληθυσμός	Δερματική	0.345 mg/kg
Μακροπρόθεσμα - Συστημικές επιδράσεις - Υπάλληλοι	Δερματική	966 µg/kg/ημέρα
Μακροπρόθεσμα - Συστημικές επιδράσεις - Γενικός πληθυσμός	Εισπνοή	1.2 mg/m ³
Μακροπρόθεσμα - Συστημικές επιδράσεις - Υπάλληλοι	Εισπνοή	6.81 mg/m ³

Disodium tin hexahydroxide

Διάρκεια:	Οδός έκθεσης:	DNEL:
Μακροπρόθεσμα - Συστημικές επιδράσεις - Γενικός πληθυσμός	Δερματική	1.21 mg/kg/ημέρα
Μακροπρόθεσμα - Συστημικές επιδράσεις - Υπάλληλοι	Δερματική	3.37 mg/kg/ημέρα
Μακροπρόθεσμα - Συστημικές επιδράσεις - Γενικός πληθυσμός	Εισπνοή	1.78 mg/m ³
Μακροπρόθεσμα - Συστημικές επιδράσεις - Υπάλληλοι	Εισπνοή	11.9 mg/m ³
Μακροπρόθεσμα - Συστημικές επιδράσεις - Γενικός πληθυσμός	Στοματική	1.21 mg/kg/ημέρα

διάλυμα υπεροξειδίου του υδρογόνου 35%

Διάρκεια:	Οδός έκθεσης:	DNEL:
Βραχυπρόθεσμα - Τοπικές επιδράσεις - Γενικός πληθυσμός	Εισπνοή	1.93 mg/m ³
Βραχυπρόθεσμα - Τοπικές επιδράσεις - Υπάλληλοι	Εισπνοή	3 mg/m ³
Μακροπρόθεσμα - Τοπικές επιδράσεις - Γενικός πληθυσμός	Εισπνοή	0.21 mg/m ³
Μακροπρόθεσμα - Τοπικές επιδράσεις - Γενικός πληθυσμός	Εισπνοή	210 µg/m ³
Μακροπρόθεσμα - Τοπικές επιδράσεις - Υπάλληλοι	Εισπνοή	1.4 mg/m ³

PNEC (Προβλεπόμενη συγκέντρωση χωρίς επιπτώσεις)

1,2-βενζοϊσοθειαζολ-3(2H)-όνη· 1,2-βενζοϊσοθειαζολιν-3-όνη

Οδός έκθεσης:	Διάρκεια Έκθεσης:	PNEC:
Γλυκό νερό		4.03 µg/L
Θαλασσινό νερό		403 ng/L
Ίζημα γλυκού νερού		49.9 µg/kg
Ίζημα θαλασσινού νερού		4.99 µg/kg
Περιοδική απελευθέρωση (Γλυκό νερό)		1.1 µg/L
Περιοδική απελευθέρωση (Θαλασσινό νερό)		110 ng/L
Σταθμός Ενεργού Ιλύος		1.03 mg/L
Χώμα		3 mg/kg

Disodium tin hexahydroxide

Οδός έκθεσης:	Διάρκεια Έκθεσης:	PNEC:
Γλυκό νερό		33.1 µg/L
Θαλασσινό νερό		3.31 µg/L
Ίζημα γλυκού νερού		1.395 mg/kg
Ίζημα θαλασσινού νερού		139.46 µg/kg
Περιοδική απελευθέρωση (Γλυκό νερό)		331 µg/L
Περιοδική απελευθέρωση (Θαλασσινό νερό)		33.1 µg/L

Σταθμός Ενεργού Ιλύος	10 mg/L

διάλυμα υπεροξειδίου του υδρογόνου 35%

Οδός έκθεσης:	Διάρκεια Έκθεσης:	PNEC:
Γλυκό νερό		0,0126 mg/L
Γλυκό νερό		12.6 µg/L
Θαλασσινό νερό		0,047 mg/L
Θαλασσινό νερό		12.6 µg/L
Ίζημα γλυκού νερού		0,047 mg/kg
Ίζημα γλυκού νερού		47 µg/kg
Ίζημα θαλασσινού νερού		0,047 mg/L
Ίζημα θαλασσινού νερού		47 µg/kg
Περιοδική απελευθέρωση (Γλυκό νερό)		13.8 µg/L
Σταθμός Ενεργού Ιλύος		4.66 mg/L
Σταθμός Ενεργού Ιλύος		4.66 mg/L
Χώμα		0,023 mg/kg
Χώμα		2.3 µg/kg

8.2. Έλεγχοι έκθεσης

Η συμμόρφωση με τις ισχύουσες οριακές τιμές επαγγελματικής έκθεσης θα πρέπει να ελέγχεται σε τακτική βάση.

Γενικές συστάσεις:

Δεν επιτρέπεται το κάπνισμα, το ποτό και η κατανάλωση φαγητού στον χώρο εργασίας.

Σενάρια έκθεσης:

Δεν εφαρμόζονται τα σενάρια έκθεσης για αυτό το προϊόν.

Όρια έκθεσης:

Οι επαγγελματίες χρήστες υπόκεινται στις νομικά καθορισμένες μέγιστες συγκεντρώσεις επαγγελματικής έκθεσης. Δείτε παραπάνω τις οριακές τιμές υγιεινής της εργασίας.

Κατάλληλα τεχνικά μέτρα:

Ο σχηματισμός ατμών πρέπει να διατηρείται στο ελάχιστο και κάτω από τις ισχύουσες οριακές τιμές (βλ. παραπάνω). Συνιστάται η εγκατάσταση τοπικού συστήματος εξάτμισης εάν η κανονική ροή αέρα στο χώρο εργασίας δεν είναι επαρκής. Βεβαιωθείτε ότι το πλύσιμο ματιών έκτακτης ανάγκης και τα ντους είναι ευδιάκριτα. Εφαρμόστε τυπικές προφυλάξεις κατά τη χρήση του προϊόντος. Αποφύγετε την εισπνοή ατμών.

Μέτρα υγιεινής:

Μετά από τη χρήση του προϊόντος και στο τέλος της εργάσιμης ημέρας, όλες οι εκτεθειμένες περιοχές του σώματος πρέπει να πλένονται σχολαστικά. Να δίνετε ιδιαίτερη προσοχή στα χέρια, τους αντιβραχίονες και το πρόσωπο.

Μέτρα προς αποφυγή περιβαλλοντικής έκθεσης:

Δεν υπάρχουν συγκεκριμένες απαιτήσεις

Ξεχωριστά μέτρα προστασίας όπως ατομικός προστατευτικός εξοπλισμός

Γενικά:

Χρησιμοποιείτε μόνο προστατευτικό εξοπλισμό με σήμανση CE.

Αναπνευστική συσκευή:

Τύπος	Κατηγορία	Χρώμα	Πρότυπα
Τίποτα το ιδιαίτερο, όταν χρησιμοποιείται όπως ενδείκνυται.			

Προστασία του δέρματος:

Συστήνεται	Τύπου/Κατηγορίας	Πρότυπα
Τίποτα το ιδιαίτερο,	-	-

Συστήνεται	Τύπου/Κατηγορίας	Πρότυπα	
όταν χρησιμοποιείται όπως ενδείκνυται			

Προστασία των χεριών:

Κατάσταση εργασίας	Υλικό γαντιών	Πάχος γαντιών (mm)	χρόνοι αντοχής (λεπτά)	Πρότυπα	
	Τίποτα το ιδιαίτερο, όταν χρησιμοποιείται όπως ενδείκνυται	-	-	-	
Σε περίπτωση παρατεταμένης έκθεσης ή υψηλών συγκεντρώσεων	βαμβάκι / Φυσικό λάστιχο (λάτεξ)	-	> 120	EN374-2, EN16523-1, EN388	

Προστασία για τα μάτια:

Κατάσταση εργασίας	Τύπος	Πρότυπα	
	Τίποτα το ιδιαίτερο, όταν χρησιμοποιείται όπως ενδείκνυται.	-	
Σε περίπτωση παρατεταμένης έκθεσης ή υψηλών συγκεντρώσεων	Γυαλιά ασφαλείας με πλαϊνά προστατευτικά.	EN166	

ΤΜΗΜΑ 9: ΦΥΣΙΚΈΣ ΚΑΙ ΧΗΜΙΚΈΣ ΙΔΙΌΤΗΤΕΣ

9.1. Στοιχεία για τις βασικές φυσικές και χημικές ιδιότητες

Φυσική κατάσταση:

Υγρό

Χρώμα:

Άχρωμο

Οσμή / Όριο οσμής (ppm):

Από άρωμα

pH:

ca. 4.8

Πυκνότητα (g/cm³):

1,02 (20 °C)

Κινηματικό ιξώδες:

Δεν υπάρχουν διαθέσιμα δεδομένα.

Χαρακτηριστικά σωματιδίων:

Δεν εφαρμόζεται για υγρά.

Αλλαγές φάσης

Σημείο τήξεως/σημείο πήξεως (°C):

Δεν υπάρχουν διαθέσιμα δεδομένα.

Σημείο/εύρος μαλάκυνσης (°C):

Δεν εφαρμόζεται για υγρά.

Σημείο βρασμού (°C):

Δεν υπάρχουν διαθέσιμα δεδομένα.

Πίεση ατμού:

Δεν υπάρχουν διαθέσιμα δεδομένα.

Σχετική πυκνότητα ατμών :

Δεν υπάρχουν διαθέσιμα δεδομένα.

Θερμοκρασία αποσύνθεσης (°C):

Δεν υπάρχουν διαθέσιμα δεδομένα.

Δεδομένα για τους κινδύνους πυρκαγιάς και έκρηξης

Σημείο ανάφλεξης (°C):

Δεν υπάρχουν διαθέσιμα δεδομένα.

Ευφλεκτότητα (°C):

Δεν υπάρχουν διαθέσιμα δεδομένα.

Θερμοκρασία αυτανάφλεξης (°C):

Δεν υπάρχουν διαθέσιμα δεδομένα.

Όρια αναφλεξιμότητας (% v/v):

Δεν υπάρχουν διαθέσιμα δεδομένα.

Διαλυτότητα

Διαλυτότητα στο νερό:

Πλήρως διαλυτή

Συντελεστής κατανομής σε *n*-οκτανόλη/νερό (LogKow):

Δεν υπάρχουν διαθέσιμα δεδομένα.

Διαλυτότητα στο λίπος (g/L):

Δεν υπάρχουν διαθέσιμα δεδομένα.

9.2. Άλλες πληροφορίες

Άλλες φυσικές και χημικές παράμετροι:

Δεν υπάρχουν διαθέσιμα δεδομένα.

Ιδιότητες οξείδωσης:

Δεν υπάρχουν διαθέσιμα δεδομένα.

ΤΜΗΜΑ 10: ΣΤΑΘΕΡΌΤΗΤΑ ΚΑΙ ΑΝΤΙΔΡΑΣΤΙΚΌΤΗΤΑ

10.1. Δραστικότητα

Δεν υπάρχουν διαθέσιμα δεδομένα.

10.2. Χημική σταθερότητα

Το προϊόν είναι σταθερό υπό τις συνθήκες που αναφέρονται στο τμήμα 7 «Χειρισμός και αποθήκευση».

10.3. Πιθανότητα επικίνδυνων αντιδράσεων

καμία γνωστή.

10.4. Συνθήκες προς αποφυγήν

καμία γνωστή.

10.5. Μη συμβατά υλικά

Δυνατά οξέα, ισχυρές βάσεις, δυνατά οξειδωτικά μέσα και δυνατοί παράγοντες καταβολισμού.

10.6. Επικίνδυνα προϊόντα αποσύνθεσης

Υπό κανονικές συνθήκες αποθήκευσης και χρήσης, δεν θα πρέπει να παράγονται επικίνδυνα προϊόντα αποσύνθεσης.

ΤΜΗΜΑ 11: ΤΟΞΙΚΟΛΟΓΙΚΈΣ ΠΛΗΡΟΦΟΡΊΕΣ

11.1. Πληροφορίες για τις τάξεις κινδύνου, όπως ορίζονται στον κανονισμό (ΕΚ) αριθ. 1272/2008

Οξεία τοξικότητα

Όνομα ουσίας	διάλυμα υπεροξειδίου του υδρογόνου 35%
Είδος:	Επίμυς
Οδός έκθεσης:	Στοματική
Έλεγχος:	LD50
Αποτέλεσμα:	1.193 - 1.270 mg/L

Όνομα ουσίας	διάλυμα υπεροξειδίου του υδρογόνου 35%
Είδος:	Κουνέλι
Οδός έκθεσης:	Δερματική
Έλεγχος:	LD50
Αποτέλεσμα:	>2.000 (35% oplossing) mg/kg

Όνομα ουσίας	1,2-βενζοϊσοθειαζολ-3(2H)-όνη· 1,2-βενζοϊσοθειαζολιν-3-όνη
Είδος:	Επίμυς
Οδός έκθεσης:	Στοματική
Έλεγχος:	LD50
Αποτέλεσμα:	500 mg/kg

Βάσει των διαθέσιμων δεδομένων, τα κριτήρια ταξινόμησης δεν πληρούνται.

Διάβρωση και ερεθισμός του δέρματος*

Όνομα ουσίας	διάλυμα υπεροξειδίου του υδρογόνου 35%
Αποτέλεσμα:	Παρατηρήθηκαν δυσμενείς επιπτώσεις (Ερεθισμός)

Όνομα ουσίας	1,2-βενζοϊσοθειαζολ-3(2H)-όνη· 1,2-βενζοϊσοθειαζολιν-3-όνη
Μέθοδος ελέγχου:	ΟΟΣΑ 404
Αποτέλεσμα:	Παρατηρήθηκαν δυσμενείς επιπτώσεις (Ερεθισμός)

Βάσει των διαθέσιμων δεδομένων, τα κριτήρια ταξινόμησης δεν πληρούνται.

Σοβαρή βλάβη/ερεθισμός των ματιών*

Όνομα ουσίας	διάλυμα υπεροξειδίου του υδρογόνου 35%
Αποτέλεσμα:	Παρατηρήθηκαν δυσμενείς επιπτώσεις (Προκαλεί σοβαρή οφθαλμική βλάβη)

Όνομα ουσίας	1,2-βενζοϊσοθειαζολ-3(2H)-όνη· 1,2-βενζοϊσοθειαζολιν-3-όνη
Μέθοδος ελέγχου:	ΟΟΣΑ 405
Αποτέλεσμα:	Παρατηρήθηκαν δυσμενείς επιπτώσεις (Προκαλεί σοβαρή οφθαλμική βλάβη)

Βάσει των διαθέσιμων δεδομένων, τα κριτήρια ταξινόμησης δεν πληρούνται.

Ευαισθητοποίηση του αναπνευστικού

Όνομα ουσίας	διάλυμα υπεροξειδίου του υδρογόνου 35%
Αποτέλεσμα:	Δεν παρατηρήθηκαν δυσμενείς επιπτώσεις (Δεν Μη)

Βάσει των διαθέσιμων δεδομένων, τα κριτήρια ταξινόμησης δεν πληρούνται.

Ευαισθητοποίηση του δέρματος

Όνομα ουσίας	1,2-βενζοϊσοθειαζολ-3(2H)-όνη· 1,2-βενζοϊσοθειαζολιν-3-όνη
Μέθοδος ελέγχου:	ΟΟΣΑ 429
Είδος:	Μυς
Αποτέλεσμα:	Παρατηρήθηκαν δυσμενείς επιπτώσεις (Ευαισθητοποιητικό)

Όνομα ουσίας	1,2-βενζοϊσοθειαζολ-3(2H)-όνη· 1,2-βενζοϊσοθειαζολιν-3-όνη
Μέθοδος ελέγχου:	ΟΟΣΑ 406
Είδος:	Ινδικό χοιρίδιο
Αποτέλεσμα:	Παρατηρήθηκαν δυσμενείς επιπτώσεις (Ευαισθητοποιητικό)

Βάσει των διαθέσιμων δεδομένων, τα κριτήρια ταξινόμησης δεν πληρούνται.

Μεταλλαξιγένεση γεννητικών κυττάρων*

Βάσει των διαθέσιμων δεδομένων, τα κριτήρια ταξινόμησης δεν πληρούνται.

Καρκινογένεση*

Όνομα ουσίας	διάλυμα υπεροξειδίου του υδρογόνου 35%
Συμπέρασμα:	Δεν παρατηρήθηκαν δυσμενείς επιπτώσεις

Βάσει των διαθέσιμων δεδομένων, τα κριτήρια ταξινόμησης δεν πληρούνται.

Τοξικότητα για την αναπαραγωγή*

Όνομα ουσίας	διάλυμα υπεροξειδίου του υδρογόνου 35%
Συμπέρασμα:	Δεν παρατηρήθηκαν δυσμενείς επιπτώσεις

Βάσει των διαθέσιμων δεδομένων, τα κριτήρια ταξινόμησης δεν πληρούνται.

STOT-εφάπαξ έκθεση

Βάσει των διαθέσιμων δεδομένων, τα κριτήρια ταξινόμησης δεν πληρούνται.

STOT-επανεξιλημμένη έκθεση

Βάσει των διαθέσιμων δεδομένων, τα κριτήρια ταξινόμησης δεν πληρούνται.

τοξικότητα αναρρόφησης

Όνομα ουσίας: διάλυμα υπεροξειδίου του υδρογόνου 35%

Βάσει των διαθέσιμων δεδομένων, τα κριτήρια ταξινόμησης δεν πληρούνται.

11.2. Πληροφορίες για άλλους τύπους επικινδυνότητας

Μακροπρόθεσμες επιπτώσεις

καμία γνωστή.

Ιδιότητες ενδοκρινικής διαταραχής

Αυτό το μείγμα/προϊόν δεν περιέχει ουσίες που θεωρούνται ότι έχουν ιδιότητες που διαταράσσουν τις ορμόνες σε σχέση με την υγεία.

Άλλες πληροφορίες

διάλυμα υπεροξειδίου του υδρογόνου 35%: Η ουσία έχει ταξινομηθεί στην ομάδα 3 από την IARC.

ΤΜΗΜΑ 12: ΟΙΚΟΛΟΓΙΚΈΣ ΠΛΗΡΟΦΟΡΊΕΣ

12.1. Τοξικότητα

Όνομα ουσίας: διάλυμα υπεροξειδίου του υδρογόνου 35%
Είδος: Ψάρι, *Pimephales promelas*
Διάρκεια: 96 Ώρες
Έλεγχος: LC50
Αποτέλεσμα: 16,4 mg/L

Όνομα ουσίας: διάλυμα υπεροξειδίου του υδρογόνου 35%
Είδος: Ψάρι, *Leuciscus idus*
Διάρκεια: 72 Ώρες
Έλεγχος: LC50
Αποτέλεσμα: 35 mg/L

Όνομα ουσίας: διάλυμα υπεροξειδίου του υδρογόνου 35%
Είδος: Ψάρι, *Oncorhynchus mykiss*
Διάρκεια: 7 ημέρες
Έλεγχος: LC50
Αποτέλεσμα: 38,5 mg/L

Όνομα ουσίας: διάλυμα υπεροξειδίου του υδρογόνου 35%
Είδος: *Daphnia pulex*
Διάρκεια: 48 Ώρες
Έλεγχος: EC50
Αποτέλεσμα: 2,4 mg/L

Όνομα ουσίας: διάλυμα υπεροξειδίου του υδρογόνου 35%
Είδος: *Daphnia magna*
Διάρκεια: 24 Ώρες
Έλεγχος: EC50
Αποτέλεσμα: 7,7 mg/L

Όνομα ουσίας: διάλυμα υπεροξειδίου του υδρογόνου 35%
Είδος: *Skeletonema costatum*
Διάρκεια: 72 Ώρες
Έλεγχος: EC50
Αποτέλεσμα: 1,38 mg/L

Όνομα ουσίας: διάλυμα υπεροξειδίου του υδρογόνου 35%
Μέθοδος ελέγχου: ΟΟΣΑ 209

Είδος:	Βακτήρια
Διαμέρισμα:	Σταθμός Ενεργού Ιλύος
Διάρκεια:	30 minutes
Έλεγχος:	EC50
Αποτέλεσμα:	466 mg/L

Όνομα ουσίας	διάλυμα υπεροξειδίου του υδρογόνου 35%
Μέθοδος ελέγχου:	ΟΟΣΑ 209
Είδος:	Βακτήρια
Διαμέρισμα:	Σταθμός Ενεργού Ιλύος
Διάρκεια:	3 Ώρες
Έλεγχος:	EC50
Αποτέλεσμα:	> 1.000 mg/L

Όνομα ουσίας	1,2-βενζοϊσοθειαζολ-3(2H)-όνη· 1,2-βενζοϊσοθειαζολιν-3-όνη
Είδος:	Ψάρι
Διάρκεια:	96 Ώρες
Έλεγχος:	LC50
Αποτέλεσμα:	>0.1-1 mg/L

Όνομα ουσίας	1,2-βενζοϊσοθειαζολ-3(2H)-όνη· 1,2-βενζοϊσοθειαζολιν-3-όνη
Είδος:	Καρκινοειδή
Διάρκεια:	48 Ώρες
Έλεγχος:	EC50
Αποτέλεσμα:	>0.1-1 mg/L

Όνομα ουσίας	1,2-βενζοϊσοθειαζολ-3(2H)-όνη· 1,2-βενζοϊσοθειαζολιν-3-όνη
Είδος:	Φύκη
Διάρκεια:	72 Ώρες
Έλεγχος:	EC50
Αποτέλεσμα:	>0.1-1 mg/L

Βάσει των διαθέσιμων δεδομένων, τα κριτήρια ταξινόμησης δεν πληρούνται.

12.2. Ανθεκτικότητα και ικανότητα αποικοδόμησης

Όνομα ουσίας	Alcohol, C13, bran., EO, sulfate Na~
Αποτέλεσμα:	> 60 %
Συμπέρασμα:	Άμεση βιοαποδομησιμότητα
Έλεγχος:	ΟΟΣΑ 301 B

Όνομα ουσίας	διάλυμα υπεροξειδίου του υδρογόνου 35%
Συμπέρασμα:	Άμεση βιοαποδομησιμότητα

Όνομα ουσίας	1,2-βενζοϊσοθειαζολ-3(2H)-όνη· 1,2-βενζοϊσοθειαζολιν-3-όνη
Αποτέλεσμα:	90%
Συμπέρασμα:	Άμεση βιοαποδομησιμότητα
Έλεγχος:	OECD 302

Τα τασιενεργά που περιέχονται στο συγκεκριμένο παρασκεύασμα συμμορφώνονται τα κριτήρια βιοδιασπασιμότητας τα οποία ορίζονται στον Κανονισμό (ΕΚ) Νο.648/2004 για απορρυπαντικά. Τα δεδομένα που υποστηρίζουν τη δήλωση αυτή βρίσκονται στη διάθεση των αρμοδίων Αρχών των Κρατών Μελών και θα παρέχονται σε αυτές κατόπιν αμέσου αιτήματός τους ή κατόπιν αιτήματος του κατασκευαστή του απορρυπαντικού .

12.3. Δυνατότητα βιοσυσσώρευσης

Όνομα ουσίας	διάλυμα υπεροξειδίου του υδρογόνου 35%
LogKow:	-1,57
Συμπέρασμα:	-

Όνομα ουσίας	1,2-βενζοϊσοθειαζολ-3(2H)-όνη· 1,2-βενζοϊσοθειαζολιν-3-όνη
ΣΒΣ:	2
LogKow:	1.45
Συμπέρασμα:	Το δυναμικό βιοσυσσώρευσης είναι χαμηλό

12.4. Κινητικότητα στο έδαφος

Δεν υπάρχουν διαθέσιμα δεδομένα.

12.5. Αποτελέσματα της αξιολόγησης ΑΒΤ και αΑαΒ

Αυτό το μείγμα/προϊόν δεν περιέχει ουσίες που θεωρείται ότι πληρούν τα κριτήρια ταξινόμησης τους ως ΑΒΤ και/ή αΑαΒ.

12.6. Ιδιότητες ενδοκρινικής διαταραχής

Αυτό το μείγμα/προϊόν δεν περιέχει ουσίες που θεωρούνται ότι έχουν ιδιότητες ενδοκρινικής διαταραχής σε σχέση με το περιβάλλον.

12.7. Άλλες αρνητικές επιπτώσεις

καμία γνωστή.

ΤΜΗΜΑ 13: ΣΤΟΙΧΕΪΑ ΣΧΕΤΙΚΆ ΜΕ ΤΗ ΔΙ΄ΑΘΕΣΗ

13.1. Μέθοδοι διαχείρισης αποβλήτων

Το προϊόν καλύπτεται από τους κανονισμούς για τα επικίνδυνα απόβλητα. (*)

HP 4 - Ερεθιστικό (ερεθισμός του δέρματος και οφθαλμική βλάβη)

Κανονισμός (ΕΕ) αριθ. 1357/2014 ΤΗΣ ΕΠΙΤΡΟΠΗΣ της 18ης Δεκεμβρίου 2014 για τα απόβλητα.

Κωδικός ΕΚΑ:

20 01 30

απορρυπαντικά άλλα από τα αναφερόμενα στο σημείο 20 01 29

Μολυσμένη συσκευασία

Συσκευασίες που περιέχουν υπολείμματα από το προϊόν πρέπει να διατίθενται με τον ίδιο τρόπο όπως το προϊόν.

ΤΜΗΜΑ 14: ΠΛΗΡΟΦΟΡΊΕΣ ΣΧΕΤΙΚΆ ΜΕ ΤΗ ΜΕΤΑΦΟΡΆ

	14.1 UN No	14.2 Κατάλληλη ονομασία αποστολής	14.3 Κλάση(εις) κινδύνου	14.4 PG*	14.5. Ενν**	Άλλες πληροφορί ες:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Ομάδα συσκευασίας

** Περιβαλλοντικοί κίνδυνοι

Επιπρόσθετες πληροφορίες

Μη επικίνδυνα εμπορεύματα σύμφωνα με τους κανονισμούς ADR, IATA και IMDG.

14.6. Ειδικές προφυλάξεις για τον χρήστη

Δεν εφαρμόζεται

14.7. Θαλάσσιες μεταφορές χύδην σύμφωνα με τις πράξεις του IMO

Δεν υπάρχουν διαθέσιμα δεδομένα.

ΤΜΗΜΑ 15: ΣΤΟΙΧΕΪΑ ΝΟΜΟΘΕΤΙΚΟΎ ΧΑΡΑΚΤΉΡΑ

15.1. Κανονισμοί/νομοθεσία σχετικά με την ασφάλεια, την υγεία και το περιβάλλον για την ουσία ή το μείγμα

Περιορισμοί στην εφαρμογή:

Μόνο για επαγγελματική χρήση.

Απαιτήσεις για συγκεκριμένη εκπαίδευση:

Δεν υπάρχουν συγκεκριμένες απαιτήσεις

SEVESO - ΚΑΤΗΓΟΡΙΕΣ ΚΙΝΔΎΝΟΥ / ΚΑΤΟΝΟΜΑΖΟΜΕΝΕΣ ΕΠΙΚΙΝΔΥΝΕΣ ΟΥΣΊΕΣ:

Δεν εφαρμόζεται

διάλυμα υπεροξειδίου του υδρογόνου 35% (Παράρτημα I)

Σήμανση περιεχομένου σύμφωνα με τον κανονισμό περί απορρυπαντικών 648/2004:

>5% - <15%

· Μη ιονικές επιφανειοδραστικές ουσίες

< 5%

· Ανιονικές επιφανειοδραστικές ουσίες

· Λευκαντικοί παράγοντες με βάση το οξυγόνο

· Αρωματικές ουσίες

· Συντηρητικό (BENZISOTHIAZOLINONE)

Επιπρόσθετες πληροφορίες:

Τα τασιενεργά που περιέχονται στο συγκεκριμένο παρασκεύασμα συμμορφώνονται τα κριτήρια βιοδιασπαισιμότητας τα οποία ορίζονται στον Κανονισμό (ΕΚ) Νο.648/2004 για απορρυπαντικά. Τα δεδομένα που υποστηρίζουν τη δήλωση αυτή βρίσκονται στη διάθεση των αρμοδίων Αρχών των Κρατών Μελών και θα παρέχονται σε αυτές κατόπιν αμέσου αιτήματός τους ή κατόπιν αιτήματος του κατασκευαστή του απορρυπαντικού .

Πηγές:

Κανονισμός (ΕΚ) αριθ. 648/2004 του Ευρωπαϊκού Κοινοβουλίου και του Συμβουλίου, της 31ης Μαρτίου 2004, σχετικά με τα απορρυπαντικά.

Κανονισμός (ΕΕ) αριθ. 1357/2014 ΤΗΣ ΕΠΙΤΡΟΠΗΣ της 18ης Δεκεμβρίου 2014 για τα απόβλητα.

Council Regulation (EC) No 2019/1148 on explosives precursors.

Κανονισμός (ΕΚ) αριθ. 1272/2008 του Ευρωπαϊκού Κοινοβουλίου και του Συμβουλίου, της 16ης Δεκεμβρίου 2008, για την ταξινόμηση, την επισήμανση και τη συσκευασία των ουσιών και των μειγμάτων (CLP).

Κανονισμός (ΕΚ) αριθ. 1907/2006 του Ευρωπαϊκού Κοινοβουλίου και του Συμβουλίου, της 18ης Δεκεμβρίου 2006, για την καταχώριση, την αξιολόγηση, την αδειοδότηση και τους περιορισμούς των χημικών προϊόντων (REACH).

15.2. Αξιολόγηση χημικής ασφάλειας

Όχι

ΤΜΗΜΑ 16: ΆΛΛΕΣ ΠΛΗΡΟΦΟΡΊΕΣ

Πλήρες κείμενο των Δηλώσεων κινδύνων (H Statements) όπως αναφέρεται στο τμήμα 3

H271, Μπορεί να προκαλέσει πυρκαγιά ή έκρηξη· ισχυρό οξειδωτικό.

H302, Επιβλαβές σε περίπτωση κατάποσης.

H314, Προκαλεί σοβαρά δερματικά εγκαύματα και οφθαλμικές βλάβες.

H315, Προκαλεί ερεθισμό του δέρματος.

H318, Προκαλεί σοβαρή οφθαλμική βλάβη.

H319, Προκαλεί σοβαρό οφθαλμικό ερεθισμό.

H332, Επιβλαβές σε περίπτωση εισπνοής.

H335, Μπορεί να προκαλέσει ερεθισμό της αναπνευστικής οδού.

H336, Μπορεί να προκαλέσει υπνηλία ή ζάλη.

H412, Επιβλαβές για τους υδρόβιους οργανισμούς, με μακροχρόνιες επιπτώσεις.

Συντομογραφίες και αρκτικόλεξα

ADN = Ευρωπαϊκή Συμφωνία σχετικά με τις Διεθνείς Μεταφορές Επικίνδυνων Εμπορευμάτων μέσω της Εσωτερικής Ναυσιπλοΐας

ADR = Η Ευρωπαϊκή Συμφωνία Ευρωπαϊκή Συμφωνία για τις Διεθνείς Οδικές Μεταφορές Επικίνδυνων Εμπορευμάτων

ATE = Εκτίμηση της οξείας τοξικότητας

BCF = Συντελεστής βιοσυγκέντρωσης

CAS = Υπηρεσία Χημικής Ταυτοποίησης

CE = Ευρωπαϊκή Συμμόρφωση

CLP = Κανονισμός για την Ταξινόμηση, Επισήμανση και Συσκευασία [Κανονισμός (ΕΚ) υπ' αριθ. 1272/2008]

CSA = Αξιολόγηση Χημικής Ασφάλειας

CSR = Αναφορά Χημικής Ασφάλειας

DMEL = Παράγωγο Επίπεδο με Ελάχιστες Επιπτώσεις

DNEL = Παράγωγο Επίπεδο Χωρίς Επιπτώσεις

EINECS = Ευρωπαϊκός Κατάλογος των Υφιστάμενων Εμπορικών Χημικών Ουσιών

EKA = Ευρωπαϊκός Κατάλογος Αποβλήτων

ES = Σενάριο Έκθεσης

Δήλωση EUH = Ειδική Δήλωση κινδύνου του CLP

ΔΥΠ (GWP) = Δυναμικό υπερθέρμανσης του πλανήτη»
EuPCS = Ευρωπαϊκό σύστημα κατηγοριοποίησης προϊόντων
GHS = Το δυναμικό υπερθέρμανσης του πλανήτη
IATA = Διεθνής Ένωση Αερομεταφορών
IBC = Εμπορευματοκιβώτιο Μεσαίας Χωρητικότητας Χύδην Φορτίου
IMDG = Διεθνής Ναυτιλιακός Κώδικας Επικίνδυνων Εμπορευμάτων
LogPow = Λογάριθμος του συντελεστή κατανομής οκτανόλης/νερού
MARPOL 73/78 = Διεθνής Σύμβαση για την Πρόληψη της Ρύπανσης από τα Πλοία, 1973 όπως τροποποιήθηκε από το Πρωτόκολλο 1978. ("Marpol" = θαλάσσια ρύπανση)
ΟΟΣΑ = Οργανισμός για Οικονομική Συνεργασία και Ανάπτυξη
PBT (ABT) = Ανθεκτικά, Βιοσυσσωρεύσιμα και Τοξικά
PNEC = Προβλεπόμενη Συγκέντρωση Χωρίς Επιπτώσεις
RID = Κανονισμοί για τις Διεθνείς Σιδηροδρομικές Μεταφορές Επικίνδυνων Εμπορευμάτων
RRN = Αριθμός Καταχώρισης REACH
SCL = Ειδικό Όριο Συγκέντρωσης
SVHC = Ουσίες που Προκαλούν Πολύ Μεγάλη Ανησυχία
STOT-RE = Ειδική τοξικότητα οργάνου-στόχου - Επανειλημμένη έκθεση
STOT-SE = Ειδική τοξικότητα οργάνου-στόχου - Μοναδική έκθεση
TWA = Μέση χρονικά σταθμισμένη
UVCB = Ουσίες άγνωστης ή ασταθούς σύνθεσης, προϊόντα πολύπλοκων αντιδράσεων ή βιολογικά υλικά
ΠΟΕ = Πτητικές Οργανικές Ενώσεις
αΑαΒ = άκρως Ανθεκτικά και άκρως Βιοσυσσωρεύσιμα

Επιπρόσθετες πληροφορίες

Δεν εφαρμόζεται

Το φυλλάδιο δεδομένων ασφαλείας επικυρώνεται από

Quality & Compliance

Άλλα

Μια αλλαγή (αναφορικά με την τελευταία σημαντική αλλαγή) επισημαίνεται με ένα τρίγωνο.

Οι πληροφορίες σε αυτό το δελτίο δεδομένων ασφαλείας ισχύουν μόνο για το συγκεκριμένο προϊόν (αναφέρεται στην ενότητα 1) και δεν είναι απαραίτητα σωστές για χρήση με άλλα χημικά/προϊόντα.

Συνιστάται να παραδώσετε αυτό το δελτίο δεδομένων ασφαλείας στον ίδιο τον χρήστη του προϊόντος. Οι πληροφορίες σε αυτό το δελτίο δεδομένων ασφαλείας δεν μπορούν να χρησιμοποιηθούν ως προδιαγραφές προϊόντος.

Χώρα-γλώσσα: GR-el

SIGURNOSNO-TEHNIČKOG LISTA

i.1 all-purpose cleaner FlexDose

ODJELJAK 1.: IDENTIFIKACIJA TVARI/SMJESE I PODACI O TVRTKI/PODUZECU

1.1. Identifikacijska oznaka proizvoda

▼ *Tržišni naziv:*

i.1 all-purpose cleaner FlexDose

1.2. Relevantne identificirane uporabe tvari ili smjese i uporabe koje se ne preporučuju

Relevantne identificirane namjene tvari ili smjese:

Deterdženti i sredstva za čišćenje (uključujući one na bazi otapala)
Samo za profesionalne korisnike.

Namjene koje se ne preporučuju:

Nitko poznat.

1.3. Podaci o dobavljaču koji isporučuje sigurnosno-tehnicki list

Kompanija i adresa:

Hygeniq B.V.
Postbus 618
7500 AP Enschede
The Netherlands
+31 53 4282860
+31 53 5393865
www.hygeniq.com

E-mail:

info@hygeniq.com

Izmjena:

27. 06. 2025.

SDS inačica:

2.0

Datum prethodnog izdanja:

02. 06. 2025. (1.0)

1.4. Broj telefona za izvanredna stanja

CKO - Centar za kontrolu otrovanja, TEL: +3851 2348 342
Pogledajte Odjeljak 4: "Mjere prve pomoći"

ODJELJAK 2.: IDENTIFIKACIJA OPASNOSTI

2.1. Razvrstavanje tvari ili smjese

Nije razvrstano prema Uredbi (EZ) br. 1272/2008 (CLP).

2.2. Elementi označavanja

Piktogrami opasnosti:

Nije primjenljivo.

Oznaka opasnosti:

Nije primjenljivo.

Oznake upozorenja:

Nije primjenljivo.

Oznake obavijesti:

Opcenito:

-

Sprječavanje:

-

Reakcija:

-

Postupanje:

-

Odlaganje:

-

Identifikacija tvari koje su primarno odgovorne za veće opasnosti po zdravlje:

Ne sadrži tvari potrebne za prijaviti

Dodatno označavanje:

EUH210, Sigurnosno-tehnički list dostupan na zahtjev.

Označavanje sadržaja prema Pravilniku o deterdžentima 648/2004 (primjenjuje se na pakiranje deterdženata koji se prodaju široj javnosti):

>5% - <15%

· Neionski surfaktanti

< 5%

· Anionski surfaktanti

· Agensi za izbjeljivanje na bazi kisika

· Mirisi

· Konzervansa (BENZISOTHIAZOLINONE)

2.3. Ostale opasnosti

Dodatna upozorenja:

Ova mješavina/proizvod ne sadrži nikakve tvari za koje se smatra da ispunjavaju kriterije po kojima ih se klasificira kao PBT i/ili vPvB.

Ovaj proizvod ne sadrži nikakve tvari koje se smatraju endokrinim disruptorima u skladu s kriterijima navedenim u Delegiranoj uredbi Komisije (EU) 2017/2100 ili Uredbi Komisije (EU) 2023/707.

ODJELJAK 3.: SASTAV/INFORMACIJE O SASTOJCIMA

3.1. Tvari

Nije primjenljivo. Ovaj proizvod je mješavina.

3.2. Smjese

Proizvod/sastojak	Identifikacijske oznake	% w/w	Razvrstavanje	Nazna ke
Alcohol, C13, bran., EO, sulfate Na~	CAS br.: 150413-26-6 EZ br.: 688-316-0 REACH: Indeksni br.:	1-3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 3, H412	
Otopina vodikovog peroksida 35%	CAS br.: 7722-84-1 EZ br.: 231-765-0 REACH: 01-2119485845-22-XXXX Indeksni br.: 008-003-00-9	1-3%	Ox. Liq. 1, H271 Acute Tox. 4, H302 Skin Corr. 1A, H314 (SCL: 70,00 %) Skin Corr. 1B, H314 (SCL: 50,00 %) Skin Irrit. 2, H315 (SCL: 35,00 %) Eye Dam. 1, H318 (SCL: 8,00 %) Eye Irrit. 2, H319 (SCL: 5,00 %) Acute Tox. 4, H332	

			STOT SE 3, H336 (SCL: 35,00 %)	
citroenzuurmonohydraat	CAS br.: 5949-29-1 EZ br.: 611-842-9 REACH: 01-2119457026-42-XXXX Indeksni br.:	<0.1%	Eye Irrit. 2, H319	
Disodium tin hexahydroxide	CAS br.: 12027-70-2 EZ br.: 234-724-5 REACH: 01-2120770924-45-XXXX Indeksni br.:	<0.05%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	[1]

Pogledajte puni tekst H-fraza u odjeljak 16. Ograničenja vezana uz izlaganja na radnom mjestu navedena su u odjeljak 8, ako su dostupna.

Ostale informacije

[1] Europsko ograničenje izloženosti na radnom mjestu.

ODJELJAK 4.: MJERE PRVE POMOCI

4.1. Opis mjera prve pomoci

Opće informacije:

U slučaju nezgode: Kontaktirajte liječnika ili službu za zbrinjavanje unesrećenih, a sa sobom ponesite etiketu s proizvoda ili ovaj sigurnosno-tehnički list.

Kontaktirajte liječnika ako niste sigurni kakvo je stanje izložene osobe ili ako ne dođe do povlačenja simptoma. Osobi koja nije pri svijesti nikada nemojte davati da pije vodu ili nešto slično.

Udisanje:

Nakon poteškoća u disanju ili iritacija dišnih putova: Osobu izvedite na svjež zrak i ostanite uz nju.

Kontakt s kožom:

U slučaju iritacije: proizvod saperite. U slučaju ako se iritacija ne povuče: Potražite medicinsku pomoć.

Kontakt s očima:

U slučaju dodira s očima: Oči ispirajte vodom ili fiziološkom otopinom (20-30 °C) tijekom najmanje 5 minuta. Izvadite kontaktne leće. Potražite medicinsku pomoć, a tijekom transporta nastavite ispiranje.

Gutanje:

Ako je osoba pri svijesti, isprati usta vodom i ostati uz osobu. Ako se osoba počne osjećati loše, smjesta kontaktirajte liječnika, a sa sobom ponesite ovaj sigurnosno-tehnički list ili etiketu s proizvoda. Nemojte pokušavati izazvati povraćanje, osim u slučaju ako to doktor preporuči. Glavu držite nagnutu licem prema dolje, kako bi se spriječio udisanje povraćenog želučanog sadržaja.

Opekline:

Nije primjenljivo.

4.2. Najvažniji simptomi i učinci, akutni i odgođeni

Nitko poznat.

4.3. Navod o slučaju potrebe za hitnom liječničkom pomoći i posebnom obradom

Liječiti simptomatski.

Informacije za zdravstveno osoblje

Ponesite ovaj sigurnosno-tehnički list ili etiketu s materijala.

ODJELJAK 5.: MJERE ZA SUZBIJANJE POŽARA

5.1. Sredstva za gašenje

Nije primjenljivo.

5.2. Posebne opasnosti koje proizlaze iz tvari ili smjese

Zapaljenje će dovesti do stvaranja gustog dima. Izlaganje tvarima koje nastanu kao rezultat sagorijevanja može naškoditi zdravlju. Zatvorene spremnike, koji su bili izloženi vatri, treba ohladiti vodom. Nemojte dopustiti ulijevanje vode koja se koristila za gašenje požara u kanalizacijske odvođe ili u druge vodene tokove. Ako se proizvod izloži visokim temperaturama, poput onih koje se razvijaju u slučaju požara, dolazi do otpuštanja tvari koje nastaju kao rezultat razgradnje. Te tvari su:
Ugljični oksidi (CO / CO₂)

5.3. Savjeti za gasitelje požara

Nema posebnih uvjeta.

ODJELJAK 6.: MJERE KOD SLUCAJNOG ISPUŠTANJA

6.1. Osobne mjere opreza, zaštitna oprema i postupci za izvanredna stanja

Osigurajte odgovarajuću ventilaciju, posebno u zatvorenim prostorima.
Kontaminirani prostor može biti sklizak.

6.2. Mjere zaštite okoliša

Izbjegavajte izlijevanje tvari u jezera, riječne tokove, kanalizacijske odvođe i slično.
Držite neovlaštene osobe dalje od izlijevanja

6.3. Metode i materijal za sprecavanje širenja i čišćenje

Zadržite i sakupite prolivenu tekućinu nezapaljivim, upijajućim materijalom npr. pijeskom, zemljom, vermikulitom ili dijatomejskom zemljom i stavite u spremnik za odlaganje u skladu s lokalnim propisima.
Koliko god je to moguće, čišćenje treba obavljati pomoću uobičajenih sredstava za čišćenje. Treba izbjegavati uporabu otapala.

6.4. Uputa na druge odjeljke

Pogledajte odjeljak o 13 "Zbrinjavanje", koji se odnosi na rukovanje otpadom.
Informacije o mjerama zaštite potražite u odjeljku o 8 'Nadzor nad izloženošću/osobna zaštita'.

ODJELJAK 7.: RUKOVANJE I SKLADIŠTENJE

7.1. Mjere opreza za sigurno rukovanje

U radnim prostorijama nije dopušteno pušenje, konzumiranje hrane ili napitaka, kao ni čuvanje duhanskih proizvoda, hrane ili napitaka.
Informacije o osobnoj zaštiti potražite u odjeljku o 'Nadzor nad izloženošću/osobna zaštita'.

7.2. Uvjeti sigurnog skladištenja, uzimajući u obzir moguće inkompatibilnosti

Otvoreni spremnici moraju se pažljivo ponovno hermetički zatvoriti i čuvati uspravno kako bi se spriječilo curenje.

Kompatibilnost ambalaže:

Čuvati samo u originalnom pakiranju.

Uvjeti skladištenja:

Suho, hladno i dobro prozračeno

Inkompatibilni materijali:

Jake kiseline, jake lužine, jaka oksidirajuća sredstva i jaka redukcijska sredstva.

7.3. Posebna krajnja uporaba ili uporabe

Ovaj proizvod treba se koristiti isključivo za namjene navedene u odjeljak 1.2.

ODJELJAK 8.: NADZOR NAD IZLOŽENOŠĆU/OSOBNA ZAŠTITA

8.1. Nadzorni parametri

Otopina vodikovog peroksida 35%

Granična vrijednost izloženosti (8 sati) (GVI) (ppm): 1

Granična vrijednost izloženosti (8 sati) (GVI) (mg/m³): 1,4

Kratkotrajna granična vrijednost izloženosti (15 minuta) (KGVI) (ppm): 2

Kratkotrajna granična vrijednost izloženosti (15 minuta) (KGVI) (mg/m³): 2,8

NN 1/2021 (10.01.2021.), Pravilnik o zaštiti radnika od izloženosti opasnim kemikalijama na radu, graničnim vrijednostima izloženosti i biološkim graničnim vrijednostima

DNEL

1,2-benzizotiazol-3(2H)-on; 1,2-benzizotiazolin-3-on; 1,2-benzisotiazolin-3-on

Trajanje:	Način izlaganja:	DNEL:
Dugoročno-Sustavni učinci-Opća populacija	Preko kože	0.345 mg/kg
Dugoročno-Sustavni učinci-Radnici	Preko kože	966 µg/kg bw/day
Dugoročno-Sustavni učinci-Opća populacija	Udisanje	1.2 mg/m ³
Dugoročno-Sustavni učinci-Radnici	Udisanje	6.81 mg/m ³

Disodium tin hexahydroxide

Trajanje:	Način izlaganja:	DNEL:
Dugoročno-Sustavni učinci-Opća populacija	Oralno	1.21 mg/kg bw/day
Dugoročno-Sustavni učinci-Opća populacija	Preko kože	1.21 mg/kg bw/day
Dugoročno-Sustavni učinci-Radnici	Preko kože	3.37 mg/kg bw/day
Dugoročno-Sustavni učinci-Opća populacija	Udisanje	1.78 mg/m ³
Dugoročno-Sustavni učinci-Radnici	Udisanje	11.9 mg/m ³

Otopina vodikovog peroksida 35%

Trajanje:	Način izlaganja:	DNEL:
Dugoročno-Lokalni učinci-Opća populacija	Udisanje	0.21 mg/m ³
Dugoročno-Lokalni učinci-Opća populacija	Udisanje	210 µg/m ³
Dugoročno-Lokalni učinci-Radnici	Udisanje	1.4 mg/m ³
Kratkoročno-Lokalni učinci-Opća populacija	Udisanje	1.93 mg/m ³
Kratkoročno-Lokalni učinci-Radnici	Udisanje	3 mg/m ³

PNEC

1,2-benzizotiazol-3(2H)-on; 1,2-benzizotiazolin-3-on; 1,2-benzisotiazolin-3-on

Način izlaganja:	Trajanje izloženosti:	PNEC:
Morska voda		403 ng/L
Postrojenje za tretiranje otpadne vode		1.03 mg/L
Povremeno ispuštanje (morska voda)		110 ng/L
Povremeno ispuštanje (slatka voda)		1.1 µg/L
Sediment morske vode		4.99 µg/kg
Slatka voda		4.03 µg/L
Slatkovodni sediment		49.9 µg/kg
Tlo		3 mg/kg

Disodium tin hexahydroxide

Način izlaganja:	Trajanje izloženosti:	PNEC:
Morska voda		3.31 µg/L
Postrojenje za tretiranje otpadne vode		10 mg/L
Povremeno ispuštanje (morska voda)		33.1 µg/L
Povremeno ispuštanje (slatka voda)		331 µg/L
Sediment morske vode		139.46 µg/kg
Slatka voda		33.1 µg/L

Slatkovodni sediment		1.395 mg/kg
Otopina vodikovog peroksida 35%		
Način izlaganja:	Trajanje izloženosti:	PNEC:
Morska voda		0,047 mg/L
Morska voda		12.6 µg/L
Postrojenje za tretiranje otpadne vode		4.66 mg/L
Postrojenje za tretiranje otpadne vode		4.66 mg/L
Povremeno ispuštanje (slatka voda)		13.8 µg/L
Sediment morske vode		0,047 mg/L
Sediment morske vode		47 µg/kg
Slatka voda		0,0126 mg/L
Slatka voda		12.6 µg/L
Slatkovodni sediment		0,047 mg/kg
Slatkovodni sediment		47 µg/kg
Tlo		0,023 mg/kg
Tlo		2.3 µg/kg

8.2. Nadzor nad izloženosti

Redovito se treba provjeravati poštuju li se propisana ograničenja koja se odnose na izlaganje.

Opće preporuke:

U radnim prostorijama nije dopušteno pušenje, konzumiranje hrane ili napitaka, kao ni čuvanje duhanskih proizvoda, hrane ili napitaka.

Uvjeti pri izlaganju:

Za ovaj proizvod nisu implementirani scenariji izloženosti.

Ograničenja vezana uz izlaganje:

Poduzetnici trebaju raditi u skladu sa zakonskim propisima o radnom okruženju koji se odnose na maksimalne koncentracije tvari kojima se radnici smiju izlagati.

Odgovara juce tehnicke mjere:

Stvaranje pare mora biti minimalno i ispod trenutnih graničnih vrijednosti (vidi gore). Preporučuje se ugradnja lokalnog ispušnog sustava ako normalan protok zraka u radnoj sobi nije dovoljan. Osigurajte da stanice za hitno ispiranje očiju i tuševi budu jasno označeni.

Primijenite standardne mjere opreza tijekom uporabe proizvoda. Izbjegavati udisanje para.

Higijenske mjere:

Kad god pravite stanku tijekom uporabe ovog proizvoda, kao i kada završite s uporabom, sve izložene dijelove tijela morate oprati. Obratite posebnu pozornost na ruke, podlaktice i lice.

Mjere opreza za izbjegavanje zagađenja okoliša:

Nema posebnih uvjeta.

Osobne mjere zaštite kao što je osobna zaštitna oprema

Opcenito:

Koristite isključivo zaštitnu opremu s oznakom CE.

Oprema za disanje:

Tip	Klasa	Boje	Norme	
Nema posebnih uvjeta pri uporabi u skladu s namjenom.				

Zaštita kože:

Preporučuje se	Tip/Kategorija	Norme	
Nema posebnih uvjeta	-	-	

Preporučuje se	Tip/Kategorija	Norme	
pri uporabi u skladu s namjenom			

Zaštita ruku:

Radna situacija	Tvar	Minimalna debljina sloja (mm)	Vrijeme prodiranja kemikalije (min.)	Norme	
	Nema posebnih uvjeta pri uporabi u skladu s namjenom	-	-	-	
U slučaju produljenog izlaganja ili visokih koncentracija	Pamuka / Prirodna guma (latex)	-	> 120	EN374-2, EN16523-1, EN388	

Oci:

Radna situacija	Tip	Norme	
	Nema posebnih uvjeta pri uporabi u skladu s namjenom.	-	
U slučaju produljenog izlaganja ili visokih koncentracija	Nosite sigurnosne naočale s bočnim štitnicima.	EN166	

ODJELJAK 9.: FIZIKALNA I KEMIJSKA SVOJSTVA

9.1. Informacije o osnovnim fizikalnim i kemijskim svojstvima

Oblik:

Tekućina

Boje:

Bezbojna

Miris / Prag mirisa (ppm):

Parfem

pH:

ca. 4.8

Gustoca (g/cm³):

1,02 (20 °C)

Kinematička viskoznost:

Podaci nisu dostupni.

Svojstva čestica:

Ne primjenjuje se na tekućine.

Izmjene faza

talište/ledište (°C):

Podaci nisu dostupni.

Točka/raspon temperatura pri kojima dolazi do omekšavanja (°C):

Ne primjenjuje se na tekućine.

Točka ključanja (°C):

Podaci nisu dostupni.

Tlak isparenja:

Podaci nisu dostupni.

relativna gustoća pare:

Podaci nisu dostupni.

Temperatura raspada (°C):

Podaci nisu dostupni.

Podaci o opasnostima od požara i eksplozije

Tocka zapaljenja (°C):

Podaci nisu dostupni.

Zapaljivost (°C):

Podaci nisu dostupni.

Temperatura samozapaljenja (°C):

Podaci nisu dostupni.

Eksplozivni prag (Vol %):

Podaci nisu dostupni.

Topljivost

Topljivost u vodi:

Potpuno topiva

n-oktanol/vodeni koeficijent (LogKow):

Podaci nisu dostupni.

Topljivost u masnoci (g/L):

Podaci nisu dostupni.

9.2. Ostale informacije

Drug fizikalni i kemijski parametri:

Podaci nisu dostupni.

Oksidirajuća svojstva:

Podaci nisu dostupni.

ODJELJAK 10.: STABILNOST I REAKTIVNOST

10.1. Reaktivnost

Podaci nisu dostupni.

10.2. Kemijska stabilnost

Proizvod je stabilan pod uvjetima koji su navedeni u odjeljku 7 "Rukovanje i skladištenje".

10.3. Mogućnost opasnih reakcija

Nitko poznat.

10.4. Uvjeti koje treba izbjegavati

Nitko poznat.

10.5. Inkompatibilni materijali

Jake kiseline, jake lužine, jaka oksidirajuća sredstva i jaka reduksijska sredstva.

10.6. Opasni proizvodi raspadanja

U normalnim uvjetima skladištenja i uporabe ne bi trebalo doći do stvaranja opasnih produkata raspadanja.

ODJELJAK 11.: TOKSIKOLOŠKE INFORMACIJE

11.1. Informacije o razredima opasnosti kako su definirani u Uredbi (EZ) br. 1272/2008

Autna toksicnost

Proizvod/sastojak	Otopina vodikovog peroksida 35%
Vrste:	Štakor
Način izlaganja:	Oralno
Test:	LD50
Rezultat:	1.193 - 1.270 mg/L

Proizvod/sastojak	Otopina vodikovog peroksida 35%
Vrste:	Kunić
Način izlaganja:	Preko kože
Test:	LD50
Rezultat:	>2.000 (35% oplossing) mg/kg

Proizvod/sastojak	1,2-benzizotiazol-3(2H)-on; 1,2-benzizotiazolin-3-on;1,2-benzisotiazolin-3-on
Vrste:	Štakor
Način izlaganja:	Oralno
Test:	LD50
Rezultat:	500 mg/kg

Na temelju dostupnih podataka kriteriji za razvrstavanje nisu ispunjeni.

Nagrivanje/iritacija kože

Proizvod/sastojak	Otopina vodikovog peroksida 35%
Rezultat:	Uočeni štetni učinci (Iritirajuće)

Proizvod/sastojak	1,2-benzizotiazol-3(2H)-on; 1,2-benzizotiazolin-3-on;1,2-benzisotiazolin-3-on
Metoda ispitivanja:	OECD 404
Rezultat:	Uočeni štetni učinci (Iritirajuće)

Na temelju dostupnih podataka kriteriji za razvrstavanje nisu ispunjeni.

Ozbiljno oštećenje/iritacija oka

Proizvod/sastojak	Otopina vodikovog peroksida 35%
Rezultat:	Uočeni štetni učinci (Uzrokuje teške ozljede oka)

Proizvod/sastojak	1,2-benzizotiazol-3(2H)-on; 1,2-benzizotiazolin-3-on;1,2-benzisotiazolin-3-on
Metoda ispitivanja:	OECD 405
Rezultat:	Uočeni štetni učinci (Uzrokuje teške ozljede oka)

Na temelju dostupnih podataka kriteriji za razvrstavanje nisu ispunjeni.

Senzitizacija dišnih puteva

Proizvod/sastojak	Otopina vodikovog peroksida 35%
Rezultat:	Nisu uočeni štetni učinci (ne senzibilizirajući)

Na temelju dostupnih podataka kriteriji za razvrstavanje nisu ispunjeni.

Senzitizacija kože

Proizvod/sastojak	1,2-benzizotiazol-3(2H)-on; 1,2-benzizotiazolin-3-on;1,2-benzisotiazolin-3-on
Metoda ispitivanja:	OECD 429
Vrste:	Miš
Rezultat:	Uočeni štetni učinci (senzibilizirajući)

Proizvod/sastojak	1,2-benzizotiazol-3(2H)-on; 1,2-benzizotiazolin-3-on;1,2-benzisotiazolin-3-on
Metoda ispitivanja:	OECD 406
Vrste:	Zamorac
Rezultat:	Uočeni štetni učinci (senzibilizirajući)

Na temelju dostupnih podataka kriteriji za razvrstavanje nisu ispunjeni.

Mutacija spolnih celija

Na temelju dostupnih podataka kriteriji za razvrstavanje nisu ispunjeni.

Kancerogenost

Proizvod/sastojak	Otopina vodikovog peroksida 35%
Zaključak:	Nisu uočeni štetni učinci

Na temelju dostupnih podataka kriteriji za razvrstavanje nisu ispunjeni.

Toksicnost za reproduktivni sustav

Proizvod/sastojak	Otopina vodikovog peroksida 35%
Zaključak:	Nisu uočeni štetni učinci

Na temelju dostupnih podataka kriteriji za razvrstavanje nisu ispunjeni.

STOT-pojedinačno izlaganje

Na temelju dostupnih podataka kriteriji za razvrstavanje nisu ispunjeni.

STOT-učestalo izlaganje

Na temelju dostupnih podataka kriteriji za razvrstavanje nisu ispunjeni.

Opasnost od udisanja

Proizvod/sastojak Otopina vodikovog peroksida 35%

Na temelju dostupnih podataka kriteriji za razvrstavanje nisu ispunjeni.

11.2. Informacije o drugim opasnostima

Dugoročno djelovanje

Nitko poznat.

Svojstva endokrine disrupcije

Ova smjesa/proizvod ne sadrži nikakve tvari za koje se smatra da imaju svojstva izazivanja hormonskog poremećaja.

Ostale informacije

Otopina vodikovog peroksida 35%: IARC je tvar razvrstala u skupinu 3.

ODJELJAK 12.: EKOLOŠKE INFORMACIJE

12.1. Toksicitnost

Proizvod/sastojak	Otopina vodikovog peroksida 35%
Vrste:	Riba, Pimephales promelas
Trajanje:	96 sati
Test:	LC50
Rezultat:	16,4 mg/L

Proizvod/sastojak	Otopina vodikovog peroksida 35%
Vrste:	Riba, Leuciscus idus
Trajanje:	72 sati
Test:	LC50
Rezultat:	35 mg/L

Proizvod/sastojak	Otopina vodikovog peroksida 35%
Vrste:	Riba, Oncorhynchus mykiss
Trajanje:	7 dana
Test:	LC50
Rezultat:	38,5 mg/L

Proizvod/sastojak	Otopina vodikovog peroksida 35%
Vrste:	Daphnia pulex
Trajanje:	48 sati
Test:	EC50
Rezultat:	2,4 mg/L

Proizvod/sastojak	Otopina vodikovog peroksida 35%
Vrste:	Daphnia magna
Trajanje:	24 sati
Test:	EC50
Rezultat:	7,7 mg/L

Proizvod/sastojak	Otopina vodikovog peroksida 35%
Vrste:	Skeletonema costatum
Trajanje:	72 sati
Test:	EC50
Rezultat:	1,38 mg/L

Proizvod/sastojak	Otopina vodikovog peroksida 35%
Metoda ispitivanja:	OECD 209
Vrste:	Bakterije

Segment okoliša:	Postrojenje aktivnog mulja
Trajanje:	30 minutes
Test:	EC50
Rezultat:	466 mg/L

Proizvod/sastojak	Otopina vodikovog peroksida 35%
Metoda ispitivanja:	OECD 209
Vrste:	Bakterije
Segment okoliša:	Postrojenje aktivnog mulja
Trajanje:	3 sati
Test:	EC50
Rezultat:	> 1.000 mg/L

Proizvod/sastojak	1,2-benzizotiazol-3(2H)-on; 1,2-benzizotiazolin-3-on; 1,2-benzisotiazolin-3-on
Vrste:	Riba
Trajanje:	96 sati
Test:	LC50
Rezultat:	>0.1-1 mg/L

Proizvod/sastojak	1,2-benzizotiazol-3(2H)-on; 1,2-benzizotiazolin-3-on; 1,2-benzisotiazolin-3-on
Vrste:	Ljuskar
Trajanje:	48 sati
Test:	EC50
Rezultat:	>0.1-1 mg/L

Proizvod/sastojak	1,2-benzizotiazol-3(2H)-on; 1,2-benzizotiazolin-3-on; 1,2-benzisotiazolin-3-on
Vrste:	Alge
Trajanje:	72 sati
Test:	EC50
Rezultat:	>0.1-1 mg/L

Na temelju dostupnih podataka kriteriji za razvrstavanje nisu ispunjeni.

12.2. Postojanost i razgradivost

Proizvod/sastojak	Alcohol, C13, bran., EO, sulfate Na~
Rezultat:	> 60 %
Zaključak:	Laka biorazgradivost
Test:	OECD 301 B

Proizvod/sastojak	Otopina vodikovog peroksida 35%
Zaključak:	Laka biorazgradivost

Proizvod/sastojak	1,2-benzizotiazol-3(2H)-on; 1,2-benzizotiazolin-3-on; 1,2-benzisotiazolin-3-on
Rezultat:	90%
Zaključak:	Laka biorazgradivost
Test:	OECD 302

Tenzidi u ovom pripravku u skladu su s kriterijima biorazgradivosti koji su propisani Uredbom (EZ) br. 648/2004 o deterdžentima. Podaci koji potkrepljuju ovu izjavu dostupni su nadležnim vlastima država Članica, na njihov direktni zahtjev ili na zahtjev proizvođača deterdženata.

12.3. Bioakumulacijski potencijal

Proizvod/sastojak	Otopina vodikovog peroksida 35%
LogKow:	-1,57
Zaključak:	-

Proizvod/sastojak	1,2-benzizotiazol-3(2H)-on; 1,2-benzizotiazolin-3-on; 1,2-benzisotiazolin-3-on
BCF:	2
LogKow:	1.45
Zaključak:	Potencijal bioakumulacije je nizak

12.4. Pokretljivost u tlu

Podaci nisu dostupni.

12.5. Rezultati ocjenjivanja svojstava PBT i vPvB

Ova mješavina/proizvod ne sadrži nikakve tvari za koje se smatra da ispunjavaju kriterije po kojima ih se klasificira kao PBT i/ili vPvB.

12.6. Svojstva endokrine disrupcije

Ova smjesa/proizvod ne sadrži nikakve tvari za koje se kada se nađu unutar okoliša smatra da imaju svojstva ometanja endokrinog sustava.

12.7. Ostali štetni učinci

Nitko poznat.

ODJELJAK 13.: ZBRINJAVANJE

13.1. Metode obrade otpada

Za proizvod se primjenjuju propisi o odlaganju opasnog otpada. (*)

HP 4 - Nadražujuće (kožne iritacije i ozljede oka)

Uredba Komisije (EU) br. 1357/2014 od 18. prosinca 2014 o otpadu.

EWC šifra:

20 01 30

Ostali deterdženti nespomenuti u 20 01 29

Kontaminirano pakiranje

Pakiranja u kojima se nalaze ostaci proizvoda moraju se odložiti kao otpad na isti način kao i sam proizvod.

ODJELJAK 14.: INFORMACIJE O PRIJEVOZU

	14.1 UN	14.2 Ispravno otpremno ime prema UN-u	14.3 Razred(i) opasnosti pri prijevozu	14.4 PG*	14.5. Env**	Ostale informacije:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Skupina pakiranja

** Opasnosti za okoliš

Dodatne informacije

Prema ADR, IATA i IMDG propisima, proizvod nije uvršten u popis opasnih tvari.

14.6. Posebne mjere opreza za korisnika

Nije primjenljivo.

14.7. Prijevoz morem u razlivenom stanju u skladu s instrumentima IMO-a

Podaci nisu dostupni.

ODJELJAK 15.: INFORMACIJE O PROPISIMA

15.1. Propisi u području sigurnosti, zdravlja i okoliša/posebno zakonodavstvo za tvar ili smjesu

Ogranicenje primjene:

Samo za profesionalne korisnike.

Zahtjev za specifičnu edukaciju:

Nema posebnih uvjeta.

SEVESO - Kategorije opasnih tvari / Imena opasnih tvari:

Nije primjenljivo.

Uredba o prekursora eksploziva:

Otopina vodikovog peroksida 35% (Prilog I)

Označavanje sadržaja prema Pravilniku o deterdžentima 648/2004:

- >5% - <15%
- Neionski surfaktanti
- < 5%
- Anionski surfaktanti
- Agensi za izbjeljivanje na bazi kisika
- Mirisi
- Konzervansa (BENZISOTHIAZOLINONE)

Dodatne informacije:

Tenzidi u ovom pripravku u skladu su s kriterijima biorazgradivosti koji su propisani Uredbom (EZ) br. 648/2004 o deterdžentima. Podaci koji potkrepljuju ovu izjavu dostupni su nadležnim vlastima država Članica, na njihov direktan zahtjev ili na zahtjev proizvođača deterdženata.

Izvori:

Uredba (EZ) br. 648/2004 Europskog Parlamenta i Vijeća od 31. ožujka 2004. o deterdžentima.
Uredba Komisije (EU) br. 1357/2014 od 18. prosinca 2014 o otpadu.
Uredba (EU) 2019/1148 o prekursora eksploziva.
Uredba (EZ) br. 1272/2008 Europskog Parlamenta i Vijeća od 16. prosinca 2008. o razvrstavanju, označivanju i pakiranju tvari i smjesa (CLP).
UREDBA (EZ) br. 1907/2006 EUROPSKOG PARLAMENTA I VIJEĆA od 18. prosinca 2006 o registraciji, evaluaciji, autorizaciji i ograničavanju kemikalija (REACH).

15.2. Procjena kemijske sigurnosti

Ne

ODJELJAK 16.: OSTALE INFORMACIJE

Puni tekst H-fraza navedenih u Odjeljak 3

H271, Može uzrokovati požar ili eksploziju; jaki oksidans.
H302, Štetno ako se proguta.
H314, Uzrokuje teške opekline kože i ozljede oka.
H315, Nadražuje kožu.
H318, Uzrokuje teške ozljede oka.
H319, Uzrokuje jako nadraživanje oka.
H332, Štetno ako se udiše.
H335, Može nadražiti dišni sustav; ili.
H336, Može izazvati pospanost ili vrtoglavicu.
H412, Štetno za vodeni okoliš s dugotrajnim učincima.

Kratice i akronimi

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway
ADR = Europski sporazum u vezi s internacionalnim prijevozom opasne robe cestom
ATE = Visoko procijenjena toksičnost
BKF = Biokoncentracijski faktor
CAS = Baza kemijskih podataka
CE = Conformité Européenne
CLP = Regulacija klasifikacije, označavanja i pakiranja [Uredba (EZ) Br. 1272/2008]
CSA = Kemijska procjena sigurnosti
CSR = Izvještaj o kemijskoj sigurnosti
DNEL = Izvedeni stupanj bez učinka
EINECS = Europski popis postojećih komercijalnih kemijskih tvari
ES = Količina izloženosti
EUH izvještaj = CLP-specifičan izvještaj o opasnosti
EuPCS = Europski sustav kategorizacije proizvoda
EWC = Europski popis otpadnih tvari
GHS = Globalno usuglašeni sistem klasifikacije i označavanja kemikalija
GWP = Potencijal globalnog zagrijavanja
IATA = Internacionalno udruženje zračnog transporta
IBC = Kontejner srednjeg obujma
IMDG = Internacionalne pomorski opasne tvari

LogPow = logaritam koeficijenta razdjeljenja između oktanola i vode
MARPOL = Internacionalna konvencija za prevenciju zagađivanja od brodova, 1973 modificirano protokolom iz 1978.
("Marpol" = zagađenje mora)
OECD = Organizacija za ekonomsku suradnju i razvoj
PBT = Postojan, bioakumulativni i toksični
PNEC = Predviđena koncentracija bez efekta
RID = Uredba u vezi internacionalnog prijevoza opasnih tvari željezničkim putem
RRN = REACH Registracijski broj
SCL = Specifičnu granicu koncentracije.
SVHC = Tvari vrlo visoke važnosti
STOT-RE = Specifično ciljane organske toksičnosti - Ponovljeno izlaganje
STOT-SE = Specifično ciljane organske toksičnosti - Jednokratno izlaganje
TWA = Vremenski ponderirani prosjek
UVCB = Su tvari nepoznatog ili promjenljivog sastava, složeni reakcijski proizvodi ili biološki materijali.
UN = Ujedinjeni Narodi
VOC = Hlapljivi organski spojevi
vPvB = Vrlo otporno i vrlo bioakumulativno

Dodatne informacije

Nije primjenljivo.

Sigurnosno-tehnički list potvrđen je od strane

Quality & Compliance

Ostalo

Izmjena (u odnosu na posljednju ključnu izmjenu SDS inačice) označena je trokutom.
Informacije u ovom sigurnosno-tehničkom listu odnose se samo na ovaj proizvod (naveden je u odjeljak 1) i možda neće biti primjeren za uporabu s drugim kemikalijama/proizvodima.
Preporuča se proslijeđivanje ovog sigurnosno-tehničkog lista stvarnom korisniku proizvoda. Informacije navedene u ovom sigurnosno-tehničkom listu ne mogu se koristiti kao specifikacija proizvoda.
Država-jezik: HR-hr

BIZTONSÁGI ADATLAP

i.1 all-purpose cleaner FlexDose

1. SZAKASZ: AZ ANYAG/KEVERÉK ÉS A VÁLLALAT/VÁLLALKOZÁS AZONOSÍTÁSA

1.1. Termékazonosító

▼ *Terméknév:*

i.1 all-purpose cleaner FlexDose

1.2. Az anyag vagy keverék lényeges azonosított felhasználásai, illetve ellenjavallt felhasználásai

Az anyag vagy vegyület lényeges azonosított használatai:

Mosó- és tisztítószer (beleértve az oldószer alapúakat is)

Kizárólag szakmai felhasználó részére.

Ellenjavallt felhasználása:

Senki sem ismerős.

1.3. A biztonsági adatlap szállítójának adatai

Cég és cím:

Hygeniq B.V.

Postbus 618

7500 AP Enschede

The Netherlands

+31 53 4282860

+31 53 5393865

www.hygeniq.com

E-mail:

info@hygeniq.com

Felülvizsgálat:

2025. 06. 27.

BA verziószám:

2.0

Eredeti kiadás dátuma:

2025. 06. 02. (1.0)

1.4. Sürgősségi telefonszám

+36 80 201 199 (0-24 órában, díjmentesen hívható – csak Magyarországról)

Lásd a 4. szakasz: Elsősegélynyújtás.

2. SZAKASZ: A VESZÉLY AZONOSÍTÁSA

2.1. Az anyag vagy keverék besorolása

Az 1272/2008. sz. EK rendelet szerint nem besorolt.

2.2. Címkézési elemek

Veszélyt jelző piktogram(ok):

Nem alkalmazható.

Figyelmeztetés(ek):

Nem alkalmazható.

Figyelmeztető mondat(ok):

Nem alkalmazható.

Óvintézkedésre vonatkozó mondatok:

Általános:

-

Megelőzés:

-

Reakció:

-

Tárolás:

-

Hulladékkezelés:

-

Tartalmaz:

Nem tartalmaz olyan anyagokat, amelyek bejelentésre kötelezettek

További címkézés:

EUH210, Kérésre biztonsági adatlap kapható.

A tartalmat a tisztítószerekről szóló 648/2004 számú rendelet szerint kell címkézni. (a lakosság számára értékesített mosószerek csomagolására vonatkozik):

>5% - <15%

· Nem ionos felületaktív anyagok

< 5%

· Anionos felületaktív anyagok

· Oxigénalapú fehérítőszerek

· Illatanyagok

· Tartósítószer (BENZISOTHIAZOLINONE)

2.3. Egyéb veszélyek

További figyelmeztetések:

Ez a keverék/termék nem tartalmaz PBT és/vagy vPvB minősítésű anyagokat.

Ez a termék nem tartalmaz olyan anyagot, ami a Bizottság (EU) 2017/2100 felhatalmazáson alapuló rendeletében vagy a Bizottság (EU) 2023/707 rendeletében meghatározott kritériumokkal összhangban az endokrin rendszert károsító anyagnak tekintendő.

3. SZAKASZ: ÖSSZETÉTEL VAGY AZ ÖSSZETEVŐKRE VONATKOZÓ ADATOK

3.1. Anyagok

Nem alkalmazható. A termék keverék.

3.2. Keverékek

Termék / alkotóelem	Azonosítók	% w/w	Besorolás	Hivatkozás
Alcohol, C13, bran., EO, sulfate Na~	CAS-szám: 150413-26-6 EK-szám: 688-316-0 REACH: Indexszám:	1-3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 3, H412	
hidrogén-peroxid 35% (oldat)	CAS-szám: 7722-84-1 EK-szám: 231-765-0 REACH: 01-2119485845-22-XXXX Indexszám: 008-003-00-9	1-3%	Ox. Liq. 1, H271 Acute Tox. 4, H302 Skin Corr. 1A, H314 (SCL: 70,00 %) Skin Corr. 1B, H314 (SCL: 50,00 %) Skin Irrit. 2, H315 (SCL: 35,00 %) Eye Dam. 1, H318 (SCL: 8,00 %) Eye Irrit. 2, H319 (SCL: 5,00 %) Acute Tox. 4, H332	

			STOT SE 3, H336 (SCL: 35,00 %)	
citroenzuurmonohydraat	CAS-szám: 5949-29-1 EK-szám: 611-842-9 REACH: 01-2119457026-42-XXXX Indexszám:	<0.1%	Eye Irrit. 2, H319	
Disodium tin hexahydroxide	CAS-szám: 12027-70-2 EK-szám: 234-724-5 REACH: 01-2120770924-45-XXXX Indexszám:	<0.05%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	[1]

A H - mondat(ok) teljes szövegét ld. a 16. szakaszban. Az elérhető munkahelyi határértékek listája a 8. szakaszban található.

Egyéb információ:

[1] Európai foglalkoztatási expozíciós korlát.

4. SZAKASZ: ELSŐSEGÉLY-NYÚJTÁSI INTÉZKEDÉSEK

4.1. Az elsősegély-nyújtási intézkedések ismertetése

Általános információ:

Balesetkor hívjon orvost vagy a baleseti ügyeletet - mutassa meg a termék címkéjét vagy ezt a biztonsági adatlapot! Az orvos érintkezésbe léphet az Egészségügyi Toxikológiai Tájékoztató Szolgálat (Telefon: 06-80-201-199).

Hívjon orvost, ha a sérült személy állapota kétséges, vagy a tünetek nem szűnnek meg! Eszméletlen személynek soha ne adjon vizet vagy hasonlót!

Belégzés:

Légzési nehézségek vagy a légutak irritációja esetén: Kísérje friss levegőre a személyt, aki az anyagot belélegezte és ne hagyja magára!

Bőrrel való érintkezés:

Irritáció esetén: öblítse le a terméket. Abban az esetben, ha az irritáció továbbra is fennáll: Forduljon orvoshoz.

Szemmel való érintkezés:

Szembe kerülés esetén: A szemhéjat széthúzva alaposan mossa ki a szemét (20-30 °C-os vízzel) legalább 5 percen keresztül. Távolítsa el kontaktlencséjét! Forduljon orvoshoz!

Lenyelés:

Ha a személy eszméleténél van, öblítse ki a száját vízzel, és maradjon a személynél. és maradjon a személynél. Rosszullét esetén azonnal hívjunk orvost és mutassuk meg ezt az adatlapot vagy a termék címkéjét! Ne idézzon elő hányást, hacsak az orvos nem tanácsolja! Tartsa arccal lefelé a fejét, hogy a hányás ne kerüljön vissza a szájba és a torokba!

Égések:

Nem alkalmazható.

4.2. A legfontosabb – akut és késleltetett – tünetek és hatások

Senki sem ismerős.

4.3. A szükséges azonnali orvosi ellátás és különleges ellátás jelzése

Kezelje a tüneteknek megfelelően!

Tájékoztató orvosoknak

Vigye ezt a biztonsági adatlapot vagy a termék címkéjét!

5. SZAKASZ: TÚZOLTÁSI INTÉZKEDÉSEK

5.1. Oltóanyag

Nem alkalmazható.

5.2. Az anyaghoz vagy a keverékhez társuló különleges veszélyek

A tűz sűrű, füstöt eredményez. Bomlástermékekkel való érintkezés egészségkárosító lehet. A tűztől felhevült zárt tartályokat vízzel hűtse le! Ne öntsön tűzoltó vizet a csatornába vagy más víz
Ha a termék sugárzó hő hatásának van kitéve, illetve tűz esetén veszélyes bomlástermékek keletkeznek. Ezek:
Széndioxidok (CO / CO₂)

5.3. Tűzoltóknak szóló javaslat

Nincs különleges követelmény.

6. SZAKASZ: INTÉZKEDÉSEK VÉLETLENSZERŰ KÖRNYEZETBE JUTÁS ESETÉN

6.1. Személyi óvintézkedések, egyéni védoeszközök és vészhelyzeti eljárások

A szennyezett területek csúszósak lehetnek.

6.2. Környezetvédelmi óvintézkedések

Kerülje a termék felszíni/talajvízbe, csatornába, jutását.

Tartsa távol az illetéktelen személyeket a kiömléstől

6.3. A területi elhatárolás és a szennyezésmentesítés módszerei és anyagai

A kiömlött/kifolyt anyagot nem éghető, nedvszívó anyaggal kell felfogni és összegyűjteni, pl. homokkal, földdel, vermikulittal vagy kovafölddel; ezeket gyűjtse össze egy tartályba a helyi előírások szerinti ártalmatlanításhoz. Ameddig lehet, csak normál tisztítószerrel tisztítsunk! Kerüljük az oldószereket!

6.4. Hivatkozás más szakaszokra

A hulladékok kezelésére vonatkozóan ld. Az 13 "Ártalmatlanítási szempontok" c. fejezetet!

Az óvintézkedésekre vonatkozóan ld. 8 "Az expozíció elleni védekezés/egyéni védelem" c. fejezetet!

7. SZAKASZ: KEZELÉS ÉS TÁROLÁS

7.1. A biztonságos kezelésre irányuló óvintézkedések

Dohányzás, étel, ital fogyasztása, valamint dohányáru, étel, ital tárolása tilos a munkavégzés helyén!

A személyi óvintézkedésekre vonatkozóan ld. "Az expozíció elleni védekezés/egyéni védelem" c. fejezetet!

7.2. A biztonságos tárolás feltételei, az esetleges összeférhetlenséggel együtt

A már nyitott tartályokat gondosan vissza kell zárni, és a kifolyás megelőzésére, függőlegesen tárolni.

A csomagolóanyagok kompatibilitása:

Az eredeti csomagolásban tartandó.

Tárolási feltételek:

Száraz, hűvös és jól szellőző

Összeférhetlenség:

Erős savak, lúgok, erős oxidálódó és bomlástermékek.

7.3. Meghatározott végfelhasználás (végfelhasználások)

A terméket csak az 1.2 fejezetben leírt célokra szabad használni!

8. SZAKASZ: AZ EXPOZÍCIÓ ELLENI VÉDEKEZÉS/EGYÉNI VÉDELEM

8.1. Ellenőrzési paraméterek

A termék nem tartalmaz a munkahelyi expozíciós határokkal rendelkező anyagok magyar listáján felsorolt anyagokat.

DNEL

1,2-benzizotiazol-3(2H)-on; 1,2-benzizotiazolin-3-on; 1,2-benzizotiazolin-3-on

Időtartam:	Expozíciós út:	DNEL:
Hosszú távú – szisztémás hatások – általános lakosság	Belélegzés	1.2 mg/m ³
Hosszú távú – szisztémás hatások – munkavállalók	Belélegzés	6.81 mg/m ³

Hosszú távú – szisztémás hatások – általános lakosság	Bőrön át	0.345 mg/kg
Hosszú távú – szisztémás hatások – munkavállalók	Bőrön át	966 µg/kg/nap

Disodium tin hexahydroxide

Időtartam:	Expozíciós út:	DNEL:
Hosszú távú – szisztémás hatások – általános lakosság	Belélegzés	1.78 mg/m ³
Hosszú távú – szisztémás hatások – munkavállalók	Belélegzés	11.9 mg/m ³
Hosszú távú – szisztémás hatások – általános lakosság	Bőrön át	1.21 mg/kg/nap
Hosszú távú – szisztémás hatások – munkavállalók	Bőrön át	3.37 mg/kg/nap
Hosszú távú – szisztémás hatások – általános lakosság	Szájon át	1.21 mg/kg/nap

hidrogén-peroxid 35% (oldat)

Időtartam:	Expozíciós út:	DNEL:
Hosszú távú – helyi hatások – általános lakosság	Belélegzés	0,21 mg/m ³
Hosszú távú – helyi hatások – általános lakosság	Belélegzés	210 µg/m ³
Hosszú távú – helyi hatások – munkavállalók	Belélegzés	1.4 mg/m ³
Rövid távú – helyi hatások – általános lakosság	Belélegzés	1.93 mg/m ³
Rövid távú – helyi hatások – munkavállalók	Belélegzés	3 mg/m ³

PNEC

1,2-benzizotiazol-3(2H)-on; 1,2-benzizotiazolin-3-on; 1,2-benzizotiazolin-3-on

Expozíciós út:	Expozíció időtartama:	PNEC:
Édesvíz		4.03 µg/L
Édesvízi üledék		49.9 µg/kg
Időszakos kibocsátás (édesvíz)		1.1 µg/L
Időszakos kibocsátás (tengervíz)		110 ng/L
Szennyvízkezelő telep		1.03 mg/L
Talaj		3 mg/kg
Tengervíz		403 ng/L
Tengervízi üledék		4.99 µg/kg

Disodium tin hexahydroxide

Expozíciós út:	Expozíció időtartama:	PNEC:
Édesvíz		33.1 µg/L
Édesvízi üledék		1.395 mg/kg
Időszakos kibocsátás (édesvíz)		331 µg/L
Időszakos kibocsátás (tengervíz)		33.1 µg/L
Szennyvízkezelő telep		10 mg/L
Tengervíz		3.31 µg/L
Tengervízi üledék		139.46 µg/kg

hidrogén-peroxid 35% (oldat)

Expozíciós út:	Expozíció időtartama:	PNEC:
Édesvíz		0,0126 mg/L
Édesvíz		12.6 µg/L
Édesvízi üledék		0,047 mg/kg
Édesvízi üledék		47 µg/kg

Időszakos kibocsátás (édesvíz)		13.8 µg/L
Szennyvízkezelő telep		4.66 mg/L
Szennyvízkezelő telep		4.66 mg/L
Talaj		0,023 mg/kg
Talaj		2.3 µg/kg
Tengervíz		0,047 mg/L
Tengervíz		12.6 µg/L
Tengervízi üledék		0,047 mg/L
Tengervízi üledék		47 µg/kg

8.2. Az expozíció elleni védekezés

Használjon általános szabályozást a szükségtelen expozíció megelőzése érdekében.

Általános javaslatok:

Dohányzás, étel, ital fogyasztása, valamint dohányáru, étel, ital tárolása tilos a munkavégzés helyén!

Expozíciós forgatókönyv:

A termékre vonatkozóan nem dolgoztak ki expozíciós forgatókönyvet.

Expozíciós hatások:

A termékben megtalálható anyagokra nincs előírva maximum expozíciós határ.

Megfelelő műszaki intézkedések:

A termék használatakor végezze el a szokásos óvintézkedéseket. Kerülje el a gőzök belégzését.

Higiéniai intézkedések:

Bármikor szünetet tart vagy befejezi a termék használatát, minden szennyezett testrészét mossa meg! Különös figyelmet kell fordítani a kézre, az alkarra és az arcra.

A környezeti expozíció ellenőrzése:

Nincs különleges követelmény.

Egyéni óvintézkedések, úgy mint személyi védőfelszerelések

Általánosan:

Kizárólag CE jelzéssel ellátott védőfelszerelést használjon.

Légutak védelme:

Típus	Osztály	Szín	Szabványokra	
Semmilyen speciális, amikor a rendeltetésnek megfelelően használják.				

Bőrvédelem:

Ajánlott	Típusú/Kategóriájú	Szabványokra	
Semmilyen speciális, amikor a rendeltetésnek megfelelően használják	-	-	

Kézvédelem:

Munkaállomás	Anyag	Minimális réteg vastagság (mm)	Áteresztési ideje (percig)	Szabványokra	
	Semmilyen speciális, amikor a rendeltetésnek megfelelően használják	-	-	-	

Munkaállomás	Anyag	Minimális réteg vastagság (mm)	Áteresztési ideje (percig)	Szabványokra	
Hosszú ideig tartó expozíció vagy magas koncentrációk esetén	Pamutból / Természetes kaucsuk	-	> 120	EN374-2, EN16523-1, EN388	

Szemvédelem:

Munkaállomás	Típus	Szabványokra	
	Semmilyen speciális, amikor a rendeltetésnek megfelelően használják.	-	
Hosszú ideig tartó expozíció vagy magas koncentrációk esetén	Viseljen oldalvédővel rendelkező védőszemüveget!	EN166	

9. SZAKASZ: FIZIKAI ÉS KÉMIAI TULAJDONSÁGOK

9.1. Az alapvető fizikai és kémiai tulajdonságokra vonatkozó információk

Forma:

Folyékony

Szín:

Színtelen

Szag / Szagküszöbérték (ppm):

Illatosított

pH:

ca. 4.8

Sűrűség (g/cm³):

1,02 (20 °C)

Kinematikus viszkozitás:

Nincs erre vonatkozó adat.

Részecskejellemzők:

Folyadékokra nem alkalmazandó.

Halmazállapot változások

Olvadáspont/fagyáspont (°C):

Nincs erre vonatkozó adat.

Lágyuláspont/lágyulásponttartomány (°C):

Folyadékokra nem alkalmazandó.

Forráspont (°C):

Nincs erre vonatkozó adat.

Gőzsűrűség:

Nincs erre vonatkozó adat.

Relatív gőzsűrűség:

Nincs erre vonatkozó adat.

Bomlási hőmérséklet (°C):

Nincs erre vonatkozó adat.

Tűz-és robbanásveszélyességi adatok

Lobbanási pont (°C):

Nincs erre vonatkozó adat.

Tűzveszélyesség (°C):

Nincs erre vonatkozó adat.

Öngyulladási hőmérséklet (°C):

Nincs erre vonatkozó adat.

Lobbanási határ (% v/v):

Nincs erre vonatkozó adat.

Oldódás

Vízben oldódás:

Teljes mértékben oldódik

n-octanol/vízzel együtttható (LogKow):

Nincs erre vonatkozó adat.

Zsírban oldódás (g/L):

Nincs erre vonatkozó adat.

9.2. Egyéb információk

Egyéb fizikai vagy kémiai paramétereiket:

Nincs erre vonatkozó adat.

Oxidációs jellemzők:

Nincs erre vonatkozó adat.

10. SZAKASZ: STABILITÁS ÉS REAKCIÓKÉSZSÉG

10.1. Reakciókészség

Nincs erre vonatkozó adat.

10.2. Kémiai stabilitás

A 7 "Kezelés és tárolás" fejezetben leírt körülmények között a termék szilárd.

10.3. A veszélyes reakciók lehetősége

Senki sem ismerős.

10.4. Kerülendő körülmények

Senki sem ismerős.

10.5. Nem összeférhető anyagok

Erős savak, lúgok, erős oxidálódó és bomlástermékek.

10.6. Veszélyes bomlástermékek

Normál tárolási és felhasználási körülmények között veszélyes bomlástermékek nem keletkezhetnek.

11. SZAKASZ: TOXIKOLÓGIAI ADATOK

11.1. Az 1272/2008/EK rendeletben meghatározott, veszélyességi osztályokra vonatkozó információk

Akut toxicitás

Termék / alkotóelem	hidrogén-peroxid 35% (oldat)
Fajták:	Patkány
Expozíció iránya:	Szájon át
Teszt:	LD50
Eredmény:	1.193 - 1.270 mg/L

Termék / alkotóelem	hidrogén-peroxid 35% (oldat)
Fajták:	Nyúl
Expozíció iránya:	Bőrön át
Teszt:	LD50
Eredmény:	>2.000 (35% oplossing) mg/kg

Termék / alkotóelem	1,2-benzizotiazol-3(2H)-on; 1,2-benzizotiazolin-3-on;1,2-benzizotiazolin-3-on
Fajták:	Patkány
Expozíció iránya:	Szájon át
Teszt:	LD50

Eredmény: 500 mg/kg

A rendelkezésre álló adatok alapján az osztályozás kritériumai nem teljesülnek.

Bőrirritáció

Termék / alkotóelem hidrogén-peroxid 35% (oldat)
Eredmény: Káros hatások figyelhetők meg (Irritáló)

Termék / alkotóelem 1,2-benzizotiazol-3(2H)-on; 1,2-benzizotiazolin-3-on; 1,2-benzizotiazolin-3-on
Vizsgálati módszer: OECD 404
Eredmény: Káros hatások figyelhetők meg (Irritáló)

A rendelkezésre álló adatok alapján az osztályozás kritériumai nem teljesülnek.

Súlyos szemkárosodás/szemirritáció

Termék / alkotóelem hidrogén-peroxid 35% (oldat)
Eredmény: Káros hatások figyelhetők meg (Súlyos szemkárosodást okoz)

Termék / alkotóelem 1,2-benzizotiazol-3(2H)-on; 1,2-benzizotiazolin-3-on; 1,2-benzizotiazolin-3-on
Vizsgálati módszer: OECD 405
Eredmény: Káros hatások figyelhetők meg (Súlyos szemkárosodást okoz)

A rendelkezésre álló adatok alapján az osztályozás kritériumai nem teljesülnek.

Légzőszervi szenzibilizáció

Termék / alkotóelem hidrogén-peroxid 35% (oldat)
Eredmény: Káros hatások nem figyelhetők meg (nem érzékenyítő)

A rendelkezésre álló adatok alapján az osztályozás kritériumai nem teljesülnek.

Bőrszenzibilizáció

Termék / alkotóelem 1,2-benzizotiazol-3(2H)-on; 1,2-benzizotiazolin-3-on; 1,2-benzizotiazolin-3-on
Vizsgálati módszer: OECD 429
Fajta: Egér
Eredmény: Káros hatások figyelhetők meg (szenzibilizáló)

Termék / alkotóelem 1,2-benzizotiazol-3(2H)-on; 1,2-benzizotiazolin-3-on; 1,2-benzizotiazolin-3-on
Vizsgálati módszer: OECD 406
Fajta: Tengerimalac
Eredmény: Káros hatások figyelhetők meg (szenzibilizáló)

A rendelkezésre álló adatok alapján az osztályozás kritériumai nem teljesülnek.

Csírasejt-mutagenitás

A rendelkezésre álló adatok alapján az osztályozás kritériumai nem teljesülnek.

Rákkeltő hatás

Termék / alkotóelem hidrogén-peroxid 35% (oldat)
Következtetés: Káros hatások nem figyelhetők meg

A rendelkezésre álló adatok alapján az osztályozás kritériumai nem teljesülnek.

Reprodukciós toxicitás

Termék / alkotóelem hidrogén-peroxid 35% (oldat)
Következtetés: Káros hatások nem figyelhetők meg

A rendelkezésre álló adatok alapján az osztályozás kritériumai nem teljesülnek.

Egyetlen expozíció utáni célszervi toxicitás (STOT)

A rendelkezésre álló adatok alapján az osztályozás kritériumai nem teljesülnek.

Ismétlődő expozíció utáni célszervi toxicitás (STOT)

A rendelkezésre álló adatok alapján az osztályozás kritériumai nem teljesülnek.

Aspirációs veszély

Termék / alkotóelem hidrogén-peroxid 35% (oldat)

A rendelkezésre álló adatok alapján az osztályozás kritériumai nem teljesülnek.

11.2. Egyéb veszélyekkel kapcsolatos információ

Hosszantartó hatások

Senki sem ismerős.

Endokrin károsító tulajdonságok

A keverék/termék nem tartalmaz az egészséggel kapcsolatban hormonzavaró tulajdonságokkal rendelkező anyagokat.

Egyéb információk

hidrogén-peroxid 35% (oldat): A készítmény az IARC által a 3. csoportba sorolt.

12. SZAKASZ: ÖKOLÓGIAI ADATOK

12.1. Toxicitás

Termék / alkotóelem	hidrogén-peroxid 35% (oldat)
Fajták:	Hal, Pimephales promelas
Időtartam:	96 órás
Teszt:	LC50
Eredmény:	16,4 mg/L

Termék / alkotóelem	hidrogén-peroxid 35% (oldat)
Fajták:	Hal, Leuciscus idus
Időtartam:	72 órás
Teszt:	LC50
Eredmény:	35 mg/L

Termék / alkotóelem	hidrogén-peroxid 35% (oldat)
Fajták:	Hal, Oncorhynchus mykiss
Időtartam:	7 napon
Teszt:	LC50
Eredmény:	38,5 mg/L

Termék / alkotóelem	hidrogén-peroxid 35% (oldat)
Fajták:	Daphnia pulex
Időtartam:	48 órás
Teszt:	EC50
Eredmény:	2,4 mg/L

Termék / alkotóelem	hidrogén-peroxid 35% (oldat)
Fajták:	Daphnia magna
Időtartam:	24 órás
Teszt:	EC50
Eredmény:	7,7 mg/L

Termék / alkotóelem	hidrogén-peroxid 35% (oldat)
Fajták:	Skeletonema costatum
Időtartam:	72 órás
Teszt:	EC50
Eredmény:	1,38 mg/L

Termék / alkotóelem	hidrogén-peroxid 35% (oldat)
Vizsgálati módszer:	OECD 209
Fajták:	Baktériumok
Környezeti közeg:	Eleveniszap-kezelő telep
Időtartam:	30 minutes
Teszt:	EC50
Eredmény:	466 mg/L

Termék / alkotóelem	hidrogén-peroxid 35% (oldat)
Vizsgálati módszer:	OECD 209
Fajták:	Baktériumok
Környezeti közeg:	Eleveniszap-kezelő telep

Időtartam: 3 órás
Teszt: EC50
Eredmény: > 1.000 mg/L

Termék / alkotóelem 1,2-benzizotiazol-3(2H)-on; 1,2-benzizotiazolin-3-on;1,2-benzizotiazolin-3-on
Fajták: Hal
Időtartam: 96 órás
Teszt: LC50
Eredmény: >0.1-1 mg/L

Termék / alkotóelem 1,2-benzizotiazol-3(2H)-on; 1,2-benzizotiazolin-3-on;1,2-benzizotiazolin-3-on
Fajták: Rákféle
Időtartam: 48 órás
Teszt: EC50
Eredmény: >0.1-1 mg/L

Termék / alkotóelem 1,2-benzizotiazol-3(2H)-on; 1,2-benzizotiazolin-3-on;1,2-benzizotiazolin-3-on
Fajták: Alga
Időtartam: 72 órás
Teszt: EC50
Eredmény: >0.1-1 mg/L

A rendelkezésre álló adatok alapján az osztályozás kritériumai nem teljesülnek.

12.2. Perzisztencia és lebonthatóság

Termék / alkotóelem Alcohol, C13, bran., EO, sulfate Na~
Eredmény: > 60 %
Következtetés: Könnyű biolebonthatóság
Teszt: OECD 301 B

Termék / alkotóelem hidrogén-peroxid 35% (oldat)
Következtetés: Könnyű biolebonthatóság

Termék / alkotóelem 1,2-benzizotiazol-3(2H)-on; 1,2-benzizotiazolin-3-on;1,2-benzizotiazolin-3-on
Eredmény: 90%
Következtetés: Könnyű biolebonthatóság
Teszt: OECD 302

A preparátumban található felületaktív anyagok(k) megfelel(nek) a tisztítószerre vonatkozó, (EC) No.648/2004 számú szabályzatban lefektetett biológiai lebomlási kritériumoknak. Az ezt alátámasztó adatok mindenkor a Tagállamok illetékes szerveinek a rendelkezésére állnak, és közvetlen kérésükre vagy a tisztítószer gyártó kérésére megtekinthetők.

12.3. Bioakkumulációs képesség

Termék / alkotóelem hidrogén-peroxid 35% (oldat)
LogKow: -1,57
Következtetés: -

Termék / alkotóelem 1,2-benzizotiazol-3(2H)-on; 1,2-benzizotiazolin-3-on;1,2-benzizotiazolin-3-on
BKF: 2
LogKow: 1.45
Következtetés: Potenciális felhalmozódása a szervezetben alacsony

12.4. A talajban való mobilitás

Nincs erre vonatkozó adat.

12.5. A PBT- és a vPvB-értékelés eredményei

Ez a keverék/termék nem tartalmaz PBT és/vagy vPvB minősítésű anyagokat.

12.6. Endokrin károsító tulajdonságok

A keverék/termék nem tartalmaz a környezettel kapcsolatban endokrin-romboló tulajdonságokkal rendelkező anyagokat.

12.7. Egyéb káros hatások

Senki sem ismerős.

13. SZAKASZ: ÁRTALMATLANÍTÁSI SZEMPONTOK

13.1. Hulladékkezelési módszerek

Ez a termék veszélyes hulladékokra vonatkozó rendeletek szerint kezelendő! (*)

HP 4 - Irritáló – bőrirritáció és szemkárosodás

Veszélyes hulladékok: 2012. évi CLXXXV. törvény a hulladékról. 225/2015. (VIII. 7.) Korm. rendelet a veszélyes hulladékkal kapcsolatos egyes tevékenységek részletes szabályairól.

EWC kód:

20 01 30

Mosószeres, amelyek különböznek a 20 01 29-től

Szennyezett csomagolás

Maradékot tartalmazó tartályt ugyanúgy ártalmatlanítsuk, mint magát a terméket!

14. SZAKASZ: SZÁLLÍTÁSRA VONATKOZÓ INFORMÁCIÓK

	14.1 UN	14.2 Az ENSZ szerinti megfelelő szállítási megnevezés	14.3 Szállítási veszélyességi osztály(ok)	14.4 PG*	14.5. Env**	Egyéb információ:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Csomagolási csoport

** Környezeti veszélyek

Egyéb információ

Az ADR, IATA és az IMDG szabvány szerint nem tartozik a veszélyes áruk körébe.

14.6. A felhasználót érintő különleges óvintézkedések

Nem alkalmazható.

14.7. Az IMO-szabályok szerinti tengeri ömlesztett szállítás

Nincs erre vonatkozó adat.

15. SZAKASZ: SZABÁLYOZÁSSAL KAPCSOLATOS INFORMÁCIÓK

15.1. Az adott anyaggal vagy keverékkel kapcsolatos biztonsági, egészségügyi és környezetvédelmi előírások/jogszabályok

Alkalmazási korlátozások:

Kizárólag szakmai felhasználó részére.

Specifikus oktatásra vonatkozó követelmények:

Nincs különleges követelmény.

SEVESO - A veszélyes anyagok kategóriái / Megnevezett veszélyes anyagok:

Nem alkalmazható.

Rendelete a robbanóanyag-prekurzorok:

hidrogén-peroxid 35% (oldat) (Rendelet I)

A tartalmat a tisztítószerekről szóló 648/2004 számú rendelet szerint kell címkézni.:

>5% - <15%

· Nem ionos felületaktív anyagok

< 5%

· Anionos felületaktív anyagok

· Oxigénalapú fehérítőszeres

- Illatanyagok
- Tartósítószer (BENZISOTHIAZOLINONE)

Egyéb információ:

A preparátumban található felületaktív anyagok(k) megfelel(nek) a tisztítószerekre vonatkozó, (EC) No.648/2004 számú szabályzatban lefektetett biológiai lebomlási kritériumoknak. Az ezt alátámasztó adatok mindenkor a Tagállamok illetékes szerveinek a rendelkezésére állnak, és közvetlen kérésükre vagy a tisztítószer gyártó kérésére megtekinthetők.

Források:

Az Európai Parlament és a Tanács 648/2004/EK rendelet (2004. március 31.) a mosó- és tisztítószerokról.
Veszélyes hulladékok: 2012. évi CLXXXV. törvény a hulladékról. 225/2015. (VIII. 7.) Korm. rendelet a veszélyes hulladékkal kapcsolatos egyes tevékenységek részletes szabályairól.
A Tanács (EU) 2019/1148 Rendelete a robbanóanyag-prekurzorok.
Munkavédelem: 1993 évi XCIII. törvény a munkavédelemről és az ehhez kapcsolódó rendeletek.
5/2020 (II.6.) ITM rendelet a kémiai kóroki tényezők hatásának kitett munkavállalók egészségének és biztonságának védelméről.
44/2000 (XII. 27.) EüM rendelet a veszélyes anyagokkal és veszélyes készítményekkel kapcsolatos egyes eljárások, illetve tevékenységek részletes szabályairól.
Az Európai Parlament és a Tanács 1272/2008/EK rendelet (2008. december 16.) az anyagok és keverékek osztályozásáról, címkézéséről és csomagolásáról (CLP).
Az Európai Parlament és a Tanács 1907/2006/EK rendelete (2006. december 18 .) a vegyi anyagok regisztrálásáról, értékeléséről, engedélyezéséről és korlátozásáról (REACH).

15.2. Kémiai biztonsági értékelés

Nincs

16. SZAKASZ: EGYÉB INFORMÁCIÓK

A H mondatok teljes szövege, ahogyan a 3. szakaszban is említve volt

H271, Tűzet vagy robbanást okozhat; erősen oxidáló hatású.
H302, Lenyelve ártalmas.
H314, Súlyos égési sérülést és szemkárosodást okoz.
H315, Bőrirritáló hatású.
H318, Súlyos szemkárosodást okoz.
H319, Súlyos szemirritációt okoz.
H332, Belélegezve ártalmas.
H335, Légúti irritációt okozhat.
H336, Álomosságot vagy szédülést okozhat.
H412, Ártalmas a vízi élővilágra, hosszan tartó károsodást okoz.

Rövidítések és betűszavak

ADN = A Veszélyes Áruk Nemzetközi Belvízi Szállításáról szóló Európai Egyezmény
ADR = A Veszélyes Áruk Nemzetközi Közúti Szállításáról szóló Európai Egyezmény
ATE = Akut Toxicitás Becslése
BCF = Bio-koncentrációs Faktor
CAS = Vegyi anyag Nyilvántartási Szolgálat
CE = Európai megfelelés
CLP = Az Európai Parlament és a Tanács Rendelete az Anyagok és Keverékek Besorolásáról, Címkézéséről és Csomagolásáról [EK Rendelet No. 1272/2008]
CSA = Kémiai Biztonsági Értékelés
CSR = Kémiai Biztonsági Jelentés
DNEL = Származtatott Hatásmentes Szint
EINECS = Létező Kereskedelmi Anyagok Európai Jegyzéke
ES = Expozíciós Foratókönyv
EUH statement = CLP-specifikus Figyelmeztető mondat
EuPCS = Uniós termékbesorolási rendszer
EWC = Európai Hulladék Katalógus
GHS = Vegyi Anyagok Osztályozásának és Címkézésének Globálisan Harmonizált Rendszere
GWP = Globális felmelegedési potenciál
IATA = Nemzetközi Légi Szállítási Szövetség

IBC = Nagyméretű Csomagolóeszköz
IMDG = Veszélyes Áruk Nemzetközi Tengerészeti Kódexe
LogP_{ow} = log oktanol/víz megoszlási együttható
MARPOL = Hajókról történő Szennyezés Megelőzéséről szóló és az 1978. évi Jegyzőkönyvvel módosított 1973. évi Nemzetközi Egyezmény. ("Marpol = tengeri szennyezés)
OECD = Gazdasági Együttműködési és Fejlesztési Szervezet
PBT = Perzisztens, Bioakkumulatív és Mérgező
PNEC = Előre látható Hatástalan Koncentráció
RID = Veszélyes Áruk Nemzetközi Vasúti Fuvarozásáról szóló Szabályzat
RRN = REACH Regisztrációs Szám
SCL = A(z) anyagnak egyedi koncentrációs határértéke van.
SVHC = Különös Aggódalomra okot adó Anyagok
STOT-RE = Célszervi Toxicitás - Ismétlődő Expozíció
STOT-SE = Célszervi Toxicitás - Egyszeri Expozíció
TWA = Idővel súlyozott átlagos
UN = Egyesült Nemzetek
UVCB = Ismeretlen szerkezetű vagy változó összetételű, komplex reakcióban keletkezett vagy biológiai eredetű anyagok.
VOC = Illékony Szerves Vegyület
vPvB = Nagyon Perzisztens és Nagyon Bioakkumulatív

Egyéb információ

Nem alkalmazható.

A biztonsági adatlapot jóváhagyta:

Quality & Compliance

Egyéb

A BA (Biztonsági Adatlap) utolsó kiadásához képest történt változást háromszög jelzi.

Ezen biztonsági adatlapban lévő információk kizárólag erre a bizonyos termékre vonatkoznak, (ld. 1. szakasz) és nem szükségszerűen helyes más vegyszerek/termékek használatára.

Javasolt ezen biztonsági adatlap átadása az aktuális termék felhasználónak. Ezen biztonsági adatlapban lévő információk nem használandók termék specifikációként.

Országnyelv: HU-hu

LEMBAR DATA KESELAMATAN

i.1 all-purpose cleaner FlexDose

1: IDENTIFIKASI ZAT/SEDIAAN DAN PERUSAHAAN/YANG MENANGANI

1.1. Pengenal produk

▼ *Nama produk:*

i.1 all-purpose cleaner FlexDose

1.2. Penggunaan zat atau campuran yang relevan dan penggunaan yang tidak dianjurkan

Penggunaan-penggunaan yang dianjurkan:

Deterjen dan bahan pembersih (termasuk yang berbasis pelarut)
Terbatas untuk penggunaan industri dan para profesional.

Penggunaan yang tidak disarankan:

Tidak diketahui.

1.3. Rincian pemasok lembar data keselamatan

Rincian perusahaan:

Hygeniq B.V.

Postbus 618
7500 AP Enschede
The Netherlands
+31 53 4282860
+31 53 5393865
www.hygeniq.com

Email:

info@hygeniq.com

Tanggal SDS:

27/06/2025

Versi SDS:

2.0

Tanggal terbitan sebelumnya:

02/06/2025 (1.0)

1.4. Nomor telepon darurat

Jika timbul kondisi darurat, hubungi 112 (layanan 24 jam)

Lihat bagian 4: Tindakan pertolongan pertama

2: IDENTIFIKASI BAHAYA

2.1. Klasifikasi bahaya produk (senyawa / campuran)

Tidak diklasifikasi menurut Nomor peraturan 23/M-IND/PER/4/2013 (GHS).

2.2. Elemen label

Piktogram (simbol bahaya):

Tidak berlaku.

Kata sinyal:

Tidak berlaku.

Pernyataan Bahaya:

Tidak berlaku.

Pernyataan Kehati-hatian:

Umum:

-

Pencegahan:

-

Tanggapan:

-

Penyimpanan:

-

Pembuangan:

-

Komponen-komponen yang berbahaya:

Tidak mengandung bahan apa pun yang perlu dilaporkan

Pelabelan tambahan:

Tidak berlaku.

3: KOMPOSISI / INFORMASI TENTANG BAHAN PENYUSUN SENYAWA TUNGGAL

3.1. Zat

Tidak berlaku. Produk ini adalah campuran.

3.2. Campuran

Produk/bahan	Pengidentifikasi	% w/w	Klasifikasi	Catatan
Alcohol, C13, bran., EO, sulfate Na~	CAS: 150413-26-6 EC: 688-316-0	1-3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 3, H412	
hydrogen peroxide	CAS: 7722-84-1 EC: 231-765-0	1-3%	Ox. Liq. 1, H271 Acute Tox. 4, H302 Skin Corr. 1A, H314 (SCL: 70,00 %) Skin Corr. 1B, H314 (SCL: 50,00 %) Skin Irrit. 2, H315 (SCL: 35,00 %) Eye Dam. 1, H318 (SCL: 8,00 %) Eye Irrit. 2, H319 (SCL: 5,00 %) Acute Tox. 4, H332 STOT SE 3, H336 (SCL: 35,00 %)	
citroenzuurmonohydraat	CAS: 5949-29-1 EC: 611-842-9	<0.1%	Eye Irrit. 2, H319	

Lihat teks lengkap frase-H pada bagian 16. Batas paparan kerja tercantum di bagian 8, jika sudah tersedia.

Informasi Lain

-

4: TINDAKAN PERTOLONGAN PERTAMA PADA KECELAKAAN

4.1. Deskripsi langkah-langkah pertolongan pertama

Umum:

Jika terjadi kecelakaan: Hubungi dokter atau bagian kecelakaan – bawa label atau lembar data keselamatan ini. Hubungi dokter jika ragu-ragu dengan kondisi korban cedera atau jika gejalanya terus berlanjut. Jangan sekali-kali memberi minum korban tak sadarkan diri dengan air putih atau minuman lain.

Penghirupan:

Jika badan terasa tidak nyaman: bawa penderita ke tempat berudara segar.

Kena kulit:

Saat terjadi iritasi: bilas dengan air. Jika iritasi berlanjut, cari bantuan medis.

Kena mata:

Bilas perlahan dengan air hangat. Lepaskan semua lensa kontak jika ini mudah dilakukan. Lanjutkan membilas. Jika terjadi iritasi atau rasa tidak nyaman pada mata yang terus-menerus: Cari bantuan medis.

Tertelan:

Cuci dan bilas mulut sampai bersih dan minum air dalam jumlah banyak. Jika kondisi tak nyaman terus berlanjut: cari bantuan medis dan bawa lembar data keselamatan ini.

Luka bakar:

Tidak berlaku.

4.2. Gejala-gejala dan efek-efek yang utama, baik yang akut maupun tertunda

Tidak diketahui.

4.3. Petunjuk pertolongan pertama dan perawatan khusus yang diperlukan

Tangani sesuai gejala.

Catatan untuk dokter

Bawa lembar data keselamatan ini atau label.

5: TINDAKAN PEMADAMAN KEBAKARAN

5.1. Media pemadam kebakaran/api

Tidak berlaku.

5.2. Bahaya-bahaya khusus yang akan muncul dari zat atau campuran

Kebakaran akan menyebabkan asap pekat. Paparan dari produk pembakaran bisa merusak kesehatan Anda. Wadah tertutup, yang terpapar api, harus didinginkan dengan air. Jangan biarkan air pemadam kebakaran masuk ke dalam sistem saluran air atau genangan air di sekitar.

Jika produk terpapar suhu tinggi, misalnya kebakaran, muncul senyawa dekomposisi yang berbahaya. Senyawa tersebut adalah:

Karbon oksida (CO / CO₂)

5.3. Saran untuk pemadam kebakaran

Tidak ada persyaratan khusus.

6: TINDAKAN PENANGGULANGAN JIKA TERJADI TUMPAHAN DAN KEBOCORAN

6.1. Langkah-langkah pencegahan diri, alat pelindung dan prosedur tanggap darurat

Area yang terkontaminasi mungkin licin.

6.2. Langkah-langkah pencegahan bagi lingkungan

Hindari kebocoran ke danau, sungai, saluran air, dll.

Jauhkan orang yang tidak berwenang dari tumpahan

6.3. Metode dan bahan penangkalan (containment) dan pembersihan

Tampung dan kumpulkan tumpahan dengan bahan penyerap yang tidak mudah terbakar, seperti pasir, tanah, tanah vermikulit atau diatom dan tempatkan dalam penampung yang sesuai untuk pembuangan berdasarkan peraturan lokal.

Jika memungkinkan, pembersihan dilakukan menggunakan bahan pembersih normal. Hindari penggunaan pelarut.

6.4. Referensi ke bagian-bagian lain

Lihat bagian 13 untuk tambahan informasi mengenai pembuangan limbah.

Lihat Bagian 8 untuk tambahan informasi kontrol paparan/perlindungan diri.

7: PENANGANAN DAN PENYIMPANAN

7.1. Langkah-langkah pencegahan untuk penanganan yang aman

Dilarang merokok, minum, dan makan di tempat kerja.

Lihat bagian 'Kontrol paparan/perlindungan diri' untuk informasi tentang perlindungan diri.

7.2. Kondisi untuk penyimpanan yang aman, termasuk inkompatibilitas

Material penyimpanan yang direkomendasikan:

Jaga hanya disimpan dalam wadah aslinya.

Kondisi penyimpanan:

Kering, dingin, dan baik ventilasinya

Bahan-bahan yang tidak tercampurkan:

Asam kuat, basa kuat, bahan pengoksidasi kuat, dan bahan pereduksi kuat.

7.3. Kegunaan(-kegunaan) akhir spesifik

Produk ini hanya boleh digunakan untuk penerapan yang tercantum di bagian 1.2.

8: KONTROL PAPARAN / PERLINDUNGAN DIRI

8.1. Paramater pengendalian

Tidak ada zat yang terdaftar dengan batas paparan pekerjaan.

8.2. Pengendalian paparan

Terapkan kontrol umum untuk mencegah paparan yang tidak perlu.

Rekomendasi umum:

Dilarang merokok, minum, dan makan di tempat kerja.

Skenario paparan:

Tidak ada skenario paparan yang diterapkan untuk produk ini.

Nilai batas paparan:

Batas paparan kerja belum ditetapkan untuk zat-zat yang terkandung dalam produk ini.

Teknik pengendalian yang benar:

Terapkan tindakan pencegahan standar saat menggunakan produk. Hindari menghirup uap.

Tindakan Higienis:

Cuci tangan setelah penggunaan.

Pengendalian pemaparan lingkungan:

Tidak ada persyaratan khusus.

Tindakan perlindungan diri

Umum:

Cukup gunakan peralatan pelindung bertanda CE.

Perlindungan pernapasan:

Tipe	Kelas	Warna	Standar	
Tidak ada yang istimewa jika digunakan sesuai aturan				

Perlindungan tubuh:

Disarankan	Tipe / Kategori	Standar	
Tidak ada yang istimewa jika digunakan sesuai aturan	-	-	

Perlindungan tangan:

Kondisi kerja	Bahan	Ketebalan sarung tangan (mm)	Waktu tembus (menit)	Standar	
	Tidak ada yang istimewa jika digunakan sesuai aturan	-	-	-	
Jika paparan berkepanjangan atau konsentrasi tinggi	Katun/Lateks	-	> 120	EN374-2, EN16523-1, EN388	

Perlindungan mata:

Kondisi kerja	Tipe	Standar	
	Tidak ada yang istimewa jika digunakan sesuai aturan	-	
Jika paparan berkepanjangan atau konsentrasi tinggi	Kacamata pelindung dengan pelindung samping	EN166	

9: SIFAT FISIKA DAN KIMIA

9.1. Informasi sifat-sifat fisika dan kimia dasar

Bentuk fisik:

Cairan

Warna:

Bening

Bau:

Parfum

Ambang batas bau (ppm):

Data tidak tersedia.

pH:

ca. 4.8

Kerapatan (densitas) relatif (g/cm³):

1,02 (20 °C)

Kekentalan (viskositas):

Data tidak tersedia.

Karakteristik partikel:

Ne primjenjuje se na tekućine.

Perubahan fase

Titik lebur / titik beku (°C):

Data tidak tersedia.

Titik pelunakan/rentang (°C):

Ne primjenjuje se na tekućine.

Titik didih/jarak didih (°C):

Data tidak tersedia.

Tekanan uap:

Data tidak tersedia.

Rapat (densitas) uap:

Data tidak tersedia.

Suhu penguraian (°C):

Data tidak tersedia.

Laju penguapan:

Data tentang bahaya kebakaran dan ledakan

Titik nyala (°C):

Data tidak tersedia.

Kemudahan-menyala (°C):

Data tidak tersedia.

Suhu dapat membakar sendiri (°C):

Data tidak tersedia.

Batas atas/bawah kemudahan terbakar atau batasan meledak (% v/v):

Data tidak tersedia.

Kelarutan

Kelarutan dalam air:

Terlalu mudah larut

Koefisien partisi (LogKow):

Data tidak tersedia.

Kelarutan dalam lemak (g/L):

Data tidak tersedia.

9.2. Informasi Lain

Parameter fisik dan kimia lainnya:

Data tidak tersedia.

Sifat pengoksidasi:

Data tidak tersedia.

10: STABILITAS DAN REAKTIFITAS

10.1. Reaktivitas

Data tidak tersedia.

10.2. Stabilitas kimia

Produk stabil dalam kondisi seperti yang tercantum di bagian 7 "Penanganan dan penyimpanan".

10.3. Reaksi berbahaya yang mungkin di bawah kondisi spesifik / khusus

Tidak diketahui.

10.4. Kondisi yang harus dihindari

Tidak diketahui.

10.5. Bahan-bahan yang tidak tercampurkan

Asam kuat, basa kuat, bahan pengoksidasi kuat, dan bahan pereduksi kuat.

10.6. Hasil penguraian yang berbahaya

Saat disimpan dan digunakan dalam kondisi normal, produk dekomposisi berbahaya tidak boleh dihasilkan.

11: INFORMASI TOKSIKOLOGI

11.1. Informasi efek-efek toksikologi

Toksisitas akut

Produk/bahan	hydrogen peroxide
Spesies:	Tikus besar
Rute Paparan:	Lisan
Uji:	LD50
Hasil:	1.193 - 1.270 mg/L

Produk/bahan	hydrogen peroxide

Menurut Nomor peraturan 23/M-IND/PER/4/2013 (GHS)

Spesies:	Kelinci
Rute Paparan:	Kulit
Uji:	LD50
Hasil:	>2.000 (35% oplossing) mg/kg

Produk/bahan	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Spesies:	Tikus besar
Rute Paparan:	Lisan
Uji:	LD50
Hasil:	500 mg/kg

Berdasarkan data yang tersedia, kriteria klasifikasi tidak terpenuhi.

Iritasi/korosif

Produk/bahan	hydrogen peroxide
Hasil:	Efek tak diinginkan teramati (Menimbulkan iritasi)

Produk/bahan	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Metode pengujian:	OECD 404
Hasil:	Efek tak diinginkan teramati (Menimbulkan iritasi)

Berdasarkan data yang tersedia, kriteria klasifikasi tidak terpenuhi.

Kerusakan/iritasi mata berat

Produk/bahan	hydrogen peroxide
Hasil:	Efek tak diinginkan teramati (Menyebabkan kerusakan serius pada mata)

Produk/bahan	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Metode pengujian:	OECD 405
Hasil:	Efek tak diinginkan teramati (Menyebabkan kerusakan serius pada mata)

Berdasarkan data yang tersedia, kriteria klasifikasi tidak terpenuhi.

Kepekaan pernafasan

Produk/bahan	hydrogen peroxide
Hasil:	Efek tak diinginkan tidak teramati (tidak membuat peka)

Berdasarkan data yang tersedia, kriteria klasifikasi tidak terpenuhi.

Kepekaan kulit

Produk/bahan	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Metode pengujian:	OECD 429
Spesies:	Tikus
Hasil:	Efek tak diinginkan teramati (membuat peka)

Produk/bahan	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Metode pengujian:	OECD 406
Spesies:	Marmut
Hasil:	Efek tak diinginkan teramati (membuat peka)

Berdasarkan data yang tersedia, kriteria klasifikasi tidak terpenuhi.

Mutagenisitas sel kuman

Berdasarkan data yang tersedia, kriteria klasifikasi tidak terpenuhi.

Karsinogenisitas

Produk/bahan	hydrogen peroxide
Kesimpulan:	Efek tak diinginkan tidak teramati

Berdasarkan data yang tersedia, kriteria klasifikasi tidak terpenuhi.
hydrogen peroxide : Zat ini telah dikelompokkan sebagai grup 3 oleh IARC.

Toksisitas reproduktif

Produk/bahan	hydrogen peroxide
Kesimpulan:	Efek tak diinginkan tidak teramati

Berdasarkan data yang tersedia, kriteria klasifikasi tidak terpenuhi.

Tosisitas sistemik pada organ target spesifik karena paparan tunggal

Berdasarkan data yang tersedia, kriteria klasifikasi tidak terpenuhi.

Toksisitas sistemik pada organ target spesifik karena paparan berulang

Berdasarkan data yang tersedia, kriteria klasifikasi tidak terpenuhi.

Bahaya aspirasi

Produk/bahan hydrogen peroxide

Berdasarkan data yang tersedia, kriteria klasifikasi tidak terpenuhi.

Berpotensi efek kesehatan yang kronis

Tidak diketahui.

12: INFORMASI EKOLOGI

12.1. Toksisitas

Produk/bahan hydrogen peroxide
Spesies: Ikan, Pimephales promelas
Durasi: 96 jam
Uji: LC50
Hasil: 16,4 mg/L

Produk/bahan hydrogen peroxide
Spesies: Ikan, Leuciscus idus
Durasi: 72 jam
Uji: LC50
Hasil: 35 mg/L

Produk/bahan hydrogen peroxide
Spesies: Ikan, Oncorhynchus mykiss
Durasi: 7 hari
Uji: LC50
Hasil: 38,5 mg/L

Produk/bahan hydrogen peroxide
Spesies: Daphnia pulex
Durasi: 48 jam
Uji: EC50
Hasil: 2,4 mg/L

Produk/bahan hydrogen peroxide
Spesies: Daphnia magna
Durasi: 24 jam
Uji: EC50
Hasil: 7,7 mg/L

Produk/bahan hydrogen peroxide
Spesies: Skeletonema costatum
Durasi: 72 jam
Uji: EC50
Hasil: 1,38 mg/L

Produk/bahan hydrogen peroxide
Metode pengujian: OECD 209
Spesies: Bakteri
Lingkungan: Pabrik Limbah Padat Aktif
Durasi: 30 minutes
Uji: EC50
Hasil: 466 mg/L

Produk/bahan hydrogen peroxide

Menurut Nomor peraturan 23/M-IND/PER/4/2013 (GHS)

Metode pengujian:	OECD 209
Spesies:	Bakteri
Lingkungan:	Pabrik Limbah Padat Aktif
Durasi:	3 jam
Uji:	EC50
Hasil:	> 1.000 mg/L

Produk/bahan	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Spesies:	Ikan
Durasi:	96 jam
Uji:	LC50
Hasil:	>0.1-1 mg/L

Produk/bahan	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Spesies:	Krustasea
Durasi:	48 jam
Uji:	EC50
Hasil:	>0.1-1 mg/L

Produk/bahan	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Spesies:	Ganggang
Durasi:	72 jam
Uji:	EC50
Hasil:	>0.1-1 mg/L

Berdasarkan data yang tersedia, kriteria klasifikasi tidak terpenuhi.

12.2. Ketahanan dan tingkat degradasi

Produk/bahan	Alcohol, C13, bran., EO, sulfate Na~
Hasil:	> 60 %
Kesimpulan:	Mudah terurai secara hayati
Uji:	OECD 301 B

Produk/bahan	hydrogen peroxide
Kesimpulan:	Mudah terurai secara hayati

Produk/bahan	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Hasil:	90%
Kesimpulan:	Mudah terurai secara hayati
Uji:	OECD 302

12.3. Potensi bioakumulasi

Produk/bahan	hydrogen peroxide
LogKow:	-1,57
Kesimpulan:	-

Produk/bahan	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
BCF:	2
LogKow:	1.45
Kesimpulan:	Potensi bioakumulasi rendah

12.4. Mobilitas dalam tanah

Data tidak tersedia.

12.5. Hasil penilaian PBT dan vPvB

Campuran/produk ini tidak mengandung zat apa pun yang dianggap memenuhi kriteria yang mengelompokkannya sebagai PBT dan/atau vPvB.

12.6. Efek merugikan lainnya

Tidak diketahui.

13: PEMBUANGAN LIMBAH

Metoda pengolahan limbah

Buang isi/wadah ke tempat pembuangan limbah yang disetujui.

Pelabelan khusus

Kemasan

Kemasan yang mengandung sisa-sisa produk harus dibuang bersama produk dengan cara yang sama.

14: INFORMASI TRANSPORTASI

	14.1 UN	14.2 Nama pengapalan yang sesuai	14.3 Kelas	14.4 PG*	14.5 Env**	Informasi Lain:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Kelompok pengemasan

** Bahaya lingkungan

Informasi tamba

Bukan barang berbahaya menurut ADR, IATA, dan IMDG.

14.6. Tindakan kehati-hatian khusus bagi pengguna

Tidak berlaku.

14.7. Transport dalam jumlah besar (bulk) sesuai Annex II MARPOL dan kode IBC

Data tidak tersedia.

15: INFORMASI YANG BERKAITAN DENGAN REGULASI

15.1. Keselamatan, kesehatan dan peraturan lingkungan alam/perundang-undangan spesifik untuk zat atau campuran

Batasan aplikasi:

Terbatas untuk penggunaan industri dan para profesional.

Tuntutan akan pendidikan khusus:

Tidak ada persyaratan khusus.

Informasi tambahan:

Tidak berlaku.

Sumber:

Nomor peraturan 23/M-IND/PER/4/2013 (GHS)

15.2. Penilaian keamanan kimiawi

Tidak

16. INFORMASI LAIN

Teks lengkap frasa-H sebagaimana yang tercantum pada bagian 3

H271, Dapat menyebabkan nyala atau ledakan; oksidator kuat.

H302, Berbahaya bila tertelan.

H314, Menyebabkan luka bakar yang parah pada kulit dan kerusakan mata.

H315, Menyebabkan iritasi kulit.

H318, Menyebabkan kerusakan serius pada mata.

H319, Menyebabkan iritasi serius pada mata.
H332, Berbahaya bila terhirup.
H336, Dapat menyebabkan mengantuk atau pusing.
H412, Berbahaya terhadap kehidupan akuatik dengan efek jangka panjang.

Teks lengkap penggunaan yang sudah dikenal sebagaimana yang tercantum pada bagian 1

Tidak diketahui.

Singkatan dan akronim

ADN = Ketentuan Eropa terkait Pengangkutan Internasional Bahan-Bahan Berbahaya melalui Jalur Pelayaran Dalam Pulau
ADR = Kesepakatan Eropa terkait Pengangkutan Internasional Bahan-Bahan Berbahaya melalui Jalur Darat
ATE = Estimasi Toksisitas Akut
BCF = Faktor Biokonsentrasi
CAS = Layanan Abstrak Kimia
EINECS = Inventaris Eropa untuk Zat-Zat Kimia Komersial yang Sudah Ada
GHS = Sistem Harmonisasi Global untuk Klasifikasi dan Pelabelan Zat-Zat Kimia
IARC = Badan Riset Kanker Internasional
IATA = Asosiasi Transportasi Udara Internasional
IMDG = Bahan-Bahan yang Membahayakan Laut Internasional
LogPow = logaritma koefisien partisi oktanol/air
MARPOL = Konvensi Internasional bagi Pencegahan Polusi Dari Kapal, 1973 sebagaimana diubah berdasarkan Protokol 1978. ("Marpol" = pencemaran laut)
OECD = Organisasi Kerja sama dan Pembangunan Ekonomi
RID = Peraturan terkait Pengangkutan Internasional Bahan-Bahan Berbahaya dengan Kereta Api
SCL = Batas konsentrasi khusus.
STEL = Batas paparan jangka pendek
STOT-RE = Toksisitas Organ Sasaran Khusus - Paparan Berulang
STOT-SE = Toksisitas Organ Sasaran Khusus - Paparan Tunggal
TWA = Rerata tertimbang waktu
UN = Perserikatan Bangsa-Bangsa
VOC = Senyawa Organik Volatil

Informasi tambahan

Lembar data keselamatan tidak dibutuhkan untuk produk ini. Lembar data keselamatan ini telah dibuat secara sukarela untuk menyebarkan informasi yang relevan.

Lembar data keselamatan disahkan oleh

Quality & Compliance

Informasi Lain

Perubahan (selaras dengan perubahan besar terakhir (nol pertama menurut versi SDS, lihat bagian 1)) ditandai dengan segitiga.
Informasi dalam lembar data keselamatan ini hanya berlaku untuk produk khusus ini (yang disebutkan di bagian 1) dan tidak serta-merta tepat untuk digunakan bersama dengan zat kimia/produk lain.
Lembar data keselamatan ini hendaknya diberikan kepada pengguna aktual produk ini. Informasi dalam lembar data keselamatan ini tidak boleh digunakan sebagai spesifikasi produk.
Negara-bahasa: ID-id

SAFETY DATA SHEET

i.1 all-purpose cleaner FlexDose

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

▼ *Trade name:*

i.1 all-purpose cleaner FlexDose

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses of the substance or mixture:

Washing and cleaning products (including solvent based products)
Restricted to professional users.

Uses advised against :

None known.

1.3. Details of the supplier of the safety data sheet

Company and address:

Hygeniq B.V.
Postbus 618
7500 AP Enschede
The Netherlands
+31 53 4282860
+31 53 5393865
www.hygeniq.com

E-mail:

info@hygeniq.com

Revision:

27/06/2025

SDS Version:

2.0

Date of previous version:

02/06/2025 (1.0)

1.4. Emergency telephone number

The National Poisons Information Centre (NPIC)
Public: +353 (0) 1 809 2166 (7 days a week, 8am- 10pm)
Healthcare professionals: +353 (0) 1 809 2566 (24 h service)
See also section 4 "First aid measures"

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Not classified according to Regulation (EC) No. 1272/2008 (CLP).

2.2. Label elements

Hazard pictogram(s):

Not applicable.

Signal word:

Not applicable.

Hazard statement(s):

Not applicable.

Precautionary statement(s):

General:

-

Prevention:

-

Response:

-

Storage:

-

Disposal:

-

Hazardous substances:

Does not contain any substances required to report

Additional labelling:

EUH210, Safety data sheet available on request.

Labelling of contents according to Detergents Regulation (EC) No 648/2004 (applicable to packaging of detergents sold to the general public):

>5% - <15%

· Non-ionic surfactants

< 5%

· Anionic surfactants

· Oxygen-based bleaching Agents

· Perfumes

· Preservation agent (BENZISOTHIAZOLINONE)

2.3. Other hazards

Additional warnings:

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2023/707.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable. This product is a mixture.

3.2. Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
Alcohol, C13, bran., EO, sulfate Na~	CAS No.: 150413-26-6 EC No.: 688-316-0 REACH: Index No.:	1-3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 3, H412	
hydrogen peroxide	CAS No.: 7722-84-1 EC No.: 231-765-0 REACH: 01-2119485845-22-XXXX Index No.: 008-003-00-9	1-3%	Ox. Liq. 1, H271 Acute Tox. 4, H302 Skin Corr. 1A, H314 (SCL: 70.00 %) Skin Corr. 1B, H314 (SCL: 50.00 %) Skin Irrit. 2, H315 (SCL: 35.00 %) Eye Dam. 1, H318 (SCL: 8.00 %)	

			Eye Irrit. 2, H319 (SCL: 5.00 %) Acute Tox. 4, H332 STOT SE 3, H336 (SCL: 35.00 %)	
citroenzuurmonohydraat	CAS No.: 5949-29-1 EC No.: 611-842-9 REACH: 01-2119457026-42-XXXX Index No.:	<0.1%	Eye Irrit. 2, H319	
Disodium tin hexahydroxide	CAS No.: 12027-70-2 EC No.: 234-724-5 REACH: 01-2120770924-45-XXXX Index No.:	<0.05%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	[1]

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information

[1] European occupational exposure limit.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General information:

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet.
Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

Inhalation:

Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

Skin contact:

Upon irritation: rinse with water. In the event of continued irritation, seek medical assistance.

Eye contact:

If in eyes: Flush eyes with water or saline water (20-30 °C) for at least 5 minutes. Remove contact lenses. Seek medical assistance and continue flushing during transport.

Ingestion:

If the person is conscious, rinse the mouth with water and stay with the person. Never give the person anything to drink.

In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the person lean forward with head down to avoid inhalation of or choking on vomited material.

Burns:

Not applicable.

4.2. Most important symptoms and effects, both acute and delayed

None known.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

Information to medics

Bring this safety data sheet or the label from this product.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Not applicable.

5.2. Special hazards arising from the substance or mixture

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

Carbon oxides (CO / CO₂)

5.3. Advice for firefighters

No specific requirements.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation, especially in confined areas.

Contaminated areas may be slippery.

6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.

Keep unauthorized persons away from the spill

6.3. Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections

See section 13 "Disposal considerations" on handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Smoking, drinking and consumption of food is not allowed in the work area.

See section 8 "Exposure controls/personal protection" for information on personal protection.

7.2. Conditions for safe storage, including any incompatibilities

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Recommended storage material:

Keep only in original packaging.

Storage conditions:

Dry, cool and well ventilated

Incompatible materials:

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

hydrogen peroxide

Long term exposure limit (8 hours) (mg/m³): 1.5

Long term exposure limit (8 hours) (ppm): 1

Short term exposure limit (15 minutes) (mg/m³): 3

Short term exposure limit (15 minutes) (ppm): 2

2024 Code of Practice for the Safety, Health and Welfare at Work (Chemical Agents) Regulations (2001-2021) and the Safety, Health and Welfare at Work (Carcinogens, Mutagens and Reprotoxic Substances) Regulations (2024).

DNEL

1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	0.345 mg/kg
Long term – Systemic effects - Workers	Dermal	966 µg/kg bw/day
Long term – Systemic effects - General population	Inhalation	1.2 mg/m ³
Long term – Systemic effects - Workers	Inhalation	6.81 mg/m ³

Disodium tin hexahydroxide

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	1.21 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	3.37 mg/kg bw/day
Long term – Systemic effects - General population	Inhalation	1.78 mg/m ³
Long term – Systemic effects - Workers	Inhalation	11.9 mg/m ³
Long term – Systemic effects - General population	Oral	1.21 mg/kg bw/day

hydrogen peroxide

Duration:	Route of exposure:	DNEL:
Long term – Local effects - General population	Inhalation	0.21 mg/m ³
Long term – Local effects - General population	Inhalation	210 µg/m ³
Long term – Local effects - Workers	Inhalation	1.4 mg/m ³
Short term – Local effects - General population	Inhalation	1.93 mg/m ³
Short term – Local effects - Workers	Inhalation	3 mg/m ³

PNEC

1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		4.03 µg/L
Freshwater sediment		49.9 µg/kg
Intermittent release (freshwater)		1.1 µg/L
Intermittent release (marine water)		110 ng/L
Marine water		403 ng/L
Marine water sediment		4.99 µg/kg
Sewage treatment plant		1.03 mg/L
Soil		3 mg/kg

Disodium tin hexahydroxide

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		33.1 µg/L
Freshwater sediment		1.395 mg/kg
Intermittent release (freshwater)		331 µg/L
Intermittent release (marine water)		33.1 µg/L
Marine water		3.31 µg/L
Marine water sediment		139.46 µg/kg

Sewage treatment plant		10 mg/L
hydrogen peroxide		
Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		0,0126 mg/L
Freshwater		12.6 µg/L
Freshwater sediment		0,047 mg/kg
Freshwater sediment		47 µg/kg
Intermittent release (freshwater)		13.8 µg/L
Marine water		0,047 mg/L
Marine water		12.6 µg/L
Marine water sediment		0,047 mg/L
Marine water sediment		47 µg/kg
Sewage treatment plant		4.66 mg/L
Sewage treatment plant		4.66 mg/L
Soil		0,023 mg/kg
Soil		2.3 µg/kg

8.2. Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

General recommendations:

Smoking, drinking and consumption of food is not allowed in the work area.

Exposure scenarios:

There are no exposure scenarios implemented for this product.

Exposure limits:

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

Appropriate technical measures:

The formation of vapours must be kept at a minimum and below current limit values (see above). Installation of a local exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure eyewash and emergency showers are clearly marked.

Apply standard precautions during use of the product. Avoid inhalation of vapours.

Hygiene measures:

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Pay special attention to hands, forearms and face.

Measures to avoid environmental exposure:

No specific requirements.

Individual protection measures, such as personal protective equipment

Generally:

Use only CE marked protective equipment.

Respiratory Equipment:

Type	Class	Colour	Standards	
No special when used as intended.				

Skin protection:

Recommended	Type/Category	Standards	
No special when used as intended.	-	-	

Hand protection:

Work situation	Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
	No special when used as intended	-	-	-	
In the event of prolonged exposure or high concentrations	Cotton/Latex	-	> 120	EN374-2, EN16523-1, EN388	

Eye protection:

Work situation	Type	Standards	
	No special when used as intended.	-	
In the event of prolonged exposure or high concentrations	Safety glasses with side shields.	EN166	

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state:

Liquid

Colour:

Colourless

Odour / Odour threshold:

Of perfume

pH:

ca. 4.8

Density (g/cm³):

1.02 (20 °C)

Kinematic viscosity:

No data available.

Particle characteristics:

Does not apply to liquids.

Phase changes

Melting point/Freezing point (°C):

No data available.

Softening point/range (°C):

Does not apply to liquids.

Boiling point (°C):

No data available.

Vapour pressure:

No data available.

Relative vapour density:

No data available.

Decomposition temperature (°C):

No data available.

Data on fire and explosion hazards

Flash point (°C):

No data available.

Flammability (°C):

No data available.

Auto-ignition temperature (°C):

No data available.

Lower and upper explosion limit (% v/v):

No data available.

Solubility

Solubility in water:

Completely soluble

n-octanol/water coefficient (LogKow):

No data available.

Solubility in fat (g/L):

No data available.

9.2. Other information

Other physical and chemical parameters:

No data available.

Oxidizing properties:

No data available.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

10.2. Chemical stability

The product is stable under the conditions, noted in section 7 "Handling and storage".

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Product/substance	hydrogen peroxide
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	1.193 - 1.270 mg/L

Product/substance	hydrogen peroxide
Species:	Rabbit
Route of exposure:	Dermal
Test:	LD50
Result:	>2.000 (35% oplossing) mg/kg

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Species:	Rat

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Route of exposure: Oral
Test: LD50
Result: 500 mg/kg

Based on available data, the classification criteria are not met.

Skin corrosion/irritation

Product/substance: hydrogen peroxide
Result: Adverse effect observed (Irritating)

Product/substance: 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Test method: OECD 404
Result: Adverse effect observed (Irritating)

Based on available data, the classification criteria are not met.

Serious eye damage/irritation

Product/substance: hydrogen peroxide
Result: Adverse effect observed (Causes serious eye damage)

Product/substance: 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Test method: OECD 405
Result: Adverse effect observed (Causes serious eye damage)

Based on available data, the classification criteria are not met.

Respiratory sensitisation

Product/substance: hydrogen peroxide
Result: No adverse effect observed (not sensitising)

Based on available data, the classification criteria are not met.

Skin sensitisation

Product/substance: 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Test method: OECD 429
Species: Mouse
Result: Adverse effect observed (sensitising)

Product/substance: 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Test method: OECD 406
Species: Guinea pig
Result: Adverse effect observed (sensitising)

Based on available data, the classification criteria are not met.

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Product/substance: hydrogen peroxide
Conclusion: No adverse effect observed

Based on available data, the classification criteria are not met.

Reproductive toxicity

Product/substance: hydrogen peroxide
Conclusion: No adverse effect observed

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Product/substance: hydrogen peroxide
Based on available data, the classification criteria are not met.

11.2. Information on other hazards

Long term effects

None known.

Endocrine disrupting properties

This mixture/product does not contain any substances known to have hormone-disrupting properties in relation to health.

Other information

hydrogen peroxide has been classified by IARC as a group 3 carcinogen.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Product/substance	hydrogen peroxide
Species:	Fish, Pimephales promelas
Duration:	96 hours
Test:	LC50
Result:	16,4 mg/L

Product/substance	hydrogen peroxide
Species:	Fish, Leuciscus idus
Duration:	72 hours
Test:	LC50
Result:	35 mg/L

Product/substance	hydrogen peroxide
Species:	Fish, Oncorhynchus mykiss
Duration:	7 days
Test:	LC50
Result:	38,5 mg/L

Product/substance	hydrogen peroxide
Species:	Daphnia pulex
Duration:	48 hours
Test:	EC50
Result:	2,4 mg/L

Product/substance	hydrogen peroxide
Species:	Daphnia magna
Duration:	24 hours
Test:	EC50
Result:	7,7 mg/L

Product/substance	hydrogen peroxide
Species:	Skeletonema costatum
Duration:	72 hours
Test:	EC50
Result:	1,38 mg/L

Product/substance	hydrogen peroxide
Test method:	OECD 209
Species:	Bacteria
Compartment:	Activated Sludge Plant
Duration:	30 minutes
Test:	EC50
Result:	466 mg/L

Product/substance	hydrogen peroxide
Test method:	OECD 209

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Species:	Bacteria
Compartment:	Activated Sludge Plant
Duration:	3 hours
Test:	EC50
Result:	> 1.000 mg/L

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Species:	Fish
Duration:	96 hours
Test:	LC50
Result:	>0.1-1 mg/L

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Species:	Crustacean
Duration:	48 hours
Test:	EC50
Result:	>0.1-1 mg/L

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Species:	Algae
Duration:	72 hours
Test:	EC50
Result:	>0.1-1 mg/L

Based on available data, the classification criteria are not met.

12.2. Persistence and degradability

Product/substance	Alcohol, C13, bran., EO, sulfate Na~
Result:	> 60 %
Conclusion:	Readily biodegradable
Test:	OECD 301 B

Product/substance	hydrogen peroxide
Conclusion:	Readily biodegradable

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Result:	90%
Conclusion:	Readily biodegradable
Test:	OECD 302

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

12.3. Bioaccumulative potential

Product/substance	hydrogen peroxide
LogKow:	-1,57
Conclusion:	-

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
BCF:	2
LogKow:	1.45
Conclusion:	Potential for bioaccumulation is low

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

12.6. Endocrine disrupting properties

This mixture/product does not contain any substances considered to have endocrine-disrupting properties in relation

to the environment.

12.7. Other adverse effects

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Product is covered by the regulations on hazardous waste. (*)

HP 4 - Irritant (skin irritation and eye damage)

Commission Regulation (EU) No 1357/2014 of 18 December 2014 on waste.

EWC code:

20 01 30

Detergents other than those mentioned in 20 01 29

Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: TRANSPORT INFORMATION

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Packing group

** Environmental hazards

Additional information

Not dangerous goods according to ADR, IATA and IMDG.

14.6. Special precautions for user

Not applicable.

14.7. Maritime transport in bulk according to IMO instruments

No data available.

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Restrictions for application:

Restricted to professional users.

Demands for specific education:

No specific requirements.

SEVESO - Categories / dangerous substances:

Not applicable.

Regulation on explosives precursors:

hydrogen peroxide (Annex I)

Labelling of contents according to Detergents Regulation (EC) No 648/2004:

>5% - <15%

· Non-ionic surfactants

< 5%

· Anionic surfactants

· Oxygen-based bleaching Agents

- Perfumes
- Preservation agent (BENZISOTHIAZOLINONE)

Additional information:

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

Sources:

Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents.
Commission Regulation (EU) No 1357/2014 of 18 December 2014 on waste.
Council Regulation (EC) No 2019/1148 on explosives precursors.
Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (CLP).
Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

15.2. Chemical safety assessment

No

SECTION 16: OTHER INFORMATION

Full text of H-phrases as mentioned in section 3

H271, May cause fire or explosion; strong oxidiser.
H302, Harmful if swallowed.
H314, Causes severe skin burns and eye damage.
H315, Causes skin irritation.
H318, Causes serious eye damage.
H319, Causes serious eye irritation.
H332, Harmful if inhaled.
H335, May cause respiratory irritation.
H336, May cause drowsiness or dizziness.
H412, Harmful to aquatic life with long lasting effects.

Abbreviations and acronyms

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway
ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
CAS = Chemical Abstracts Service
CE = Conformité Européenne (European conformity)
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
CSA = Chemical Safety Assessment
CSR = Chemical Safety Report
DMEL = Derived Minimal Effect Level
DNEL = Derived No Effect Level
EINECS = European Inventory of Existing Commercial chemical Substances
ES = Exposure Scenario
EUH statement = CLP-specific Hazard statement
EuPCS = European Product Categorisation System
EWC = European Waste Catalogue
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
GWP = Global warming potential
IARC = International Agency for Research on Cancer (IARC)
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)

OECD = Organisation for Economic Co-operation and Development
PBT = Persistent, Bioaccumulative and Toxic
PNEC = Predicted No Effect Concentration
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
RRN = REACH Registration Number
SCL = A specific concentration limit
SVHC = Substances of Very High Concern
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
STOT-SE = Specific Target Organ Toxicity - Single Exposure
TWA = Time weighted average
UN = United Nations
UVBC = Unknown or variable composition, complex reaction products or of biological materials
VOC = Volatile Organic Compound
vPvB = Very Persistent and Very Bioaccumulative

Additional information

Not applicable.

The safety data sheet is validated by

Quality & Compliance

Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

Country-language: IE-en

SAFETY DATA SHEET

i.1 all-purpose cleaner FlexDose

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

▼ *Trade name:*

i.1 all-purpose cleaner FlexDose

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses of the substance or mixture:

Washing and cleaning products (including solvent based products)
Restricted to professional users.

Uses advised against :

None known.

1.3. Details of the supplier of the safety data sheet

Company and address:

Hygeniq B.V.
Postbus 618
7500 AP Enschede
The Netherlands
+31 53 4282860
+31 53 5393865
www.hygeniq.com

E-mail:

info@hygeniq.com

Revision:

27/06/2025

SDS Version:

2.0

Date of previous version:

02/06/2025 (1.0)

1.4. Emergency telephone number

Israel Poison Information Center

Acute poisoning (hotline): 04-7771900 (24h service).

For drug information and consultations pertaining to exposure of pregnant or breast feeding women to drugs, chemicals, and other poisons the center can be called Sundays through Thursdays between 09:00 to 15:00.

See section 4 "First aid measures".

SECTION 2: HAZARDS IDENTIFICATION

Classified according to Israeli Standard SI 2302.

2.1. Classification of the substance or mixture

Not classified according to Regulation (EC) No. 1272/2008 (CLP).

2.2. Label elements

Hazard pictogram(s):

Not applicable.

Signal word:

Not applicable.

Hazard statement(s):

Not applicable.

Precautionary statement(s):

General:

-

Prevention:

-

Response:

-

Storage:

-

Disposal:

-

Hazardous substances:

Does not contain any substances required to report

Additional labelling:

EUH210, Safety data sheet available on request.

2.3. Other hazards

Additional warnings:

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2023/707.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable. This product is a mixture.

3.2. Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
Alcohol, C13, bran., EO, sulfate Na~	CAS No.: 150413-26-6 EC No.: 688-316-0 REACH: Index No.:	1-3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 3, H412	
hydrogen peroxide	CAS No.: 7722-84-1 EC No.: 231-765-0 REACH: 01-2119485845-22-XXXX Index No.: 008-003-00-9	1-3%	Ox. Liq. 1, H271 Acute Tox. 4, H302 Skin Corr. 1A, H314 (SCL: 70.00 %) Skin Corr. 1B, H314 (SCL: 50.00 %) Skin Irrit. 2, H315 (SCL: 35.00 %) Eye Dam. 1, H318 (SCL: 8.00 %) Eye Irrit. 2, H319 (SCL: 5.00 %) Acute Tox. 4, H332 STOT SE 3, H336 (SCL: 35.00 %)	
citroenzuurmonohydraat	CAS No.: 5949-29-1 EC No.: 611-842-9 REACH: 01-2119457026-42-XXXX	<0.1%	Eye Irrit. 2, H319	

	Index No.:			
Disodium tin hexahydroxide	CAS No.: 12027-70-2 EC No.: 234-724-5 REACH: 01-2120770924-45-XXXX Index No.:	<0.05%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	[1]

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information

[1] European occupational exposure limit.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General information:

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

Inhalation:

Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

Skin contact:

Upon irritation: rinse with water. In the event of continued irritation, seek medical assistance.

Eye contact:

If in eyes: Flush eyes with water or saline water (20-30 °C) for at least 5 minutes. Remove contact lenses. Seek medical assistance and continue flushing during transport.

Ingestion:

If the person is conscious, rinse the mouth with water and stay with the person. Never give the person anything to drink. In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the person lean forward with head down to avoid inhalation of or choking on vomited material.

Burns:

Not applicable.

4.2. Most important symptoms and effects, both acute and delayed

None known.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

Information to medics

Bring this safety data sheet or the label from this product.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Not applicable.

5.2. Special hazards arising from the substance or mixture

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are

produced. These are:
Carbon oxides (CO / CO₂)

5.3. Advice for firefighters

No specific requirements.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation, especially in confined areas.
Contaminated areas may be slippery.

6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.
Keep unauthorized persons away from the spill

6.3. Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.
Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections

See section 13 "Disposal considerations" on handling of waste.
See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Smoking, drinking and consumption of food is not allowed in the work area.
See section 8 "Exposure controls/personal protection" for information on personal protection.

7.2. Conditions for safe storage, including any incompatibilities

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Recommended storage material:

Keep only in original packaging.

Storage conditions:

Dry, cool and well ventilated

Incompatible materials:

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

hydrogen peroxide
Long term exposure limit (OSHA Table Z-1) (mg/m³): 1.4
Long term exposure limit (OSHA Table Z-1) (ppm): 1
Long term exposure limit (ACGIH TLV) (ppm): 1

Part 1910 - Occupational Safety and Health Standards (29 CFR 1910.1000 TABLE Z-1 - Limits for Air Contaminants)

DNEL

1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	0.345 mg/kg

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Long term – Systemic effects - Workers	Dermal	966 µg/kg bw/day
Long term – Systemic effects - General population	Inhalation	1.2 mg/m ³
Long term – Systemic effects - Workers	Inhalation	6.81 mg/m ³

Disodium tin hexahydroxide

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	1.21 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	3.37 mg/kg bw/day
Long term – Systemic effects - General population	Inhalation	1.78 mg/m ³
Long term – Systemic effects - Workers	Inhalation	11.9 mg/m ³
Long term – Systemic effects - General population	Oral	1.21 mg/kg bw/day

hydrogen peroxide

Duration:	Route of exposure:	DNEL:
Long term – Local effects - General population	Inhalation	0,21 mg/m ³
Long term – Local effects - General population	Inhalation	210 µg/m ³
Long term – Local effects - Workers	Inhalation	1.4 mg/m ³
Short term – Local effects - General population	Inhalation	1.93 mg/m ³
Short term – Local effects - Workers	Inhalation	3 mg/m ³

PNEC

1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		4.03 µg/L
Freshwater sediment		49.9 µg/kg
Intermittent release (freshwater)		1.1 µg/L
Intermittent release (marine water)		110 ng/L
Marine water		403 ng/L
Marine water sediment		4.99 µg/kg
Sewage treatment plant		1.03 mg/L
Soil		3 mg/kg

Disodium tin hexahydroxide

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		33.1 µg/L
Freshwater sediment		1.395 mg/kg
Intermittent release (freshwater)		331 µg/L
Intermittent release (marine water)		33.1 µg/L
Marine water		3.31 µg/L
Marine water sediment		139.46 µg/kg
Sewage treatment plant		10 mg/L

hydrogen peroxide

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		0,0126 mg/L
Freshwater		12.6 µg/L
Freshwater sediment		0,047 mg/kg

Freshwater sediment		47 µg/kg
Intermittent release (freshwater)		13.8 µg/L
Marine water		0,047 mg/L
Marine water		12.6 µg/L
Marine water sediment		0,047 mg/L
Marine water sediment		47 µg/kg
Sewage treatment plant		4.66 mg/L
Sewage treatment plant		4.66 mg/L
Soil		0,023 mg/kg
Soil		2.3 µg/kg

8.2. Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

General recommendations:

Smoking, drinking and consumption of food is not allowed in the work area.

Exposure scenarios:

There are no exposure scenarios implemented for this product.

Exposure limits:

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

Appropriate technical measures:

The formation of vapours must be kept at a minimum and below current limit values (see above). Installation of a local exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure eyewash and emergency showers are clearly marked.

Apply standard precautions during use of the product. Avoid inhalation of vapours.

Hygiene measures:

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Pay special attention to hands, forearms and face.

Measures to avoid environmental exposure:

No specific requirements.

Individual protection measures, such as personal protective equipment

Generally:

Use only CE marked protective equipment.

Respiratory Equipment:

Type	Class	Colour	Standards	
No special when used as intended.				

Skin protection:

Recommended	Type/Category	Standards	
No special when used as intended.	-	-	

Hand protection:

Work situation	Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
	No special when used as intended	-	-	-	
In the event of prolonged exposure or high concentrations	Cotton/Latex	-	> 120	EN374-2, EN16523-1, EN388	

Eye protection:

Work situation	Type	Standards	
	No special when used as intended.	-	
In the event of prolonged exposure or high concentrations	Safety glasses with side shields.	EN166	

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state:

Liquid

Colour:

Colourless

Odour / Odour threshold:

Of perfume

pH:

ca. 4.8

Density (g/cm³):

1.02 (20 °C)

Kinematic viscosity:

No data available.

Particle characteristics:

Does not apply to liquids.

Phase changes

Melting point/Freezing point (°C):

No data available.

Softening point/range (°C):

Does not apply to liquids.

Boiling point (°C):

No data available.

Vapour pressure:

No data available.

Relative vapour density:

No data available.

Decomposition temperature (°C):

No data available.

Data on fire and explosion hazards

Flash point (°C):

No data available.

Flammability (°C):

No data available.

Auto-ignition temperature (°C):

No data available.

Lower and upper explosion limit (% v/v):

No data available.

Solubility

Solubility in water:

Completely soluble

n-octanol/water coefficient (LogKow):

No data available.

Solubility in fat (g/L):

No data available.

9.2. Other information

Other physical and chemical parameters:

No data available.

Oxidizing properties:

No data available.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

10.2. Chemical stability

The product is stable under the conditions, noted in section 7 "Handling and storage".

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Product/substance	hydrogen peroxide
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	1.193 - 1.270 mg/L

Product/substance	hydrogen peroxide
Species:	Rabbit
Route of exposure:	Dermal
Test:	LD50
Result:	>2.000 (35% oplossing) mg/kg

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	500 mg/kg

Based on available data, the classification criteria are not met.

Skin corrosion/irritation

Product/substance	hydrogen peroxide
Result:	Adverse effect observed (Irritating)

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Test method:	OECD 404
Result:	Adverse effect observed (Irritating)

Based on available data, the classification criteria are not met.

Serious eye damage/irritation

Product/substance	hydrogen peroxide
Result:	Adverse effect observed (Causes serious eye damage)

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Test method:	OECD 405
Result:	Adverse effect observed (Causes serious eye damage)

Based on available data, the classification criteria are not met.

Respiratory sensitisation

Product/substance	hydrogen peroxide
Result:	No adverse effect observed (not sensitising)

Based on available data, the classification criteria are not met.

Skin sensitisation

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Test method:	OECD 429
Species:	Mouse
Result:	Adverse effect observed (sensitising)

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Test method:	OECD 406
Species:	Guinea pig
Result:	Adverse effect observed (sensitising)

Based on available data, the classification criteria are not met.

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Product/substance	hydrogen peroxide
Conclusion:	No adverse effect observed

Based on available data, the classification criteria are not met.

Reproductive toxicity

Product/substance	hydrogen peroxide
Conclusion:	No adverse effect observed

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Product/substance	hydrogen peroxide
Based on available data, the classification criteria are not met.	

11.2. Information on other hazards

Long term effects

None known.

Endocrine disrupting properties

This mixture/product does not contain any substances known to have hormone-disrupting properties in relation to health.

Other information

hydrogen peroxide has been classified by IARC as a group 3 carcinogen.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Product/substance: hydrogen peroxide
Species: Fish, Pimephales promelas
Duration: 96 hours
Test: LC50
Result: 16,4 mg/L

Product/substance: hydrogen peroxide
Species: Fish, Leuciscus idus
Duration: 72 hours
Test: LC50
Result: 35 mg/L

Product/substance: hydrogen peroxide
Species: Fish, Oncorhynchus mykiss
Duration: 7 days
Test: LC50
Result: 38,5 mg/L

Product/substance: hydrogen peroxide
Species: Daphnia pulex
Duration: 48 hours
Test: EC50
Result: 2,4 mg/L

Product/substance: hydrogen peroxide
Species: Daphnia magna
Duration: 24 hours
Test: EC50
Result: 7,7 mg/L

Product/substance: hydrogen peroxide
Species: Skeletonema costatum
Duration: 72 hours
Test: EC50
Result: 1,38 mg/L

Product/substance: hydrogen peroxide
Test method: OECD 209
Species: Bacteria
Compartment: Activated Sludge Plant
Duration: 30 minutes
Test: EC50
Result: 466 mg/L

Product/substance: hydrogen peroxide
Test method: OECD 209
Species: Bacteria
Compartment: Activated Sludge Plant
Duration: 3 hours
Test: EC50
Result: > 1.000 mg/L

Product/substance: 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Species: Fish
Duration: 96 hours

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Test: LC50
Result: >0.1-1 mg/L

Product/substance 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Species: Crustacean
Duration: 48 hours
Test: EC50
Result: >0.1-1 mg/L

Product/substance 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Species: Algae
Duration: 72 hours
Test: EC50
Result: >0.1-1 mg/L

Based on available data, the classification criteria are not met.

12.2. Persistence and degradability

Product/substance Alcohol, C13, bran., EO, sulfate Na~
Result: > 60 %
Conclusion: Readily biodegradable
Test: OECD 301 B

Product/substance hydrogen peroxide
Conclusion: Readily biodegradable

Product/substance 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Result: 90%
Conclusion: Readily biodegradable
Test: OECD 302

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

12.3. Bioaccumulative potential

Product/substance hydrogen peroxide
LogKow: -1,57
Conclusion: -

Product/substance 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
BCF: 2
LogKow: 1.45
Conclusion: Potential for bioaccumulation is low

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

12.6. Endocrine disrupting properties

This mixture/product does not contain any substances considered to have endocrine-disrupting properties in relation to the environment.

12.7. Other adverse effects

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Product is covered by the regulations on hazardous waste. (*)
HP 4 - Irritant (skin irritation and eye damage)
Commission Regulation (EU) No 1357/2014 of 18 December 2014 on waste.

EWC code:
20 01 30 Detergents other than those mentioned in 20 01 29

Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: TRANSPORT INFORMATION

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Packing group

** Environmental hazards

Additional information

Not dangerous goods according to ADR, IATA and IMDG.

14.6. Special precautions for user

Not applicable.

14.7. Maritime transport in bulk according to IMO instruments

No data available.

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Restrictions for application:

Restricted to professional users.

Demands for specific education:

No specific requirements.

SEVESO - Categories / dangerous substances:

Not applicable.

Regulation on explosives precursors:

hydrogen peroxide (Annex I)

Additional information:

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

Sources:

Prevention of Environmental Nuisances Law 5752-1992

Council Regulation (EC) No 2019/1148 on explosives precursors.

Israeli Standard SI 2302 Part 1 – Dangerous substances and mixtures: Classification, labelling, marking and packaging.

Israeli Standard SI 2302 Part 2 – Transportation: Classification, labelling, marking and packaging.

15.2. Chemical safety assessment

No

SECTION 16: OTHER INFORMATION

Full text of H-phrases as mentioned in section 3

H271, May cause fire or explosion; strong oxidiser.
H302, Harmful if swallowed.
H314, Causes severe skin burns and eye damage.
H315, Causes skin irritation.
H318, Causes serious eye damage.
H319, Causes serious eye irritation.
H332, Harmful if inhaled.
H335, May cause respiratory irritation.
H336, May cause drowsiness or dizziness.
H412, Harmful to aquatic life with long lasting effects.

Abbreviations and acronyms

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway
ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
CAS = Chemical Abstracts Service
CE = Conformité Européenne (European conformity)
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
CSA = Chemical Safety Assessment
CSR = Chemical Safety Report
DMEL = Derived Minimal Effect Level
DNEL = Derived No Effect Level
EINECS = European Inventory of Existing Commercial chemical Substances
ES = Exposure Scenario
EUH statement = CLP-specific Hazard statement
EuPCS = European Product Categorisation System
EWC = European Waste Catalogue
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
GWP = Global warming potential
IARC = International Agency for Research on Cancer (IARC)
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
OECD = Organisation for Economic Co-operation and Development
PBT = Persistent, Bioaccumulative and Toxic
PNEC = Predicted No Effect Concentration
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
RRN = REACH Registration Number
SCL = A specific concentration limit
SVHC = Substances of Very High Concern
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
STOT-SE = Specific Target Organ Toxicity - Single Exposure
TWA = Time weighted average
UN = United Nations
UVBC = Unknown or variable composition, complex reaction products or of biological materials
VOC = Volatile Organic Compound
vPvB = Very Persistent and Very Bioaccumulative

Additional information

Not applicable.

The safety data sheet is validated by

Quality & Compliance

Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

Country-language: IL-en

SAFETY DATA SHEET

i.1 all-purpose cleaner FlexDose

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

SDS created for INDIA according to GHS

1.1. Product identifier

▼ *Trade name:*

i.1 all-purpose cleaner FlexDose

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses of the substance or mixture:

Washing and cleaning products (including solvent based products)

Restricted to professional users.

Uses advised against :

None known.

1.3. Details of the supplier of the safety data sheet

Company and address:

Hygeniq B.V.

Postbus 618

7500 AP Enschede

The Netherlands

+31 53 4282860

+31 53 5393865

www.hygeniq.com

E-mail:

info@hygeniq.com

SDS date:

27/06/2025

SDS Version:

2.0

Date of previous version:

02/06/2025 (1.0)

1.4. Emergency telephone number

Contact the local emergency services.

See section 4 "First aid measures".

SECTION 2: HAZARDS IDENTIFICATION

Classified according to GHS.

2.1. Classification of the substance or mixture

Skin Irrit. 3; H316, Causes mild skin irritation

2.2. Label elements

Hazard pictogram(s):

Not applicable.

Signal word:

Warning

Hazard statement(s):

Causes mild skin irritation (H316)

Precautionary statement(s):

General:

-

Prevention:

-

Response:

If skin irritation occurs: Get medical advice/attention. (P332+P313)

Storage:

-

Disposal:

-

Hazardous substances:

Does not contain any substances required to report

Additional labelling:

Not applicable.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable. This product is a mixture.

3.2. Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
Alcohol, C13, bran., EO, sulfate Na~	CAS No.: 150413-26-6 EC No.: 688-316-0	1-3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 3, H412	
hydrogen peroxide	CAS No.: 7722-84-1 EC No.: 231-765-0	1-3%	Ox. Liq. 1, H271 Acute Tox. 4, H302 Skin Corr. 1A, H314 (SCL: 70.00 %) Skin Corr. 1B, H314 (SCL: 50.00 %) Skin Irrit. 2, H315 (SCL: 35.00 %) Eye Dam. 1, H318 (SCL: 8.00 %) Eye Irrit. 2, H319 (SCL: 5.00 %) Acute Tox. 4, H332 STOT SE 3, H336 (SCL: 35.00 %)	
citroenzuurmonohydraat	CAS No.: 5949-29-1 EC No.: 611-842-9	<0.1%	Eye Irrit. 2, H319	

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information

-

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General information:

In the case of accident: Contact a doctor or casualty department – bring the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

Inhalation:

Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

Skin contact:

Remove contaminated clothing and shoes immediately. Ensure to wash exposed skin thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or thinners.

Eye contact:

If in eyes: Flush eyes with water or saline water (20-30 °C) for at least 5 minutes. Remove contact lenses. Seek medical assistance and continue flushing during transport.

Ingestion:

If the person is conscious, rinse the mouth with water and stay with the person. Never give the person anything to drink.

In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the person lean forward with head down to avoid inhalation of or choking on vomited material.

Burns:

Not applicable.

4.2. Most important symptoms and effects, both acute and delayed

None known.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

Information to medics

Bring this safety data sheet or the label from this product.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Not applicable.

5.2. Special hazards arising from the substance or mixture

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

Carbon oxides (CO / CO₂)

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact the national poisons emergency services in order to obtain further advice.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Contaminated areas may be slippery.

6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.

Keep unauthorized persons away from the spill

6.3. Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.
Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections

See section 13 "Disposal considerations" on handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Smoking, drinking and consumption of food is not allowed in the work area.

See section 8 "Exposure controls/personal protection" for information on personal protection.

7.2. Conditions for safe storage, including any incompatibilities

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Recommended storage material:

Keep only in original packaging.

Storage conditions:

Dry, cool and well ventilated

Incompatible materials:

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

No substances are listed with an occupational exposure limit.

8.2. Exposure controls

Apply general control to prevent unnecessary exposure

General recommendations:

Smoking, drinking and consumption of food is not allowed in the work area.

Exposure scenarios:

There are no exposure scenarios implemented for this product.

Exposure limits:

Occupational exposure limits have not been defined for the substances in this product.

Appropriate technical measures:

Apply standard precautions during use of the product. Avoid inhalation of vapours.

Hygiene measures:

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Pay special attention to hands, forearms and face.

Measures to avoid environmental exposure:

No specific requirements.

Individual protection measures, such as personal protective equipment

Generally:

Use only CE marked protective equipment.

Respiratory Equipment:

Type	Class	Colour	Standards	
No special when used as intended.				

Skin protection:

Recommended	Type/Category	Standards	
No special when used as intended.	-	-	

Hand protection:

Work situation	Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
	No special when used as intended	-	-	-	
In the event of prolonged exposure or high concentrations	Cotton/Latex	-	> 120	EN374-2, EN16523-1, EN388	

Eye protection:

Work situation	Type	Standards	
	No special when used as intended.	-	
In the event of prolonged exposure or high concentrations	Safety glasses with side shields.	EN166	

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Form:

Liquid

Colour:

Colourless

Odour:

Of perfume

Odour threshold (ppm):

No data available.

pH:

ca. 4.8

Density (g/cm³):

1.02 (20 °C)

Kinematic viscosity:

No data available.

Particle characteristics:

Does not apply to liquids.

Phase changes

Melting point/Freezing point (°C):

No data available.

Softening point/range (°C):

Does not apply to liquids.

Boiling point (°C):

No data available.

Vapour pressure:

No data available.

Relative vapour density:

No data available.

Decomposition temperature (°C):

No data available.

Evaporation rate (n-butylacetate = 100):

Data on fire and explosion hazards

Flash point (°C):

No data available.

Flammability (°C):

No data available.

Auto-ignition temperature (°C):

No data available.

Explosion limits (% v/v):

No data available.

Solubility

Solubility in water:

Completely soluble

n-octanol/water coefficient (LogKow):

No data available.

Solubility in fat (g/L):

No data available.

9.2. Other information

No data available.

Other physical and chemical parameters:

No data available.

Oxidizing properties:

No data available.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

10.2. Chemical stability

The product is stable under the conditions, noted in section 7 "Handling and storage".

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity

Product/substance	hydrogen peroxide
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	1.193 - 1.270 mg/L

Product/substance	hydrogen peroxide
Species:	Rabbit
Route of exposure:	Dermal
Test:	LD50
Result:	>2.000 (35% oplossing) mg/kg

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	500 mg/kg

Based on available data, the classification criteria are not met.

Skin corrosion/irritation

Product/substance	hydrogen peroxide
Result:	Adverse effect observed (Irritating)

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Test method:	OECD 404
Result:	Adverse effect observed (Irritating)

Based on available data, the classification criteria are not met.

Serious eye damage/irritation

Product/substance	hydrogen peroxide
Result:	Adverse effect observed (Causes serious eye damage)

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Test method:	OECD 405
Result:	Adverse effect observed (Causes serious eye damage)

Based on available data, the classification criteria are not met.

Respiratory sensitisation

Product/substance	hydrogen peroxide
Result:	No adverse effect observed (not sensitising)

Based on available data, the classification criteria are not met.

Skin sensitisation

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Test method:	OECD 429
Species:	Mouse
Result:	Adverse effect observed (sensitising)

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Test method:	OECD 406
Species:	Guinea pig
Result:	Adverse effect observed (sensitising)

Based on available data, the classification criteria are not met.

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Product/substance	hydrogen peroxide
Conclusion:	No adverse effect observed

Based on available data, the classification criteria are not met.

hydrogen peroxide has been classified by IARC as a group 3 carcinogen.

Reproductive toxicity

Product/substance	hydrogen peroxide
Conclusion:	No adverse effect observed

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Product/substance hydrogen peroxide

Based on available data, the classification criteria are not met.

Long term effects

None known.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Product/substance	hydrogen peroxide
Species:	Fish, Pimephales promelas
Duration:	96 hours
Test:	LC50
Result:	16,4 mg/L

Product/substance	hydrogen peroxide
Species:	Fish, Leuciscus idus
Duration:	72 hours
Test:	LC50
Result:	35 mg/L

Product/substance	hydrogen peroxide
Species:	Fish, Oncorhynchus mykiss
Duration:	7 days
Test:	LC50
Result:	38,5 mg/L

Product/substance	hydrogen peroxide
Species:	Daphnia pulex
Duration:	48 hours
Test:	EC50
Result:	2,4 mg/L

Product/substance	hydrogen peroxide
Species:	Daphnia magna
Duration:	24 hours
Test:	EC50
Result:	7,7 mg/L

Product/substance	hydrogen peroxide
Species:	Skeletonema costatum
Duration:	72 hours
Test:	EC50
Result:	1,38 mg/L

Product/substance	hydrogen peroxide
Test method:	OECD 209
Species:	Bacteria
Compartment:	Activated Sludge Plant
Duration:	30 minutes
Test:	EC50
Result:	466 mg/L

According to GHS Rev. 8, 2019

Product/substance	hydrogen peroxide
Test method:	OECD 209
Species:	Bacteria
Compartment:	Activated Sludge Plant
Duration:	3 hours
Test:	EC50
Result:	> 1.000 mg/L
Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Species:	Fish
Duration:	96 hours
Test:	LC50
Result:	>0.1-1 mg/L
Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Species:	Crustacean
Duration:	48 hours
Test:	EC50
Result:	>0.1-1 mg/L
Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Species:	Algae
Duration:	72 hours
Test:	EC50
Result:	>0.1-1 mg/L

Based on available data, the classification criteria are not met.

12.2. Persistence and degradability

Product/substance	Alcohol, C13, bran., EO, sulfate Na~
Result:	> 60 %
Conclusion:	Readily biodegradable
Test:	OECD 301 B

Product/substance	hydrogen peroxide
Conclusion:	Readily biodegradable

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Result:	90%
Conclusion:	Readily biodegradable
Test:	OECD 302

12.3. Bioaccumulative potential

Product/substance	hydrogen peroxide
LogKow:	-1,57
Conclusion:	-

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
BCF:	2
LogKow:	1.45
Conclusion:	Potential for bioaccumulation is low

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

12.6. Other adverse effects

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

Dispose of contents/container to an approved waste disposal plant.

Specific labelling

Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: TRANSPORT INFORMATION

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Packing group

** Environmental hazards

Additional information

Not dangerous goods according to ADR, IATA and IMDG.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

No data available.

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Restrictions for application:

Restricted to professional users.

Demands for specific education:

No specific requirements.

Additional information:

Not applicable.

Sources:

Globally Harmonized System of Classification and Labelling of Chemicals (GHS Rev. 8, 2019)

15.2. Chemical safety assessment

No

SECTION 16: OTHER INFORMATION

Full text of H-phrases as mentioned in section 3

H271, May cause fire or explosion; strong oxidiser.

H302, Harmful if swallowed.

H314, Causes severe skin burns and eye damage.

H315, Causes skin irritation.

H318, Causes serious eye damage.

H319, Causes serious eye irritation.
H332, Harmful if inhaled.
H336, May cause drowsiness or dizziness.
H412, Harmful to aquatic life with long lasting effects.

The full text of identified uses as mentioned in section 1

None known.

Abbreviations and acronyms

ACGIH = American Conference of Governmental Industrial Hygienists
ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway
ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
CAS = Chemical Abstracts Service
CERCLA = Comprehensive Environmental Response Compensation and Liability Act
DOT = Department of Transportation
EINECS = European Inventory of Existing Commercial chemical Substances
EPCRA = Emergency Planning and Community Right-To-Know Act
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
HCIS = Hazardous Chemical Information System
HNOC = Hazards Not Otherwise Classified
IARC = International Agency for Research on Cancer
IATA = International Air Transport Association
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
NFPA = National Fire Protection Association
NIOSH = National Institute for Occupational Safety and Health
OECD = Organisation for Economic Co-operation and Development
OSHA = Occupational Safety and Health Administration
PBT = Persistent, Bioaccumulative and Toxic
RCRA = Resource Conservation and Recovery Act
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
RRN = REACH Registration Number
SARA = Superfund Amendments and Reauthorization Act
SCL = A specific concentration limit.
STEL = Short-term exposure limits
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
STOT-SE = Specific Target Organ Toxicity - Single Exposure
TSCA = The Toxic Substances Control Act
TWA = Time weighted average
UN = United Nations
UVBC = Unknown or variable composition, complex reaction products or of biological materials
VOC = Volatile Organic Compound
vPvB = Very Persistent and Very Bioaccumulative

Additional information

Not applicable.

The safety data sheet is validated by

Quality & Compliance

Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

Country-language: IN-en

ÖRYGGISBLAÐ

i.1 all-purpose cleaner FlexDose

1. LIÐUR: AUÐKENNING EFNISINS EÐA BLÖNDUNNAR OG FÉLAGSINS EÐA FYRIRTÆKISINS

1.1. Vörukenni

▼ *Viðskiptaheiti:*

i.1 all-purpose cleaner FlexDose

1.2. Viðeigandi og tilgreind notkun efnis eða blöndu og notkun sem ráðið er frá

Viðeigandi og tilgreind notkun á efninu eða blöndunni:

Þvotta- og hreinsiefni (þar á meðal leysiefni)
Eingöngu ætlað fagmönnum.

Notkun sem ráðið er frá:

Enginn kunnuglegur.

1.3. Upplýsingar um birgi öryggisblaðsins

Fyrirtæki og heimilisfang:

Hygeniq B.V.

Postbus 618
7500 AP Enschede
The Netherlands
+31 53 4282860
+31 53 5393865
www.hygeniq.com

Netfang:

info@hygeniq.com

Dagsetning öryggisblaðs:

27.6.2025

Útgáfa öryggisblaðs:

2.0

Dagsetning fyrri útgáfu:

2.6.2025 (1.0)

1.4. Neyðarsímanúmer

Neyðarlínan: Sími 112.

Eitrunarmiðstöð Landsspítalans. Sími: 543 2222.

Sjá liður 4: Ráðstafanir í skyndihjálpi.

2. LIÐUR: HÆTTUGREINING

2.1. Flokkun efnisins eða blöndunnar

Óflokkað samkvæmt reglugerð (EB) nr. 1272/2008 (CLP).

2.2. Merkingaratriði

Hættumerki:

Á ekki við.

Viðvörðunarorð:

Á ekki við.

Hættusetningar:

Á ekki við.

Varnaðarsetningar:

Almennt:

-

Fyrirbygging:

-

Viðbrögð:

-

Geymsla:

-

Förgun:

-

Tilgreining efna sem valda alvarlegum heilsuvandamálum:

Inniheldur engin efni sem nauðsynlegt er að tilkynna

Viðbótarmerking:

EUH210, Öryggisblað er fáanlegt sé um það beðið.

Innihaldsmerking í samræmi við reglugerð (EB) nr. 648/2004 (á við um umbúðir þvottaefna sem seld eru almenningi):

>5% - <15%

· Ójónuð, yfirborðsvirk efni

< 5%

· Mínushlaðin, yfirborðsvirk efni

· Bleikiefni, að stofni til úr súrefni

· Ilmefni

· Rotvarnarefni (BENZISOTHIAZOLINONE)

2.3. Aðrar hættur

Viðbótarviðvaranir:

Þessi blanda/vara inniheldur ekki nein efni sem ætlað er að standast kröfur sem flokkar þau sem PBT (þrávirk, lífræn eiturefni sem safnast fyrir í lífverum) og/eða vPvB.

Þessi vara inniheldur engin efni sem teljast til innkirtlatruflana í samræmi við viðmiðanirnar sem settar eru fram í framseldri reglugerð framkvæmdastjórnarinnar (ESB) 2017/2100 eða reglugerð framkvæmdastjórnarinnar (ESB) 2023/707.

3. LIÐUR: SAMSETNING INNIHALDSEFNA/UPPLÝSINGAR UM INNIHALDSEFNI

3.1. Efni

Á ekki við. Þessi vara er blanda.

3.2. Blöndur

Vara/innihaldsefnis	Auðkenni	% w/w	Flokkun	Tákn
Alcohol, C13, bran., EO, sulfate Na~	CAS-nr.: 150413-26-6 EB-nr.: 688-316-0 REACH: Vísitala nr. :	1-3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 3, H412	
hydrogen peroxide	CAS-nr.: 7722-84-1 EB-nr.: 231-765-0 REACH: 01-2119485845-22-XXXX Vísitala nr. : 008-003-00-9	1-3%	Ox. Liq. 1, H271 Acute Tox. 4, H302 Skin Corr. 1A, H314 (SCL: 70,00 %) Skin Corr. 1B, H314 (SCL: 50,00 %) Skin Irrit. 2, H315 (SCL: 35,00 %) Eye Dam. 1, H318 (SCL: 8,00 %)	

			Eye Irrit. 2, H319 (SCL: 5,00 %) Acute Tox. 4, H332 STOT SE 3, H336 (SCL: 35,00 %)	
citroenzuurmonohydraat	CAS-nr.: 5949-29-1 EB-nr.: 611-842-9 REACH: 01-2119457026-42-XXXX Vísitala nr. :	<0.1%	Eye Irrit. 2, H319	
Disodium tin hexahydroxide	CAS-nr.: 12027-70-2 EB-nr.: 234-724-5 REACH: 01-2120770924-45-XXXX Vísitala nr. :	<0.05%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	[1]

Allar hættu-/áhættusetningar er að finna í liður 16. Notkunartakmörk eru tekin fram í liður 8 ef þau eru tiltæk.

Aðrar upplýsingar

[1] Evrópsk viðmiðunarmörk váhrifa.

4. LIÐUR: RÁÐSTAFANIR Í SKYNDIHJÁL

4.1. Lýsing á ráðstöfunum í skyndihjál

Almennar upplýsingar:

Ef slys kemur upp: Hafið samband við lækni eða slysadeild - takið merkið sem er á vörunni eða þetta öryggisblað. Hafið samband við lækni ef vafi er á heilsufari viðkomandi eða ef einkennin stöðvast ekki. Gefið aldrei einstaklingi sem misst hefur meðvitund vatn eða annað álíka.

Innöndun:

Öndunarerfiðleikar eða erting í öndunarfarum: Komið viðkomandi á svæði þar sem hann/hún getur fengið ferskt loft og verið áfram með viðkomandi.

Snerting við húð:

Við ertingu: Þvoið efnið af. Við langvarandi ertingu: Leitið til læknis

Snerting við augu:

BERIST EFNIÐ Í AUGU: Skolið augu með vatni (20-30 °C) í a.m.k. 5 mínútur. Fjarlægið augnlinsur. Hringið í lækni.

Inntaka:

Gefið viðkomandi nóg að drekka og verið áfram með honum/henni. Ef viðkomandi líður illa skal hringja tafarlaust í lækni og taka þetta öryggisblað með. Látið viðkomandi ekki kasta upp nema lækningin ráðleggi það. Látið höfuðið snúa niður á við til að uppgangurinn fari ekki aftur upp í munn og háls.

Brunar:

Á ekki við.

4.2. Helstu skaðleg einkenni og áhrif, bæði bráð og tafir

Enginn kunnuglegur.

4.3. Upplýsingar um tafarlausa læknisumönnun og sérstaka meðferð sem þörf er á

Meðhöndlið eftir einkennum.

Upplýsingar fyrir lækna

Takið þetta öryggisblað með eða merkið sem er á vörunni

5. LIÐUR: RÁÐSTAFANIR VEGNA SLÖKKVIÐGERÐA

5.1. Slökkvibúnaður

Á ekki við.

5.2. Sérstakar hættur af völdum efnisins eða blöndunnar

Við eldsvoða mun koma þykkur reykur. Váhrif frálífunarefna geta haft skaðleg áhrif á heilsuna. Lokuð ílát sem eru í snertingu við eld skal kæla með vatni. Látið vatn sem notað er til að slökkva eld ekki renna til skolplagna og annarra vatnsfalla.

Ef varan hefur komist í snertingu við háan hita, s.s. eldsvoða, myndast hættuleg frálífunarefni. Um er að ræða: Kolsýringur (CO / CO₂)

5.3. Ráðgjöf fyrir slökkviliðsmenn

Engar sérstakar kröfur.

6. LIÐUR: RÁÐSTAFANIR EF EFNI FER ÓVART TIL SPILLIS EÐA ER LOSAÐ FYRIR SLYSNI

6.1. Öryggisráðstafanir fyrir fólk, hlífðarbúnaður og neyðarráðstafanir

Tryggið næga loftræstingu, sérstaklega á lokuðum svæðum.

Menguð svæði geta verið hál.

6.2. Varúðarráðstafanir vegna umhverfisins

Forðist að farga í nánd við stöðuvötn, ár, skolplagnir o.s.frv.

Haldið óviðkomandi aðilum frá lekanum

6.3. Aðferðir og efni til afmörkunar og hreinsunar

Taka af og safna saman leka með óbrennanlegu, ísogandi efni t.d. sandi, jörð, vermíkulít eða kísilgúr og setja í ílát til förgunar í samræmi við staðbundnar reglur.

Svo lengi sem það er hægt skal nota hefðbundin hreinsiefni við þvott. Forðast skal leysiefni.

6.4. Tilvísun í aðra liði

Sjá liður 13 um "Förgun" til að fá upplýsingar um meðhöndlun úrgangs.

Sjá liður 8 um "Váhrifavarnir/persónuhlífar" til að fá upplýsingar um varnaraðgerðir.

7. LIÐUR: MEÐHÖNDLUN OG GEYMSLA

7.1. Varúðarráðstafanir um örugga meðhöndlun

Reykingar, neysla matar eða drykkjar og geymsla tóbaks, matar eða drykkjar er óheimil í vinnustofum.

Sjá liður 8 um "Váhrifavarnir/persónuhlífar" til að fá upplýsingar um persónuvernd.

7.2. Örugg geymsluskilyrði, þ.m.t. vegna mögulegs ósamrýmanleika

Ílátum sem hafa verið opnuð verður að loka vel aftur og þau skal geyma upprétt til að koma í veg fyrir leka.

Ráðlagt geymsluefni:

Geymið eingöngu í upprunalegum umbúðum.

Geymsluskilyrði:

Þurr, svalur og vel loftræstur staður

Ósamrýmanleg efni:

Sterkar sýrur, sterkir basar, sterk eldmyndandi efni og sterk frálífunarefni.

7.3. Sértæk, endanleg notkun

Þessa vöru má einungis nota í þeim tilgangi sem tekinn er fram í liður 1.2.

8. LIÐUR: VÁHRIFAVARNIR/PERSÓNUHLÍFAR

8.1. Viðmiðunarmörk fyrir váhrif

hydrogen peroxide

Mengunarmörk (8 tíma) (mg/m³): 1,4

Mengunarmörk (8 tíma) (ppm): 1

Reglugerð um mengunarmörk og aðgerðir til að draga úr mengun á vinnustöðum (390/2009)

Reglugerð um breytingu á reglugerð um mengunarmörk og aðgerðir til að draga úr mengun á vinnustöðum, nr. 390/2009 (631/2021).

DNEL

1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one

Tímalengd:	Váhrifaleið:	DNEL:
Langtíma - Kerfisbundin áhrif - Almennigun	Innöndun	1.2 mg/m ³
Langtíma - Kerfisbundin áhrif - Verkamenn	Innöndun	6.81 mg/m ³
Langtíma - Kerfisbundin áhrif - Almennigun	Snerting við húð	0.345 mg/kg
Langtíma - Kerfisbundin áhrif - Verkamenn	Snerting við húð	966 µg/kg bw/day

Disodium tin hexahydroxide

Tímalengd:	Váhrifaleið:	DNEL:
Langtíma - Kerfisbundin áhrif - Almennigun	Innöndun	1.78 mg/m ³
Langtíma - Kerfisbundin áhrif - Verkamenn	Innöndun	11.9 mg/m ³
Langtíma - Kerfisbundin áhrif - Almennigun	Inntaka	1.21 mg/kg bw/day
Langtíma - Kerfisbundin áhrif - Almennigun	Snerting við húð	1.21 mg/kg bw/day
Langtíma - Kerfisbundin áhrif - Verkamenn	Snerting við húð	3.37 mg/kg bw/day

hydrogen peroxide

Tímalengd:	Váhrifaleið:	DNEL:
Langtíma - Staðbundin áhrif - Almennigun	Innöndun	0,21 mg/m ³
Langtíma - Staðbundin áhrif - Almennigun	Innöndun	210 µg/m ³
Langtíma - Staðbundin áhrif - Verkamenn	Innöndun	1.4 mg/m ³
Skammtíma - Staðbundin áhrif - Almennigun	Innöndun	1.93 mg/m ³
Skammtíma - Staðbundin áhrif - Verkamenn	Innöndun	3 mg/m ³

PNEC

1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one

Váhrifaleið:	Tímalengd notkunar:	PNEC:
Botnfall í ferskvatni		49.9 µg/kg
Botnfall í sjó		4.99 µg/kg
Ferskvatn		4.03 µg/L
Jarðvegur		3 mg/kg
Ósamfelld slepping (ferskvatn)		1.1 µg/L
Ósamfelld slepping (sjór)		110 ng/L
Sjór		403 ng/L
Skólpvinnslustöð		1.03 mg/L

Disodium tin hexahydroxide

Váhrifaleið:	Tímalengd notkunar:	PNEC:
Botnfall í ferskvatni		1.395 mg/kg
Botnfall í sjó		139.46 µg/kg
Ferskvatn		33.1 µg/L
Ósamfelld slepping (ferskvatn)		331 µg/L
Ósamfelld slepping (sjór)		33.1 µg/L
Sjór		3.31 µg/L
Skólpvinnslustöð		10 mg/L

hydrogen peroxide

Váhrifaleið:	Tímalengd notkunar:	PNEC:

Botnfall í ferskvatni		0,047 mg/kg
Botnfall í ferskvatni		47 µg/kg
Botnfall í sjó		0,047 mg/L
Botnfall í sjó		47 µg/kg
Ferskvatn		0,0126 mg/L
Ferskvatn		12.6 µg/L
Jarðvegur		0,023 mg/kg
Jarðvegur		2.3 µg/kg
Ósamfelld slepping (ferskvatn)		13.8 µg/L
Sjór		0,047 mg/L
Sjór		12.6 µg/L
Skólpvinnslustöð		4.66 mg/L
Skólpvinnslustöð		4.66 mg/L

8.2. Takmörkun váhrifa

Athuga skal reglulega samræmi við takmarkanir um snertingu við efnið.

Almennar ráðleggingar:

Reykingar, neysla matar eða drykkjar og geymsla tóbaks, matar eða drykkjar er óheimil í vinnustofum.

Upplýsingar um váhrif:

Ekki eru til neinar sviðsmyndir af váhrifum af þessu efni.

Váhrifamörk:

Notendur efnisins eru verndaðir af atvinnulöggjöf um hámarksstyrk efnisins. Sjá takmörk með tilliti til hollustumála starfsmanna hér að ofan.

Viðeigandi tæknilegar aðgerðir:

Myndun gufu verður vera haldið í lágmarki og fyrir neðan núverandi gildi takmarkanna (sjá að ofan). Mælt er með uppsetningu á staðbundnu útblásturskerfi ef vanalegt loftflæði í vinnuherberginu er ekki nægt. Tryggja skal að neyðarskolun augna og neyðarsturtur séu vandlega merktar.

Viðhafið hefðbundnar varúðarráðstafanir við notkun vörunnar. Forðist innöndun gufa.

Aðgerðir í hollustumálum:

Þegar hlé er tekið eftir að efnið hefur verið notað og þegar notkun þess er lokið skal þvo alla líkamshluta sem komist hafa í snertingu við efnið. Gætið sérstaklega að höndum, framhandleggjum og andliti.

Aðgerðir til að forðast að efnið komist í umhverfið:

Engar sérstakar kröfur.

Einstaklingsvarnir, s.s. Hlíðarbúnaður

Almennt:

Notið einungis hlíðarbúnað með CE merkingu.

Öndunarbúnaður:

Gerð	Flokkur	Litur	Evrópustaðal	
Ekkert sem taka þarf sérstaklega fram við hefðbundna tilætlaða notkun.				

Húðhlífar:

Ráðlagt	Gerð/Flokkur	Evrópustaðal	
Ekkert sem taka þarf sérstaklega fram við hefðbundna tilætlaða notkun	-	-	

Handhlífar:

Vinnuaðstaða	Ráðlagt	Þykkt (mm)	Gegnumbrots-tími (mín.)	Evrópustaðal	
	Ekkert sem taka þarf sérstaklega fram við hefðbundna tilætlaða notkun	-	-	-	
Við langvinn váhrif eða mikinn styrk	Bómull / Náttúrulegt gúmmí (latex)	-	> 120	EN374-2, EN16523-1, EN388	

Augnhlífur:

Vinnuaðstaða	Gerð	Evrópustaðal	
	Ekkert sem taka þarf sérstaklega fram við hefðbundna tilætlaða notkun.	-	
Við langvinn váhrif eða mikinn styrk	Notið öryggisglæraugu með hliðarhlíf.	EN166	

9. LIÐUR: EÐLIS- OG EFNAFRÆÐILEGIR EIGINLEIKAR

9.1. Upplýsingar um eðlis- og efnafræðilega grunneiginleika

Form (fasi):

Vökvi

Litur:

Litlaust

Lykt / Lykt þröskuld (ppm):

Af ilmvatni

pH:

ca. 4.8

Eðlismassi (g/cm³):

1,02 (20 °C)

Kinematic seigja:

Engin gögn tiltæk.

Agnæinkenni:

Á ekki við um vökva.

Fasabreytingar

Bræðslumark/Frystmark (°C):

Engin gögn tiltæk.

Mýktarmark/-svið (°C):

Á ekki við um vökva.

Suðumark (°C):

Engin gögn tiltæk.

Gufuþrýstingur:

Engin gögn tiltæk.

Hlutfallsleg gufuþéttleiki:

Engin gögn tiltæk.

Niðurbrotshitastig (°C):

Engin gögn tiltæk.

Gögn um eld- og sprengihættu

Kveikjumark (°C):
Engin gögn tiltæk.

Kveiking (°C):
Engin gögn tiltæk.

Sjálfsíkveikjuhitastig (°C):
Engin gögn tiltæk.

Sprengimörk (% v/v):
Engin gögn tiltæk.

Uppleysanleiki

Uppleysanleiki í vatni:
Fullkomlega leysanlegt

n-oktanól/vatnsstuðull (LogKow):
Engin gögn tiltæk.

Uppleysanleiki í fitu (g/L):
Engin gögn tiltæk.

9.2. Aðrar upplýsingar

Aðrar eðlisfræðilegar og efnafræðilegar breytur:
Engin gögn tiltæk.

Oxunareiginleikar:
Engin gögn tiltæk.

10. LIÐUR: STÖÐUGLEIKI OG HVARFGIRNI

10.1. Hvarfgirni

Engin gögn tiltæk.

10.2. Efnafræðilegur stöðugleiki

Varan er stöðug við þær aðstæður sem lýst í liður 7 um "Meðhöndlun og geymsla".

10.3. Möguleiki á hættulegu efnahvarfi

Enginn kunnuglegur.

10.4. Skilyrði sem ber að varast

Enginn kunnuglegur.

10.5. Ósamrýmanleg efni

Sterkar sýrur, sterkir basar, sterk eldmyndandi efni og sterk frálífunarefni.

10.6. Hættuleg niðurbrotsefni

Hættuleg niðurbrotsefni ættu ekki að myndast við eðlileg geymslu- og notkunarskilyrði.

11. LIÐUR: EITUREFNAFRÆÐILEGAR UPPLÝSINGAR

11.1. Upplýsingar um eiturefnafræðileg áhrif

Bráð eiturrhif

Vara/innihaldsefnis	hydrogen peroxide
Tegund:	Rotta
Váhrifaleið:	Inntaka
Próf:	LD50
Niðurstaða:	1.193 - 1.270 mg/L

Vara/innihaldsefnis	hydrogen peroxide
Tegund:	Kanína
Váhrifaleið:	Snerting við húð
Próf:	LD50
Niðurstaða:	>2.000 (35% oplossing) mg/kg

Vara/innihaldsefnis	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Tegund:	Rotta
Váhrifaleið:	Inntaka
Próf:	LD50
Niðurstaða:	500 mg/kg

Miðað við fánleg gögn eru flokkunarskilyrði ekki uppfyllt.

Húðæting/húðerting

Vara/innihaldsefnis	hydrogen peroxide
Niðurstaða:	Vart varð við aukaverkanir (Ertandi)

Vara/innihaldsefnis	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Prófunaraðferð:	OECD 404
Niðurstaða:	Vart varð við aukaverkanir (Ertandi)

Miðað við fánleg gögn eru flokkunarskilyrði ekki uppfyllt.

Alvarlegur augnskaði/augnerting

Vara/innihaldsefnis	hydrogen peroxide
Niðurstaða:	Vart varð við aukaverkanir (Veldur alvarlegum augnskaða)

Vara/innihaldsefnis	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Prófunaraðferð:	OECD 405
Niðurstaða:	Vart varð við aukaverkanir (Veldur alvarlegum augnskaða)

Miðað við fánleg gögn eru flokkunarskilyrði ekki uppfyllt.

Næming öndunarfæra

Vara/innihaldsefnis	hydrogen peroxide
Niðurstaða:	Ekki vart við neinar aukaverkanir (ekki næmandi)

Miðað við fánleg gögn eru flokkunarskilyrði ekki uppfyllt.

Húðnæming

Vara/innihaldsefnis	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Prófunaraðferð:	OECD 429
Tegund:	Mús
Niðurstaða:	Vart varð við aukaverkanir (næmandi)

Vara/innihaldsefnis	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Prófunaraðferð:	OECD 406
Tegund:	Hamstur
Niðurstaða:	Vart varð við aukaverkanir (næmandi)

Miðað við fánleg gögn eru flokkunarskilyrði ekki uppfyllt.

Stökkbreytandi áhrif á kímfrumur

Miðað við fánleg gögn eru flokkunarskilyrði ekki uppfyllt.

Krabbameinsvaldandi áhrif

Vara/innihaldsefnis	hydrogen peroxide
Niðurstaða:	Ekki vart við neinar aukaverkanir

Miðað við fánleg gögn eru flokkunarskilyrði ekki uppfyllt.

Eiturhrif á æxlun

Vara/innihaldsefnis	hydrogen peroxide
Niðurstaða:	Ekki vart við neinar aukaverkanir

Miðað við fánleg gögn eru flokkunarskilyrði ekki uppfyllt.

Sértæk eiturhrif á marklíffæri – váhrif í eitt skipti

Miðað við fánleg gögn eru flokkunarskilyrði ekki uppfyllt.

Sértæk eiturhrif á marklíffæri – endurtekin váhrif

Miðað við fánleg gögn eru flokkunarskilyrði ekki uppfyllt.

Ásvelgingarhætta

Vara/innihaldsefnis hydrogen peroxide
Miðað við fánleg gögn eru flokkunarskilyrði ekki uppfyllt.

11.2. Upplýsingar um aðrar hættur

Langvarandi áhrif

Enginn kunnuglegur.

Innkirtlatruflandi eiginleikar

Þessi blanda/vara inniheldur engin efni sem talin eru hafa hormónatruflandi eiginleika í tengslum við heilsu.

Aðrar upplýsingar

hydrogen peroxide : IARC skilgreinir efnið í flokk 3.

12. LIÐUR: VISTFRÆÐILEGAR UPPLÝSINGAR

12.1. Visteiturhrif

Vara/innihaldsefnis hydrogen peroxide
Tegund: Fiskur, Pimephales promelas
Tímalengd: 96 klst.
Próf: LC50
Niðurstaða: 16,4 mg/L

Vara/innihaldsefnis hydrogen peroxide
Tegund: Fiskur, Leuciscus idus
Tímalengd: 72 klst.
Próf: LC50
Niðurstaða: 35 mg/L

Vara/innihaldsefnis hydrogen peroxide
Tegund: Fiskur, Oncorhynchus mykiss
Tímalengd: 7 dagar
Próf: LC50
Niðurstaða: 38,5 mg/L

Vara/innihaldsefnis hydrogen peroxide
Tegund: Daphnia pulex
Tímalengd: 48 klst.
Próf: EC50
Niðurstaða: 2,4 mg/L

Vara/innihaldsefnis hydrogen peroxide
Tegund: Daphnia magna
Tímalengd: 24 klst.
Próf: EC50
Niðurstaða: 7,7 mg/L

Vara/innihaldsefnis hydrogen peroxide
Tegund: Skeletonema costatum
Tímalengd: 72 klst.
Próf: EC50
Niðurstaða: 1,38 mg/L

Vara/innihaldsefnis hydrogen peroxide
Prófunaraðferð: OECD 209
Tegund: Bakteríur
Umhverfi: Virk seyruvinnslustöð
Tímalengd: 30 minutes
Próf: EC50
Niðurstaða: 466 mg/L

Vara/innihaldsefnis hydrogen peroxide

Prófunaraðferð:	OECD 209
Tegund:	Bakteríur
Umhverfi:	Virk seyruvinnslustöð
Tímalengd:	3 klst.
Próf:	EC50
Niðurstaða:	> 1.000 mg/L

Vara/innihaldsefnis	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Tegund:	Fiskur
Tímalengd:	96 klst.
Próf:	LC50
Niðurstaða:	>0.1-1 mg/L

Vara/innihaldsefnis	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Tegund:	Krabbadýr
Tímalengd:	48 klst.
Próf:	EC50
Niðurstaða:	>0.1-1 mg/L

Vara/innihaldsefnis	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Tegund:	Þörungur
Tímalengd:	72 klst.
Próf:	EC50
Niðurstaða:	>0.1-1 mg/L

Miðað við fánleg gögn eru flokkunarskilyrði ekki uppfyllt.

12.2. Þrávirkni og niðurbrotjótanleiki

Vara/innihaldsefnis	Alcohol, C13, bran., EO, sulfate Na~
Niðurstaða:	> 60 %
Niðurstaða:	Auðlífbrjótanlegt
Próf:	OECD 301 B

Vara/innihaldsefnis	hydrogen peroxide
Niðurstaða:	Auðlífbrjótanlegt

Vara/innihaldsefnis	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Niðurstaða:	90%
Niðurstaða:	Auðlífbrjótanlegt
Próf:	OECD 302

Yfirborðsvirku efnin í þessari vörur standast skilyrði um lífrænt niðurbrot eins og þau eru sett fram í reglugerð EB 648/2004. Niðurstöður sem styðja þessa fullyrðingu eru aðgengilegar fyrir hlutaðeigandi yfirvöld aðildarlandanna óski þau þess, eða ef framleiðandi hreinsiefni óskar þess.

12.3. Uppsöfnun í lífverum

Vara/innihaldsefnis	hydrogen peroxide
LogKow:	-1,57
Niðurstaða:	-

Vara/innihaldsefnis	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
BCF:	2
LogKow:	1.45
Niðurstaða:	Möguleikar á uppsöfnun í lífverum eru litlir

12.4. Hreyfanleiki í jarðvegi

Engin gögn tiltæk.

12.5. Niðurstöður úr mati á PBT- og vPvB-eiginleikum.

Þessi blanda/vara inniheldur ekki nein efni sem ætlað er að standast kröfur sem flokkar þau sem PBT (þrávirk, lífræn eiturefni sem safnast fyrir í lífverum) og/eða vPvB.

12.6. Innkirtlatruflandi eiginleikar

Þessi blanda/vara inniheldur engin efni sem talin eru hafa innkirtlatruflandi eiginleika í tengslum við umhverfið.

12.7. Önnur skaðleg áhrif

Enginn kunnuglegur.

13. LIÐUR: FÖRGUN

13.1. Aðferðir við meðhöndlun úrgangs

Um vöruna gilda reglugerðir varðandi hættulegan úrgang. (*)

HP 4 - ertandi (erting í húð og augnskemmdir)

Reglugerð framkvæmdastjórnarinnar (ESB) nr. 1357/2014 frá 18. desember 2014 um úrgang.

EWC-kóði:

20 01 30

önnur en tilgreind eru í 20 01 29 hreinsiefni

Samsettar umbúðir

Umbúðir sem innihalda leifar af efninu skal farga á sama hátt og vörunni á að farga.

14. LIÐUR: UPPLÝSINGAR UM FLUTNINGA

	14.1 UN	14.2 Nafn/lýsing	14.3 Flokkur	14.4 PG*	14.5. Env**	Aðrar upplýsingar:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Pökkunarflokkur

** Umhverfshættur

Viðbótarupplýsingar

Ekki skráð sem hættulegt efni í reglugerðum ADR, IATA og IMDG (alþjóðlegur kóði um siglingu með hættulegan varning).

14.6. Sérstakar varúðarráðstafanir fyrir notanda

Á ekki við.

14.7. Flutningar búlkaframs skv. II. viðauka við MARPOL-samninginn og IBC-kóðanum.

Engin gögn tiltæk.

15. LIÐUR: UPPLÝSINGAR VARÐANDI REGLUVERK

15.1. Sértæk ákvæði/löggjöf fyrir efnið eða blönduna vegna öryggis, heilbrigðis og umhverfis

Takmarkanir á notkun:

Eingöngu ætlað fagmönnum.

Beiðnir um sérstaka þjálfun:

Engar sérstakar kröfur.

SEVESO:

Á ekki við.

hydrogen peroxide (Viðauki I.)

Innihaldsmerking í samræmi við reglugerð (EB) nr. 648/2004:

>5% - <15%

· Ójónuð, yfirborðsvirk efni

< 5%

· Mínushlaðin, yfirborðsvirk efni

· Bleikiefni, að stofni til úr súrefni

· Ilmefni

· Rotvarnarefni (BENZISOTHIAZOLINONE)

Viðbótarupplýsingar:

Yfirborðsvirku efni í þessari vörur standast skilyrði um lífrænt niðurbrot eins og þau eru sett fram í reglugerð EB 648/2004. Niðurstöður sem styðja þessa fullyrðingu eru aðgengilegar fyrir hlutaðeigandi yfirvöld aðildarlandanna óski þau þess, eða ef framleiðandi hreinsiefni óskar þess.

Heimildir:

Reglugerð Evrópuþingsins og Ráðsins (EB) nr. 648/2004 frá 31. mars 2004 um votta- og hreinsiefni.
Reglugerð framkvæmdastjórnarinnar (ESB) nr. 1357/2014 frá 18. desember 2014 um úrgang.
Council Regulation (EC) No 2019/1148 on explosives precursors.
Reglugerð (EB) nr. 1272/2008 (CLP) um flokkun, merkingu og umbúðir efna og blanda (með áorðnum breytingum).
Reglugerð framkvæmdastjórnarinnar (ESB) nr. 1907/2006 (REACH).

15.2. Efnaöryggismat

Nei

16. LIÐUR: AÐRAR UPPLÝSINGAR

Allar hættu-/áhættusetningar er að finna í liður 3

H271, Getur valdið bruna eða sprengingu, mjög eldmyndandi (oxandi).
H302, Hættulegt við inntöku.
H314, Veldur alvarlegum bruna á húð og augnskaða.
H315, Veldur húðertingu.
H318, Veldur alvarlegum augnskaða.
H319, Veldur alvarlegri augnertingu.
H332, Hættulegt við innöndun.
H335, Getur valdið ertingu í öndunarferum.
H336, Getur valdið sljóleika eða svima.
H412, Skaðlegt lífi í vatni, hefur langvinn áhrif.

Skammstafanir og upphafsstafir

ADR = Evrópusamningnum um millilandaflutninga á hættulegum farmi á vegum
ATE = Matsgildi bráðra eiturrifa
CAS = Efnafræðileg ágreipsþjónustan
CE = Conformité Européenne
CLP = Reglugerð um flokkun, merkingu og pökkun efna og blanda [Reglugerð (EB) nr. 1272/2008]
CLP-H setning = Hættusetning sem á við um flokkun, merkingu og umbúðir efna og efnablanda (CLPreglugerð)
DNEL = Afleidd áhrifaleysismörk
EC50 = Styrkur í tengslum við 50% svörun
EuPCS = Evrópsk vöruflokkunarkerfi
EWC = Evrópsk skrá yfir úrgang
GWP = Hnatþræn hlýnunarmöguleiki
IATA = Alþjóðasamtök flugflutninga
IMGA = Alþjóðlegur hættulegur varningur til sjós
IMO = Alþjóðasiglingamálastofnunin
LC50 = Miðgildisbanastyrkur
LD50 = 50% drápsskammtur
OECD = Efnahags- og framfarastofnun Evrópu
PBT = Efni sem eru þrávirk, safnast upp í lífverum og eru eitruð
PNEC = styrkur þar sem engin áhrif eru fyrirjáanleg
RRN = REACH-skráningarnúmer
RID = Reglugerðin varðandi alþjóðlegan flutning hættulegs vöru með járnbrautum
RRN = REACH skráningarnúmer
SCL = Um gilda sérstök mörk um styrk.
UVCB = Óþekkt eða breytileg samsetning, flókin hvarfefni eða líffræðilegra efna
vPvB = Efni sem eru mjög þrávirk og safnast upp í lífverum í miklum mæli

Viðbótarupplýsingar

Á ekki við.

Öryggisblaðið er vottað af

Quality & Compliance

Annað

Breytingar (í samræmi við síðustu meginbreytingu (fyrsti tölustafurinn í SDS-útgáfunni)) eru merktar með þríhyrningi. Upplýsingarnar sem er að finna á þessu öryggisblaði eiga einungis við þessa tilteknu vöru (tekið fram í liður 1) og á ekki endilega við notkun annarra efna/vara.

Ráðlagt er að láta núverandi notanda vörunnar fá þetta öryggisblað. Upplýsingarnar sem er að finna á þessu öryggisblaði er ekki hægt að nota sem vörulýsingu.

Land-tungumál: IS-is

SCHEDA DI DATI DI SICUREZZA

i.1 all-purpose cleaner FlexDose

SEZIONE 1: IDENTIFICAZIONE DELLA SOSTANZA/MISCELA E DELLA SOCIETÀ/IMPRESA

1.1. Identificatore del prodotto

▼ *Nome commerciale:*

i.1 all-purpose cleaner FlexDose

1.2. Usi identificati pertinenti della sostanza o della miscela e usi sconsigliati

Usi pertinenti identificati della sostanza o miscela:

Detergenti e detergenti (anche a base di solventi)
Uso ristretto agli utilizzatori professionali.

Usi sconsigliati :

Non noto.

1.3. Informazioni sul fornitore della scheda di dati di sicurezza

Nome e indirizzo azienda:

Hygeniq B.V.

Postbus 618
7500 AP Enschede
The Netherlands
+31 53 4282860
+31 53 5393865
www.hygeniq.com

Indirizzo email:

info@hygeniq.com

Revisione:

27/06/2025

Versione SDS:

2.0

Data dell'edizione precedente:

02/06/2025 (1.0)

1.4. Numero telefonico di emergenza

Centri AntiVeleni (CAV) attivi 24 ore al giorno:

Bergamo: Az. Osp. Papa Giovanni XXII. Piazza OMS, 1, 24127. Telefono: 800.88.33.00
Firenze: Az. Osp. "Careggi" U.O. Tossicologia Medica. Largo Brambilla, 3, 50134. Telefono: 055.794.7819
Foggia: Az. Osp. Univ. Foggia. V.le Luigi Pinto, 1, 71122. Telefono: 800.183.459
Milano: Osp. Niguarda Ca' Granda. Piazza Ospedale Maggiore, 3, 20162. Telefono: 02.66.1010.29
Napoli: Az. Osp. "A. Cardarelli". Via A. Cardarelli, 9, 80131. Telefono: 081.545.3333
Pavia: Centro Nazionale di Informazione Tossicologica. Via Salvatore Maugeri, 10, 27100. Telefono: 0382.24.444
Roma: "Osp. Pediatrico Bambino Gesù" Dip. Emergenza e Accettazione DEA. Piazza Sant'Onofrio, 4, 00165. Telefono: 06.6859.3726
Roma: Policlinico "A. Gemelli". Largo Agostino Gemelli, 8, 168. Telefono: 06-3054343
Roma: Policlinico "Umberto I". V.le del Policlinico, 155, 161. Telefono: 06.4997.8000
Verona: Az. Osp. Integrata Verona. Piazzale Aristide Stefani, 1, 37126. Telefono: 800.011.858

Vedere la sezione 4 sulle misure di primo soccorso.

SEZIONE 2: IDENTIFICAZIONE DEI PERICOLI

2.1. Classificazione della sostanza o della miscela

Non classificato secondo il Regolamento CE n. 1272/2008 (CLP).

2.2. Elementi dell'etichetta

Pittogrammi di pericolo:

Non applicabile.

Avvertenza:

Non applicabile.

Indicazioni di pericolo:

Non applicabile.

Consigli di prudenza:

Generale:

-

Prevenzione:

-

Reazione:

-

Conservazione:

-

Smaltimento:

-

Contenuto:

Non contiene sostanze Soggette all'obbligo di notifica

Altre etichette:

EUH210, Scheda dati di sicurezza disponibile su richiesta.

Etichettatura dei contenuti conforme al Regolamento sui detersivi 648/2004 (applicabile agli imballaggi dei detersivi venduti al pubblico):

>5% - <15%

· Tensioattivi Non ionici

< 5%

· Tensioattivi anionici

· Sbiancanti a base di ossigeno

· Profumi

· Conservanti (BENZISOTHIAZOLINONE)

2.3. Altri pericoli

Altro:

Questa miscela/prodotto non contiene sostanze che soddisfano i criteri di classificazione PBT e/o vPvB.

Questo prodotto non contiene sostanze considerate interferenti endocrini conformemente ai criteri stabiliti nel regolamento delegato (UE) 2017/2100 della Commissione o nel regolamento (UE) 2023/707 della Commissione.

SEZIONE 3: COMPOSIZIONE/INFORMAZIONI SUGLI INGREDIENTI

3.1. Sostanze

Non applicabile. Questo prodotto è una miscela.

3.2. Miscele

Prodotto/ingrediente	Identificatori	% w/w	Classificazione	Not.
Alcohol, C13, bran., EO,	n. CAS: 150413-26-6	1-3%	Skin Irrit. 2, H315	

sulfate Na~	n. CE: 688-316-0 REACH: n. indice:		Eye Irrit. 2, H319 Aquatic Chronic 3, H412	
perossido di idrogeno soluzione 35%; acqua ossigenata 35%	n. CAS: 7722-84-1 n. CE: 231-765-0 REACH: 01-2119485845-22-XXXX n. indice: 008-003-00-9	1-3%	Ox. Liq. 1, H271 Acute Tox. 4, H302 Skin Corr. 1A, H314 (SCL: 70,00 %) Skin Corr. 1B, H314 (SCL: 50,00 %) Skin Irrit. 2, H315 (SCL: 35,00 %) Eye Dam. 1, H318 (SCL: 8,00 %) Eye Irrit. 2, H319 (SCL: 5,00 %) Acute Tox. 4, H332 STOT SE 3, H336 (SCL: 35,00 %)	
citroenzuurmonohydraat	n. CAS: 5949-29-1 n. CE: 611-842-9 REACH: 01-2119457026-42-XXXX n. indice:	<0.1%	Eye Irrit. 2, H319	
Disodium tin hexahydroxide	n. CAS: 12027-70-2 n. CE: 234-724-5 REACH: 01-2120770924-45-XXXX n. indice:	<0.05%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	[1]

Il testo completo delle frasi H è riportato alla sezione 16. I valori limite per l'igiene del lavoro sono riportati alla sezione 8, se disponibili.

Altre informazioni

[1] Limite di esposizione professionale valido a livello europeo.

SEZIONE 4: MISURE DI PRIMO SOCCORSO

4.1. Descrizione delle misure di primo soccorso

Generalità:

In caso di incidenti: consultare il medico oppure un ospedale. Portare con sé l'etichetta oppure questa scheda di sicurezza. Il medico potrà rivolgersi alla clinica di medicina ambientale e del lavoro.

In caso di sintomi importanti o in caso di dubbio sulle condizioni di salute, consultare un medico. Non somministrare mai a una persona incosciente acqua o liquidi.

Inalazione:

Nel caso di difficoltà respiratorie o irritazione dell'apparato respiratorio: Portare l'infortunato all'aria fresca e tenerlo sotto controllo.

Contatto con la pelle:

In caso di irritazione: lavare la parte irritata per togliere il prodotto. Se l'irritazione persiste consultare un medico.

▼ Contatto con gli occhi:

In caso di contatto con gli occhi: Risciacquare abbondantemente con acqua (20 - 30 °C) per almeno 5 minuti. Rimuovere eventuali lenti a contatto. Consultare un medico.

Ingestione:

Se la persona è cosciente, risciacquare la bocca con acqua e rimanere con lei. In caso di malessere contattare immediatamente un medico e consegnargli la presente scheda di sicurezza oppure l'etichetta del prodotto. Non provocare il vomito, a meno che non venga raccomandato dal medico. Abbassare la testa per evitare la risalita di particelle di vomito nella bocca e nella gola.

Combustione:

Non applicabile.

4.2. Principali sintomi ed effetti, sia acuti che ritardati

Non noto.

4.3. Indicazione dell'eventuale necessità di consultare immediatamente un medico e di trattamenti speciali

Trattare sintomaticamente.

Nota per il medico

Portare con sé la presente scheda di sicurezza oppure l'etichetta del materiale.

SEZIONE 5: MISURE DI LOTTA ANTINCENDIO

5.1. Mezzi di estinzione

Non applicabile.

5.2. Pericoli speciali derivanti dalla sostanza o dalla miscela

In caso d'incendio si sviluppa un fumo denso. L'esposizione ai prodotti di degradazione può rappresentare un pericolo per la salute. I contenitori chiusi esposti al fuoco possono essere spenti con acqua. Non versare l'acqua proveniente dagli idranti negli scarichi e nelle fogne.

Se il prodotto viene esposto a temperature elevate, ad es. in caso d'incendio, può dare origine a prodotti di degradazione pericolosi. Essi sono:

Ossidi di carbonio (CO / CO₂)

5.3. Raccomandazioni per gli addetti all'estinzione degli incendi

Nessun requisito particolare.

SEZIONE 6: MISURE IN CASO DI RILASCIO ACCIDENTALE

6.1. Precauzioni personali, dispositivi di protezione e procedure in caso di emergenza

Le aree contaminate possono essere scivolose.

6.2. Precauzioni ambientali

Non scaricare il prodotto in laghi, fiumi, scarichi ecc.

Tenere le persone non autorizzate lontane dalla fuoriuscita

6.3. Metodi e materiali per il contenimento e per la bonifica

Contenere e raccogliere i versamenti con materiale non combustibile, assorbente, ad es. sabbia, terra diatomacea e riporre nel contenitore per lo smaltimento ai sensi dei regolamenti locali.

La pulizia viene eseguita per quanto possibile con detergenti. Evitare l'uso di solventi.

6.4. Riferimento ad altre sezioni

Vedere la sezione 13 "Considerazioni sullo smaltimento" sulla gestione dei rifiuti.

Vedere la sezione 8 "Controlli dell'esposizione/protezione individuale" per l'attrezzatura di protezione.

SEZIONE 7: MANIPOLAZIONE E IMMAGAZZINAMENTO

7.1. ▼ Precauzioni per la manipolazione sicura

Non fumare, mangiare né bere nei locali.

Vedere la sezione 8 "Controllo dell'esposizione/protezione individuale" per l'attrezzatura di protezione.

7.2. Condizioni per lo stoccaggio sicuro, comprese eventuali incompatibilità

I contenitori aperti devono essere accuratamente risigillati e mantenuti dritti per evitare fuoriuscite accidentali del prodotto.

Compatibilità degli imballaggi:

Conservare soltanto nell'imballaggio originale.

Condizioni di conservazione:

Asciutto, fresco e ben ventilato

Materiali incompatibili:

Acidi forti, basi forti, ossidanti forti e agenti riducenti forti.

7.3. Usi finali particolari

Questo prodotto deve essere utilizzato solo per gli scopi descritti nella sezione 1.2.

SEZIONE 8: CONTROLLI DELL'ESPOSIZIONE/DELLA PROTEZIONE INDIVIDUALE

8.1. Parametri di controllo

Il prodotto non contiene alcuna sostanza elencata nella lista italiana di sostanze con un limite di esposizione sul posto di lavoro.

DNEL

1,2-benzisotiazol-3(2H)-one; 1,2-benzisotiazolin-3-one

Durata:	Via di esposizione:	DNEL:
Lungo termine - effetti sistemici - lavoratori	Cutanea	966 µg/kg/giorno
Lungo termine - effetti sistemici - popolazione generale	Cutanea	0.345 mg/kg
Lungo termine - effetti sistemici - lavoratori	Inalazione	6.81 mg/m ³
Lungo termine - effetti sistemici - popolazione generale	Inalazione	1.2 mg/m ³

Disodium tin hexahydroxide

Durata:	Via di esposizione:	DNEL:
Lungo termine - effetti sistemici - lavoratori	Cutanea	3.37 mg/kg/giorno
Lungo termine - effetti sistemici - popolazione generale	Cutanea	1.21 mg/kg/giorno
Lungo termine - effetti sistemici - lavoratori	Inalazione	11.9 mg/m ³
Lungo termine - effetti sistemici - popolazione generale	Inalazione	1.78 mg/m ³
Lungo termine - effetti sistemici - popolazione generale	Orale	1.21 mg/kg/giorno

perossido di idrogeno soluzione 35%; acqua ossigenata 35%

Durata:	Via di esposizione:	DNEL:
Breve termine - effetti locali - lavoratori	Inalazione	3 mg/m ³
Breve termine - effetti locali - popolazione generale	Inalazione	1.93 mg/m ³
Lungo termine - effetti locali - lavoratori	Inalazione	1.4 mg/m ³
Lungo termine - effetti locali - popolazione generale	Inalazione	0.21 mg/m ³
Lungo termine - effetti locali - popolazione generale	Inalazione	210 µg/m ³

PNEC

1,2-benzisotiazol-3(2H)-one; 1,2-benzisotiazolin-3-one

Via di esposizione:	Durata dell'esposizione:	PNEC:
Acqua dolce		4.03 µg/L
Acqua marina		403 ng/L
Impianto di trattamento delle acque reflue		1.03 mg/L
Rilascio intermittente (acqua dolce)		1.1 µg/L
Rilascio intermittente (acqua marina)		110 ng/L
Sedimenti di acqua dolce		49.9 µg/kg
Sedimenti di acqua marina		4.99 µg/kg
Terreno		3 mg/kg

Disodium tin hexahydroxide

Via di esposizione:	Durata dell'esposizione:	PNEC:
Acqua dolce		33.1 µg/L
Acqua marina		3.31 µg/L

Impianto di trattamento delle acque reflue		10 mg/L
Rilascio intermittente (acqua dolce)		331 µg/L
Rilascio intermittente (acqua marina)		33.1 µg/L
Sedimenti di acqua dolce		1.395 mg/kg
Sedimenti di acqua marina		139.46 µg/kg

perossido di idrogeno soluzione 35%; acqua ossigenata 35%

Via di esposizione:	Durata dell'esposizione:	PNEC:
Acqua dolce		0,0126 mg/L
Acqua dolce		12.6 µg/L
Acqua marina		0,047 mg/L
Acqua marina		12.6 µg/L
Impianto di trattamento delle acque reflue		4.66 mg/L
Impianto di trattamento delle acque reflue		4.66 mg/L
Rilascio intermittente (acqua dolce)		13.8 µg/L
Sedimenti di acqua dolce		0,047 mg/kg
Sedimenti di acqua dolce		47 µg/kg
Sedimenti di acqua marina		0,047 mg/L
Sedimenti di acqua marina		47 µg/kg
Terreno		0,023 mg/kg
Terreno		2.3 µg/kg

8.2. Controlli dell'esposizione

Applicare un controllo generale per evitare un'esposizione non necessaria.

Precauzioni generali:

Non fumare, mangiare né bere nei locali.

Scenari di esposizione:

Non ci sono scenari di esposizione implementati per questo prodotto.

Limiti di esposizione:

Non sono riportati limiti di esposizione per le sostanze contenute nel prodotto.

Misure tecniche:

Applicare precauzioni standard durante l'uso del prodotto. Evitare l'inalazione di vapori.

Misure igieniche:

Tra una pausa di utilizzo e l'altra del prodotto e al termine del lavoro, lavare accuratamente le parti del corpo che sono venute in contatto con la presente sostanza. Prestare particolare attenzione alle mani, agli avambracci e al viso.

Misure per la limitazione dell'esposizione ambientale:

Nessun requisito particolare.

Misure di protezione individuale, quali dispositivi di protezione individuale

Generalità:

Usare solo equipaggiamento protettivo con il marchio CE.

Vie aeree:

Tipo	Classe	Colore	Norme	
Nessuna condizione particolare per il normale uso previsto.				

Cute e corpo:

Raccomandato	Tipo/Categoria	Norme	
Nessuna condizione particolare per il normale uso previsto	-	-	

Mani:

Situazione di lavoro	Materiale	Spessore minimo (mm)	Tempo di permeazione (min.)	Norme	
	Nessuna condizione particolare per il normale uso previsto	-	-	-	
Nel caso di esposizione prolungata o concentrazioni elevate	Cotone / Gomma (Lattice)	-	> 120	EN374-2, EN16523-1, EN388	

Occhi:

Situazione di lavoro	Tipo	Norme	
	Nessuna condizione particolare per il normale uso previsto.	-	
Nel caso di esposizione prolungata o concentrazioni elevate	Indossare occhiali di sicurezza con protezioni laterali.	EN166	

SEZIONE 9: PROPRIETÀ FISICHE E CHIMICHE

9.1. Informazioni sulle proprietà fisiche e chimiche fondamentali

Stato fisico:

Liquido

Colore:

Incolore

Odore / Soglia olfattiva (ppm):

Di profumo

pH:

ca. 4.8

Densità (g/cm³):

1,02 (20 °C)

Viscosità cinematica::

Dati non disponibili.

Caratteristiche delle particelle:

Non si applica ai liquidi.

Modifica di stato e vapore

punto di fusione/punto di congelamento (°C):

Dati non disponibili.

Punto/intervallo di rammollimento (°C):

Non si applica ai liquidi.

Punto di ebollizione (°C):

Dati non disponibili.

Pressione del vapore:

Dati non disponibili.

Densità di vapore relativa:

Dati non disponibili.

Temperatura di decomposizione (°C):

Dati non disponibili.

Dati relativi al pericolo di incendio e di esplosione

Punto di fiamma (°C):

Dati non disponibili.

Infiammabilità (°C):

Dati non disponibili.

Temperatura di autoaccensione (°C):

Dati non disponibili.

Limite di esplosione (% v/v):

Dati non disponibili.

Solubilità

Solubilità in acqua:

Completamente solubile

Coefficiente n-ottanolo/acqua (LogKow):

Dati non disponibili.

Solubilità in grassi (g/L):

Dati non disponibili.

9.2. Altre informazioni

Altri parametri fisici e chimici:

Dati non disponibili.

Proprietà ossidanti:

Dati non disponibili.

SEZIONE 10: STABILITÀ E REATTIVITÀ

10.1. Reattività

Dati non disponibili.

10.2. Stabilità chimica

Il prodotto è stabile nelle condizioni riportate nella sezione 7 "Manipolazione e immagazzinamento".

10.3. Possibilità di reazioni pericolose

Non noto.

10.4. Condizioni da evitare

Non noto.

10.5. Materiali incompatibili

Acidi forti, basi forti, ossidanti forti e agenti riducenti forti.

10.6. Prodotti di decomposizione pericolosi

In normali condizioni di stoccaggio e utilizzo, non devono essere prodotti prodotti di decomposizione pericolosi.

SEZIONE 11: INFORMAZIONI TOSSICOLOGICHE

11.1. Informazioni sulle classi di pericolo definite nel regolamento (CE) n. 1272/2008

Tossicità acuta

Prodotto/ingrediente	perossido di idrogeno soluzione 35%; acqua ossigenata 35%
Specie:	Ratto
Via di esposizione:	Orale
Test:	DL50

Risultato: 1.193 - 1.270 mg/L

Prodotto/ingrediente perossido di idrogeno soluzione 35%; acqua ossigenata 35%
Specie: Coniglio
Via di esposizione: Cutanea
Test: DL50
Risultato: >2.000 (35% oplossing) mg/kg

Prodotto/ingrediente 1,2-benzisotiazol-3(2H)-one; 1,2-benzisotiazolin-3-one
Specie: Ratto
Via di esposizione: Orale
Test: DL50
Risultato: 500 mg/kg

Sulla base dei dati disponibili i criteri di classificazione non sono soddisfatti.

Corrosione/irritazione cutanea

Prodotto/ingrediente perossido di idrogeno soluzione 35%; acqua ossigenata 35%
Risultato: Effetti nocivi osservati (Irritante)

Prodotto/ingrediente 1,2-benzisotiazol-3(2H)-one; 1,2-benzisotiazolin-3-one
Metodo di prova: OCSE 404
Risultato: Effetti nocivi osservati (Irritante)

Sulla base dei dati disponibili i criteri di classificazione non sono soddisfatti.

Lesioni oculari gravi/irritazioni oculari gravi

Prodotto/ingrediente perossido di idrogeno soluzione 35%; acqua ossigenata 35%
Risultato: Effetti nocivi osservati (Provoca gravi lesioni oculari)

Prodotto/ingrediente 1,2-benzisotiazol-3(2H)-one; 1,2-benzisotiazolin-3-one
Metodo di prova: OCSE 405
Risultato: Effetti nocivi osservati (Provoca gravi lesioni oculari)

Sulla base dei dati disponibili i criteri di classificazione non sono soddisfatti.

Sensibilizzazione respiratoria

Prodotto/ingrediente perossido di idrogeno soluzione 35%; acqua ossigenata 35%
Risultato: Nessun effetto nocivo osservato (non sensibilizzante)

Sulla base dei dati disponibili i criteri di classificazione non sono soddisfatti.

Sensibilizzazione cutanea

Prodotto/ingrediente 1,2-benzisotiazol-3(2H)-one; 1,2-benzisotiazolin-3-one
Metodo di prova: OCSE 429
Specie: Topo
Risultato: Effetti nocivi osservati (sensibilizzante)

Prodotto/ingrediente 1,2-benzisotiazol-3(2H)-one; 1,2-benzisotiazolin-3-one
Metodo di prova: OCSE 406
Specie: Porcellino d'india
Risultato: Effetti nocivi osservati (sensibilizzante)

Sulla base dei dati disponibili i criteri di classificazione non sono soddisfatti.

Mutagenicità delle cellule germinali

Sulla base dei dati disponibili i criteri di classificazione non sono soddisfatti.

Cancerogenicità

Prodotto/ingrediente perossido di idrogeno soluzione 35%; acqua ossigenata 35%
Conclusione: Nessun effetto nocivo osservato

Sulla base dei dati disponibili i criteri di classificazione non sono soddisfatti.

Tossicità per la riproduzione

Prodotto/ingrediente perossido di idrogeno soluzione 35%; acqua ossigenata 35%
Conclusione: Nessun effetto nocivo osservato

Sulla base dei dati disponibili i criteri di classificazione non sono soddisfatti.

Tossicità specifica per organi bersaglio (STOT) — esposizione singola

Sulla base dei dati disponibili i criteri di classificazione non sono soddisfatti.

Tossicità specifica per organi bersaglio (STOT) — esposizione ripetuta

Sulla base dei dati disponibili i criteri di classificazione non sono soddisfatti.

Pericolo in caso di aspirazione

Prodotto/ingrediente perossido di idrogeno soluzione 35%; acqua ossigenata 35%

Sulla base dei dati disponibili i criteri di classificazione non sono soddisfatti.

11.2. Informazioni su altri pericoli

Effetti cronici

Non noto.

Proprietà di interferenza con il sistema endocrino

In base ai dati disponibili, il prodotto non contiene sostanze elencate nelle principali liste europee di potenziali o sospetti interferenti endocrini con effetti sulla salute umana oggetto di valutazione.

Altre informazioni

perossido di idrogeno soluzione 35%; acqua ossigenata 35%: la sostanza è stata classificata nel gruppo 3 da IARC.

SEZIONE 12: INFORMAZIONI ECOLOGICHE

12.1. Tossicità

Prodotto/ingrediente	perossido di idrogeno soluzione 35%; acqua ossigenata 35%
Specie:	Pesce, Pimephales promelas
Durata:	96 ore
Test:	LC50
Risultato:	16,4 mg/L

Prodotto/ingrediente	perossido di idrogeno soluzione 35%; acqua ossigenata 35%
Specie:	Pesce, Leuciscus idus
Durata:	72 ore
Test:	LC50
Risultato:	35 mg/L

Prodotto/ingrediente	perossido di idrogeno soluzione 35%; acqua ossigenata 35%
Specie:	Pesce, Oncorhynchus mykiss
Durata:	7 giorni
Test:	LC50
Risultato:	38,5 mg/L

Prodotto/ingrediente	perossido di idrogeno soluzione 35%; acqua ossigenata 35%
Specie:	Daphnia pulex
Durata:	48 ore
Test:	EC50
Risultato:	2,4 mg/L

Prodotto/ingrediente	perossido di idrogeno soluzione 35%; acqua ossigenata 35%
Specie:	Daphnia magna
Durata:	24 ore
Test:	EC50
Risultato:	7,7 mg/L

Prodotto/ingrediente	perossido di idrogeno soluzione 35%; acqua ossigenata 35%
Specie:	Skeletonema costatum
Durata:	72 ore
Test:	EC50
Risultato:	1,38 mg/L

Prodotto/ingrediente	perossido di idrogeno soluzione 35%; acqua ossigenata 35%
Metodo di prova:	OCSE 209
Specie:	Batteri
Comparto ambientale:	Impianto per i fanghi attivi
Durata:	30 minutes
Test:	EC50
Risultato:	466 mg/L

Prodotto/ingrediente	perossido di idrogeno soluzione 35%; acqua ossigenata 35%
Metodo di prova:	OCSE 209
Specie:	Batteri
Comparto ambientale:	Impianto per i fanghi attivi
Durata:	3 ore
Test:	EC50
Risultato:	> 1.000 mg/L

Prodotto/ingrediente	1,2-benzisotiazol-3(2H)-one; 1,2-benzisotiazolin-3-one
Specie:	Pesce
Durata:	96 ore
Test:	LC50
Risultato:	>0.1-1 mg/L

Prodotto/ingrediente	1,2-benzisotiazol-3(2H)-one; 1,2-benzisotiazolin-3-one
Specie:	Crostacei
Durata:	48 ore
Test:	EC50
Risultato:	>0.1-1 mg/L

Prodotto/ingrediente	1,2-benzisotiazol-3(2H)-one; 1,2-benzisotiazolin-3-one
Specie:	Alghe
Durata:	72 ore
Test:	EC50
Risultato:	>0.1-1 mg/L

Sulla base dei dati disponibili i criteri di classificazione non sono soddisfatti.

12.2. Persistenza e degradabilità

Prodotto/ingrediente	Alcohol, C13, bran., EO, sulfate Na~
Risultato:	> 60 %
Conclusione:	Pronta biodegradabilità
Test:	OCSE 301 B

Prodotto/ingrediente	perossido di idrogeno soluzione 35%; acqua ossigenata 35%
Conclusione:	Pronta biodegradabilità

Prodotto/ingrediente	1,2-benzisotiazol-3(2H)-one; 1,2-benzisotiazolin-3-one
Risultato:	90%
Conclusione:	Pronta biodegradabilità
Test:	OECD 302

Il(i) tensioattivo(i) contenuto(i) in questo formulato è (sono) conforme(i) ai criteri di biodegradabilità stabiliti dal regolamento (CE) n. 648/2004 relativo ai detergenti. Tutti i dati di supporto sono tenuti a disposizione delle autorità competenti degli Stati Membri e saranno forniti, su loro esplicita richiesta o su richiesta di un produttore del formulato, alle suddette autorità.

12.3. Potenziale di bioaccumulo

Prodotto/ingrediente	perossido di idrogeno soluzione 35%; acqua ossigenata 35%
LogKow:	-1,57
Conclusione:	-

Prodotto/ingrediente	1,2-benzisotiazol-3(2H)-one; 1,2-benzisotiazolin-3-one
BCF:	2

LogKow: 1.45
Conclusione: Il potenziale di bioaccumulo è basso

12.4. Mobilità nel suolo

Dati non disponibili.

12.5. Risultati della valutazione PBT e vPvB

Questa miscela/prodotto non contiene sostanze che soddisfano i criteri di classificazione PBT e/o vPvB.

12.6. Proprietà di interferenza con il sistema endocrino

Questa sostanza/miscela non contiene componenti considerati aventi proprietà di interferenza endocrina in relazione all'ambiente.

12.7. Altri effetti avversi

Non noto.

SEZIONE 13: CONSIDERAZIONI SULLO SMALTIMENTO

13.1. Metodi di trattamento dei rifiuti

Il materiale non utilizzato può essere smaltito in accordo alle norme vigenti relativamente ai rifiuti speciali assimilabili agli urbani. (*)

HP 4 - Irritante (Irritazione cutanea e lesioni oculari)

Regolamento (UE) n. 1357/2014 della Commissione del 18 dicembre 2014 relativo ai rifiuti.

Codice CER:

20 01 30 Detergenti diversi da quelli di cui alla voce 20 01 29

Imballaggio contaminato

Gli imballaggi contenenti piccoli resti del prodotto devono essere smaltiti allo stesso modo del prodotto.

SEZIONE 14: INFORMAZIONI SUL TRASPORTO

	14.1 ONU	14.2 Designazione ufficiale ONU di trasporto	14.3 Classi di pericolo connesso al trasporto	14.4 PG*	14.5. Env**	Altre informazioni:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Gruppo d'imballaggio

** Pericoli per l'ambiente

Altro

Prodotto non pericoloso in base ai criteri della normativa sul trasporto via terra, IATA e via mare.

14.6. Precauzioni speciali per gli utilizzatori

Non applicabile.

14.7. Trasporto marittimo alla rinfusa conformemente agli atti dell'IMO

Dati non disponibili.

SEZIONE 15: INFORMAZIONI SULLA REGOLAMENTAZIONE

15.1. Disposizioni legislative e regolamentari su salute, sicurezza e ambiente specifiche per la sostanza o la miscela

Limitazioni d'uso:

Uso ristretto agli utilizzatori professionali.

Esigenza di istruzioni particolari:

Nessun requisito particolare.

SEVESO - Categorie / Sostanze pericolose:

Non applicabile.

Regolamento relativo di precursori di esplosivi:

perossido di idrogeno soluzione 35%; acqua ossigenata 35% (Allegato I)

Etichettatura dei contenuti conforme al Regolamento sui detergenti 648/2004:

>5% - <15%

· Tensioattivi Non ionici

< 5%

· Tensioattivi anionici

· Sbiancanti a base di ossigeno

· Profumi

· Conservanti (BENZISOTHIAZOLINONE)

Altro:

Il(i) tensioattivo(i) contenuto(i) in questo formulato è (sono) conforme(i) ai criteri di biodegradabilità stabiliti dal regolamento (CE) n. 648/2004 relativo ai detergenti. Tutti i dati di supporto sono tenuti a disposizione delle autorità competenti degli Stati Membri e saranno forniti, su loro esplicita richiesta o su richiesta di un produttore del formulato, alle suddette autorità.

Fonti:

Regolamento (CE) n. 648/2004 del Parlamento europeo e del Consiglio, del 31 marzo 2004, relativo ai detergenti.

Regolamento (UE) n. 1357/2014 della Commissione del 18 dicembre 2014 relativo ai rifiuti.

Regolamento (UE) 2019/1148 relativo di precursori di esplosivi.

Regolamento (CE) n. 1272/2008 del Parlamento europeo e del Consiglio del 16 dicembre 2008 relativo alla classificazione, all'etichettatura e all'imballaggio delle sostanze e delle miscele (CLP).

Regolamento (CE) n. 1907/2006 del Parlamento europeo e del Consiglio, del 18 dicembre 2006, concernente la registrazione, la valutazione, l'autorizzazione e la restrizione delle sostanze chimiche (REACH).

15.2. Valutazione della sicurezza chimica

No

SEZIONE 16: ALTRE INFORMAZIONI

Il testo completo delle frasi H è riportato nella sezione 3

H271, Può provocare un incendio o un'esplosione; molto comburente.

H302, Nocivo se ingerito.

H314, Provoca gravi ustioni cutanee e gravi lesioni oculari.

H315, Provoca irritazione cutanea.

H318, Provoca gravi lesioni oculari.

H319, Provoca grave irritazione oculare.

H332, Nocivo se inalato.

H335, Può irritare le vie respiratorie.

H336, Può provocare sonnolenza o vertigini.

H412, Nocivo per gli organismi acquatici con effetti di lunga durata.

Abbreviazioni e acronimi

ADN = Norme Europee relative al Trasporto Internazionale di Merci Pericolose per Vie Navigabili Interne

ADR = Accordo Europeo relativo al Trasporto Internazionale di Merci Pericolose su Strada

ATE = Stima della Tossicità Acuta

BCF = Fattore di Bioconcentrazione

CAS = Chemical Abstracts Service

CE = Conformité Européenne

CER = Catalogo Europeo dei Rifiuti

CLP = Classificazione, Etichettatura e Imballaggio [Regolamento (CE) N. 1272/2008]

CSA = Valutazione sulla Sicurezza Chimica

CSR = Relazione sulla Sicurezza Chimica

DMEL = Livello derivato con effetti minimi

DNEL = Livello derivato senza effetto

EINECS = Inventario Europeo delle Sostanze chimiche Esistenti a carattere Commerciale

ES = Scenario di Esposizione Indicazione
EUH = disposizioni di rischio specifiche al regolamento CLP
EuPCS = Sistema europeo di categorizzazione dei prodotti
GHS = Sistema Mondiale Armonizzato di Classificazione ed Etichettatura delle Sostanze Chimiche
GWP = Potenziale di riscaldamento globale
IATA = Associazione Internazionale per il Trasporto Aereo
IBC = Contenitori Bulk
IMDG = Trasporto Marittimo Internazionale di Merci Pericolose
Log Kow = log del coefficiente di ripartizione ottanolo/acqua
MARPOL = Convenzione Internazionale del 1973 per la Prevenzione dell'Inquinamento causato dalle Navi e il relativo protocollo del 1978
OCSE = Organizzazione per la Cooperazione e lo Sviluppo Economico
ONU = Organizzazione delle Nazioni Unite
PBT = Persistente, Bioaccumulante, Tossico
PNEC = Concentrazione Prevedibile Priva di Effetti
RID = I Regolamenti concernenti il Trasporto Internazionale di Merci Pericolose per Ferrovia
RRN = Numero REACH di Registrazione
rc = gli altri rifiuti soggetti a controllo
rcm = gli altri rifiuti soggetti a controllo con obbligo di modulo di accompagnamento
rs = rifiuti speciali
SCL = Limite di concentrazione specifico
SVHC = Sostanze Molto Pericolose
STOT = Tossicità Specifica per Organi Bersaglio - Esposizione Ripetuta
STOT = Tossicità Specifica per Organi Bersaglio - Esposizione Singola
TWA = Media ponderata nel tempo
UVCB = Indica sostanze di composizione sconosciuta o variabile, prodotti di una reazione complessa o materiali biologici.
VOC = Composti Organici Volatili
vPvB = Molto Persistente e Molto Bioaccumulabile

Altro

Non applicabile.

Convalidato da

Quality & Compliance

Altro

La presenza di un triangolo indica una modifica rispetto alla versione precedente (primo numero nella versione SDS, vedere sezione 1).

Le indicazioni riportate nella presente scheda di dati di sicurezza si applicano esclusivamente al prodotto indicato nella sezione 1 e non si applicano necessariamente in caso di utilizzo con altri prodotti.

Si consiglia di consegnare la presente scheda di dati di sicurezza all'utente del prodotto. Le informazioni riportate non possono essere utilizzate come specifiche prodotto.

Nazione-lingua: IT-it

安全データシート

i.1 all-purpose cleaner FlexDose

項目 1: 物質/製剤および会社/企業の特定

1.1. 製品識別子

▼ 製品名:

i.1 all-purpose cleaner FlexDose

1.2. 推奨用途及び使用上の制限

物質または混合物で関連の特定使用:
洗剤および洗浄剤（溶剤系を含む）
産業用専用。

対提言使用:
不明。

1.3. 安全データシートの供給業者の詳細

会社と住所:

Hygeniq B.V.
Postbus 618
7500 AP Enschede
The Netherlands
+31 53 4282860
+31 53 5393865
www.hygeniq.com

電子メール:
info@hygeniq.com

SDS 日付:
2025/06/27

SDS バージョン:
2.0

前作成日:
2025/06/02 (1.0)

1.4. 緊急連絡用電話番号（受付時間）

緊急時には119（24時間サービス）に電話すること
公益財団法人 日本中毒情報センター：+81-72-727-2499
項目4を参照：応急措置

項目2: 危険有害性の要約

2.1. 物質または混合物の分類

GHS による分類なし

2.2. ラベル要素

危険有害性の絵文字:
該当なし。

注意喚起語:

該当なし.

危険有害性情報:

該当なし.

注意書き:

概要:

-

安全対策:

-

応急措置:

-

保管:

-

廃棄:

-

危険有害性成分:

報告に必要な物質が含まれていません

追加ラベル付け:

該当なし.

項目3: 組成及び成分情報

3.1. 成分

該当なし. この製品は混合物です。

3.2. 混合物

製品 / 成分	識別子	% w/w	分類	注記
Alcohol, C13, bran., EO, sulfate Na~	CAS番号 : 150413-26-6 EC番号 : 688-316-0	1-3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 3, H412	
hydrogen peroxide	CAS番号 : 7722-84-1 EC番号 : 231-765-0	1-3%	Ox. Liq. 1, H271 Acute Tox. 4, H302 Skin Corr. 1A, H314 (SCL: 70.00 %) Skin Corr. 1B, H314 (SCL: 50.00 %) Skin Irrit. 2, H315 (SCL: 35.00 %) Eye Dam. 1, H318 (SCL: 8.00 %) Eye Irrit. 2, H319 (SCL: 5.00 %) Acute Tox. 4, H332 STOT SE 3, H336 (SCL: 35.00 %)	
citroenzuurmonohydraat	CAS番号 : 5949-29-1 EC番号 : 611-842-9	<0.1%	Eye Irrit. 2, H319	

セクション16のHフレーズの全文を参照のこと。職業ばく露限界は利用可能な場合は、セクション8に記載されている。

その他の情報

-

項目4: 応急措置

4.1. 応急処置の解説

一般情報:

事故の場合：医師または緊急部門に連絡すること - ラベルまたはこの安全データシートを持参する。

被害者の状態に疑問がある場合、または症状が継続する場合は、医師に連絡すること。絶対に意識不明の人に水やその他の飲み物を与えないこと。

吸入した場合:

不快感がある場合：被害者を新鮮な空気を吸える場所に移動する。

皮膚に付着した場合:

刺激が発生した場合：水ですすぐ。刺激が続く場合は、医師と相談すること。

眼に入った場合:

ぬるま湯で優しく洗い流してください。簡単にコンタクトレンズを外せる場合は外してください。すすぎを続けます。目の炎症や不快感が続く場合: 医師の診察を受けてください。

飲み込んだ場合:

水で口を十分に洗い、多量の水を飲むこと。不快感が続く場合：この安全データシートを持参して、医師と相談すること。

やけど:

該当なし。

4.2. 重大な症状と作用の大部分には、急性および遅延性の両方がある 不明。

4.3. 何らかの即時の手当および特別な治療が必要とされることの表示 対症療法を行う。

医師に対する特別な注意事項

この安全データシートを持参のこと。

項目5: 火災時の措置

5.1. 消火剤

該当なし。

5.2. 物質または混合物から生じる特別な危険有害性

火は濃い煙をもたらす。燃焼製品にさらされると、健康に害を及ぼす可能性がある。火にさらされた密閉容器は、水で冷却すべきである。絶対に、消火水が下水や近くの地表水に入らないようにする。

例えば火災など製品が高温にさらされた場合、危険な分解化合物が生成される。これらは次がある：

酸化炭素 (CO / CO₂)

5.3. 消防士に対する助言

特定の要件なし。

項目6: 漏出時の措置

6.1. 人体に対する注意事項、保護具及び緊急時措置

汚染区域は滑りやすい場合がある。

6.2. 環境に対する注意事項

湖、小川、下水道などへの排出を避けること。

権限のない人を流出から遠ざける

6.3. 封じ込め及び浄化の方法及び機材

不燃性、吸収性物質で流出物を入れて収集します。砂、土、バーミキュライトまたは珪藻土を廃棄し、地元の規制に従って廃棄できるように容器に入れます。

洗浄は可能な限り、通常の洗浄剤で行う。溶剤の使用は避けること。

6.4. 他のセクションを参照

廃棄物取り扱いの追加情報に関してはセクション13を参照。

適切な個人保護装置に関する情報についてはセクション8を参照。

項目7: 取扱い及び保管上の注意

7.1. 安全に取扱うための注意事項

作業場での喫煙、飲酒、食べ物の摂取は禁止する。

作業者保護に関する情報については、「ばく露制御/個人保護」のセクションを参照のこと。

7.2. あらゆる配合禁忌を含む、安全な保管条件

推奨保管材料:

他の容器に移し替えないこと。

保管条件:

乾燥、涼しい、十分な換気

混触危険物質:

強酸、強塩基、強酸化剤、及び強い還元剤。

7.3. 特定の最終用途

この製品はセクション1.2で引用した応用のみに使用しなければならない。

項目8: ばく露防止及び保護措置

8.1. 許容濃度

職業ばく露限界のある物質の全国リストに記載されている物質はない。

8.2. 暴露の管理

不必要な被ばくを防ぐため、全般的な管理を行います。

一般的な推奨事項:

作業場での喫煙、飲酒、食べ物の摂取は禁止する。

ばく露シナリオ:

"この製品にはばく露シナリオは実装されていない。

暴露限界値:

この製品の物質に対する職業ばく露限界は定義されていない。

適切な技術的管理:

本製品の使用中には、標準的予防措置が適用されます。蒸気の吸入を避けます。

衛生対策:

使用後に手を洗うこと。

環境暴露管理:

特定の要件なし。

個人の保護措置

一般的:

CEマークが付いた保護具のみを使用すること。

呼吸用保護具:

推奨フィルタの種類	クラス	クラス	標準	
目的のとおりに使用する場合は、特別な条件はない				

身体保護具:

推奨	タイプ / カテゴリ	標準	
目的のとおりに使用する場合は、特別な条件はない	-	-	

手の保護具:

工事状況	材料	手袋の厚さ (mm)	破過時間 (分)	標準	
	目的のとおりを使用する場合は、特別な条件はない	-	-	-	
長期被爆または高濃度の場合	綿/ニトリル ゴム、	-	> 120	EN374-2, EN16523-1, EN388	

保護眼鏡/保護面:

工事状況	推奨	標準	
	目的のとおりに使用する場合は、特別な条件はない	-	
長期被爆または高濃度の場合	サイドシールド付き安全メガネ	EN166	

項目9: 物理的及び化学的性質

9.1. 基本的な物理学および化学的特性に関する情報

物理的状:

液体

色:

無色

臭い:

香水の

臭気しきい値 (ppm) :

利用可能なデータなし.

pH:

ca. 4.8

比重 (g/cm³):

1.02 (20 °C)

粘度:

利用可能なデータなし.

粒子特性:

液体には適用されません。

フェーズの変更

融点・凝固点 (°C):

利用可能なデータなし.

軟化点/範囲 (°C):

液体には適用されません。

沸点/沸騰範囲 (°C):

利用可能なデータなし.

蒸気圧:

利用可能なデータなし.

蒸気密度:

利用可能なデータなし.

分解温度 (°C):

利用可能なデータなし.

蒸発速度:

火災および爆発の危険性に関するデータ

引火点 (°C):

利用可能なデータなし.

引火性 (°C):

利用可能なデータなし.

自然発火温度 (°C):

利用可能なデータなし.

爆発 (燃焼) 限界の上限および下限 (% v/v):

利用可能なデータなし.

溶解度

水中の溶解度:

完全に溶ける

分配係数 (LogKow):

利用可能なデータなし.

脂肪の溶解度 (g/L) :

利用可能なデータなし.

9.2. その他の情報

揮発性有機化合物(VOC):

その他の物理的および化学的パラメータ:

利用可能なデータなし.

酸化特性:

利用可能なデータなし.

項目10: 安定性及び反応性

10.1. 反応性

利用可能なデータなし.

10.2. 化学的安定性

製品は「取り扱いと保管」のセクションに記載されている条件下で安定している。

10.3. 危険有害反応可能性

不明。

10.4. 避けるべき条件

不明。

10.5. 混触危険物質

強酸、強塩基、強酸化剤、及び強い還元剤。

10.6. 危険有害な分解生成物

通常の保管および使用条件下では、有害な分解生成物は発生しません。

項目11: 有害性情報

11.1. 毒物学的作用に関する情報

急性毒性

製品 / 成分

hydrogen peroxide

種類:

ラット

暴露経路:

経口

テスト:

LD50

結果: 1.193 - 1.270 mg/L

製品 / 成分 hydrogen peroxide
種類: ウサギ
暴露経路: 皮膚
テスト: LD50
結果: >2.000 (35% oplossing) mg/kg

製品 / 成分 1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
種類: ラット
暴露経路: 経口
テスト: LD50
結果: 500 mg/kg

使用可能なデータを基にすると、分類基準が満たされていません。

刺激性/腐食性

製品 / 成分 hydrogen peroxide
結果: 副作用が認められる (刺激する)

製品 / 成分 1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
試験方法: OECD 404
結果: 副作用が認められる (刺激する)

使用可能なデータを基にすると、分類基準が満たされていません。

重篤な眼の損傷/刺激

製品 / 成分 hydrogen peroxide
結果: 副作用が認められる (重篤な眼の損傷)

製品 / 成分 1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
試験方法: OECD 405
結果: 副作用が認められる (重篤な眼の損傷)

使用可能なデータを基にすると、分類基準が満たされていません。

呼吸器ま感作

製品 / 成分 hydrogen peroxide
結果: 副作用は認められない (感作しない)

使用可能なデータを基にすると、分類基準が満たされていません。

皮膚感作

製品 / 成分 1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
試験方法: OECD 429
種類: ネズミ
結果: 副作用が認められる (敏感化)

製品 / 成分 1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
試験方法: OECD 406
種類: テンジクネズミ
結果: 副作用が認められる (敏感化)

使用可能なデータを基にすると、分類基準が満たされていません。

変異原性

使用可能なデータを基にすると、分類基準が満たされていません。

発がん性

製品 / 成分 hydrogen peroxide
結論: 副作用は認められない

使用可能なデータを基にすると、分類基準が満たされていません。
hydrogen peroxide : 物質はIARCでグループ3に分類されている。

催奇形性 / 発育への影響

製品 / 成分 hydrogen peroxide
結論: 副作用は認められない

使用可能なデータを基にすると、分類基準が満たされていません。

特定標的臓器 / 全身毒性（単回暴露）

使用可能なデータを基にすると、分類基準が満たされていません。

特定標的臓器 / 全身毒性（反復暴露）

使用可能なデータを基にすると、分類基準が満たされていません。

呼吸に対する危険有害性

製品 / 成分 hydrogen peroxide
使用可能なデータを基にすると、分類基準が満たされていません。

健康への慢性効果の可能性

不明。

項目12: 環境影響情報

12.1. 毒性

製品 / 成分 hydrogen peroxide
種類: 魚類, Pimephales promelas
存続期間: 96 時間
テスト: LC50
結果: 16,4 mg/L

製品 / 成分 hydrogen peroxide
種類: 魚類, Leuciscus idus
存続期間: 72 時間
テスト: LC50
結果: 35 mg/L

製品 / 成分 hydrogen peroxide
種類: 魚類, Oncorhynchus mykiss
存続期間: 7 日
テスト: LC50
結果: 38,5 mg/L

製品 / 成分 hydrogen peroxide
種類: Daphnia pulex
存続期間: 48 時間
テスト: EC50
結果: 2,4 mg/L

製品 / 成分 hydrogen peroxide
種類: Daphnia magna
存続期間: 24 時間
テスト: EC50
結果: 7,7 mg/L

製品 / 成分 hydrogen peroxide
種類: Skeletonema costatum
存続期間: 72 時間
テスト: EC50
結果: 1,38 mg/L

製品 / 成分 hydrogen peroxide
試験方法: OECD 209

JIS Z 7253:2019 による

種類: バクテリア
環境: 活性スラッジプラント
存続期間: 30 minutes
テスト: EC50
結果: 466 mg/L

製品 / 成分: hydrogen peroxide
試験方法: OECD 209
種類: バクテリア
環境: 活性スラッジプラント
存続期間: 3 時間
テスト: EC50
結果: > 1.000 mg/L

製品 / 成分: 1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
種類: 魚類
存続期間: 96 時間
テスト: LC50
結果: >0.1-1 mg/L

製品 / 成分: 1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
種類: 甲殻綱
存続期間: 48 時間
テスト: EC50
結果: >0.1-1 mg/L

製品 / 成分: 1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
種類: 藻類
存続期間: 72 時間
テスト: EC50
結果: >0.1-1 mg/L

使用可能なデータを基にすると、分類基準が満たされていません。

12.2. 残留性・分解性

製品 / 成分: Alcohol, C13, bran., EO, sulfate Na~
結果: > 60 %
結論: 生分解しやすい
テスト: OECD 301 B

製品 / 成分: hydrogen peroxide
結論: 生分解しやすい

製品 / 成分: 1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
結果: 90%
結論: 生分解しやすい
テスト: OECD 302

12.3. 生体蓄積性

製品 / 成分: hydrogen peroxide
LogKow: -1,57
結論: -

製品 / 成分: 1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
BCF: 2
LogKow: 1.45
結論: 生体濃縮する可能性は低い

12.4. 土壌中の移動性

利用可能なデータなし.

12.5. 12.5.PBTおよびvPvB評価の結果

この混合物/製品には、PBTまたはvPvB、もしくはその両者として分類される基準を満たすと考慮される物質は含まれていない。

12.6. その他の悪影響

不明。

項目13: 廃棄上の注意

廃棄物処理方法

内容物/容器をに廃棄すること。

特定のラベル

汚染された包装

製品の残渣を含む包装は製品と同様に処分する必要がある。

項目14: 輸送上の注意

	14.1 国連番号	14.2 輸送固有名	14.3 範疇	14.4 PG*	14.5 Env**	その他の情報:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* 容器等級

** 環境有害性

追加情報

ADR、IATAおよびIMDGによると危険物ではない。

14.6. 使用者のための特別な予防措置

該当なし。

14.7. MARPOL条約の附属書IIおよびIBCコードによるばら積み運搬

利用可能なデータなし。

項目15: 適用法令

15.1. 物質または混合物ごとに個別に関連する、安全、健康および環境に関する規則/法律

応用の制限:

産業用専用。

特定教育に対する要求:

特定の要件なし。

その他の情報:

該当なし。

既存および新規化学物質 (ENCs):

どの化学成分も表示されていない。

毒物及び劇物取締法:

hydrogen peroxide

化管法 (PRTR):

どの化学成分も表示されていない。

有機溶剤中毒予防規則:

どの化学成分も表示されていない。

ソース:

GHS に基づく化学品の分類方法. JIS Z 7252 (2019)

GHS に基づく化学品の危険有害性情報の伝達方法ーラベル, 作業場内の表示及び安全データシート (SDS). JIS Z 7253 (2019)

項目16: その他の情報

セクション3に記載のHフレーズ全文

H271, 火災または爆発のおそれ; 強酸化性物質。

H302, 飲み込むと有害。

H314, 重篤な皮膚の薬傷・眼の損傷

H315, 皮膚刺激。

H318, 重篤な眼の損傷。

H319, 強い眼刺激。

H332, 吸入すると有害。

H336, 眠気やめまいのおそれ。

H412, 長期的影響により水生生物に有害。

セクション1に記載の識別された使用の全文
不明。

略語と頭字語

ACGIH = アメリカ産業衛生専門家会議

ADN = ヨーロッパ内陸水路危険物運送規定

ADR = ヨーロッパ道路危険物運送条約

ATE = 急性毒性見積

BCF = 生物濃縮係数

CAS = ケミカル・アブストラクト・サービス

EINECS = 欧州既存商業化学物質リスト

GHS = 化学品の分類および表示に関する世界調和システム

IARC = 国際がん研究機関

IATA = 国際航空運送協会

IMDG = 国際海上危険物規程

LogPow = オクタノール／水分配係数の対数

MARPOL = 1978年の議定書によって修正された1973年船舶による汚染防止のための国際条約

NIOSH = 国立労働安全衛生研究所

OECD = 経済協力開発機構

OSHA = 労働安全衛生局

RID = 鉄道による危険物の国際輸送に関する規制

RRN = REACH登録番号

SCL = には特定の濃度限界値 (SCL) がある。

STEL = 短期ばく露限界

STOT-RE = 特定標的臓器毒性 (反復ばく露)

STOT-SE = 特定標的臓器毒性 (単回ばく露)

TWA = 時間加重平均

UN = 国際連合

VOC = 揮発性有機化合物

追加情報

職業ばく露限界のある物質の全国リストに記載されている物質はない。

本製品には安全データシートは義務付けられていません。この安全データシートは関連情報を通知するため任意で作成されたものです。

安全データシートは次により確認される

Quality & Compliance

その他

変更 (最後の本質的な変更 (SDS バージョンの最初の文字、セクション1を参照) に対して) は、青い三角形で表示されて

いる。

この安全データシート情報はこの特定製品（セクション1に記載）にのみ適用され、他の化学薬品/製品で使用する場合は必ずしも正しいものではない。

この安全データシートを、製品の実際の利用者に渡すことを推奨する。この安全データシート情報は製品仕様としては使用できない。

国-言語: JP-ja

안전 데이터 시트

i.1 all-purpose cleaner FlexDose

1: 물질/제품과 회사 정보

1.1. 제품 식별명

▼ 제품명:
i.1 all-purpose cleaner FlexDose

1.2. 제품의 권고 용도와 사용상의 제한

▼ 물질 또는 혼합물의 적절한 식별 용도:
세제 및 세정제(솔벤트 기반 세제 포함)
전문 사용자 전용.

권고되는 사용 대상:
알려진 바 없습니다.

1.3. 물질안전보건자료의 공급자에 대한 자세한 사항

회사 세부정보:
Hygeniq B.V.
Postbus 618
7500 AP Enschede
The Netherlands
+31 53 4282860
+31 53 5393865
www.hygeniq.com

이메일:
info@hygeniq.com

SDS 날짜:
2025. 6. 27.

SDS 버전:
2.0

이전 호 발행일:
2025. 6. 2. (1.0)

1.4. 긴급전화번호

응급의료센터: 1339(24시간 서비스)
섹션 4: 응급조치

2: 유해성·위험성

2.1. 물질 또는 혼합물의 분류

화학 물질 및 물질 안전 보건 자료의 분류 라벨링 표준(MoEL No. 2016-19)에 따라 분류되지 않음.

2.2. 표지 요소

유해 그림문자:
해당사항 없음.

신호어:
해당사항 없음.

유해·위험 문구:

예방조치 문구:

일반:

-

예방:

-

대응:

-

저장:

-

폐기:

-

내용량, 성분 및 함유량:

신고가 필요한 물질을 포함하지 않음

추가 라벨링:

해당사항 없음.

3: 구성성분의 명칭 및 함유량

3.1. 물질

해당사항 없음. 이 제품은 혼합물입니다.

3.2. 혼합물

제품/성분	식별자	% w/w	분류	참고
물	CAS번호: 7732-18-5 EC: 231-791-2	80-95%		
Glycerides, coco mono- and di-, ethoxylated	CAS번호: 68201-46-7 EC: 614-376-4	3-5%		
alcohol ethoxylate	CAS번호: EC:	3-5%		
2-(2-ethoxyethoxy)ethanol	CAS번호: 111-90-0 EC: 203-919-7	1-3%		
Alcohol, C13, bran., EO, sulfate Na~	CAS번호: 150413-26-6 EC: 688-316-0	1-3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 3, H412	
hydrogen peroxide	CAS번호: 7722-84-1 EC: 231-765-0	1-3%	Ox. Liq. 1, H271 Acute Tox. 4, H302 Skin Corr. 1, H314 Skin Irrit. 2, H315 (SCL: 35.00 %) Eye Dam. 1, H318 (SCL: 8.00 %) Eye Irrit. 2, H319 (SCL: 5.00 %) Acute Tox. 4, H332 STOT SE 3, H336 (SCL: 35.00 %)	
D-Glucopyranose, oligomers, decyloctyl glycoside	CAS번호: 68515-73-1 EC:	<1%	Eye Dam. 1, H318 (SCL: 10.00 %) Eye Irrit. 2, H319 (SCL: 10.00 %)	
Fatty acids, C16-18 and C18-	CAS번호: 67762-38-3	<1%		

화학물질의 분류, 표시 및 물질안전보건자료에 관한 기준, 제10조 따름

unsatd., Me esters	EC: 267-015-4			
Xanthan gum	CAS번호: 11138-66-2 EC: 234-394-2	<0.25%		

섹션 16에 언급된 H-문구 전문을 참조하십시오. 작업장 노출 한도 자료가 있을 경우 섹션 8에 나옵니다.

그 밖의 참고사항

-

4: 응급조치 요령

4.1. 응급조치에 관한 기술

일반:

사고의 경우: 의사 또는 사상자 부서에 문의하고 (119) 라벨이나 이 물질 안전 보건자료를 지참하십시오.

부상 당한 사람의 상태가 의심되거나 증상이 지속되면 의사에게 문의하십시오. 의식이 없는 사람에게 물이나 다른 음료를 주지 마십시오.

흡입했을 때:

불편한 경우: 사람을 신선한 공기가 있는 곳으로 데려가십시오.

피부에 접촉했을 때:

자극 시: 물로 행굽니다. 자극이 계속되면 의학적 도움을 받으십시오.

눈에 들어갔을 때:

미지근한 물로 부드럽게 행구십시오. 가능하다면 콘택트렌즈를 제거하십시오. 계속해서 행구십시오. 눈에 지속적인 자극이나 불편함이 있는 경우: 의사의 진료를 받으십시오.

먹었을 때:

입을 행구고 씻고 다량의 물을 섭취하십시오. 계속 불편한 경우: 의료 지원을 요청하고 이 물질 안전 보건자료를 가져 가십시오.

화상:

해당사항 없음.

4.2. 가장 중요한 급성 및 지연 증상과 영향

알려진 바 없습니다.

4.3. 즉시 필요한 의학적 주의사항 및 특별한 처치 지침

증상에 따라 치료하십시오.

기타 의사의 주의사항

이 물질 안전 보건자료를 지참하십시오.

5: 폭발·화재시 대처방법

5.1. 소화제

해당사항 없음.

5.2. 물질 또는 혼합물로 부터 발생하는 특별한 위험

화재 시 짙은 연기가 발생합니다. 연소 제품에 노출되면 건강에 해를 줄 수 있습니다. 화재에 노출된 밀폐 용기는 물로 식혀야 합니다. 소화수가 하수 시스템 및 인근 지표수에 유입되지 않도록 하십시오.

제품이 예를 들어 화재와 같은 고온에 노출되면 위험한 분해 화합물이 생성됩니다. 예:

탄소 산화물 (CO / CO2)

5.3. 화재 진압에 대한 조언

특정한 요구 사항 없음.

6: 누출 사고 시 대처방법

- 6.1. 인체를 보호하기 위해 필요한 조치 사항 및 보호구**
특히 밀폐된 공간에서는 환기가 적절히 되도록 하십시오.
오염된 부분은 미끄러울 수 있습니다.
- 6.2. 환경을 보호하기 위해 필요한 조치사항**
호수, 개울, 하수구 등으로 배출하지 마십시오.
허가받지 않은 사람이 누출물로부터 멀리 떨어지게 하십시오.
- 6.3. 정화 또는 제거 방법**
유출물을 모래나 흙, 질석, 구조토와 같은 불연성, 흡수성 물질에 모아 담아 현지 규정에 따라 폐기 가능한 용기에 담으십시오.
가능한 일반적인 세척제로 세척합니다. 용제 사용을 피하십시오.
- 6.4. 기타 항목에대한 참조**
폐기물 처리와 관련하여 13 '폐기시 주의사항' 섹션을 참조하십시오.
보호 조치는 8 '노출방지 및 개인보호구' 섹션을 참조하십시오.

7: 취급 및 저장방법

- 7.1. 안전취급요령**
작업 구역에서는 흡연, 음주 및 음식 섭취가 금지됩니다.
개인 보호에 대한 정보는 '노출방지 및 개인보호구' 섹션을 참조하십시오.
- 7.2. 안전한 저장 방법(피해야 할 조건을 포함함)**
권장되는 보관재료:
원래의 용기에만 보관하십시오.
보관 조건:
건조하고 시원하며 통풍이 잘 됨
피해야 할 물질:
강산, 강염기, 강력한산화제 및 강력한 환원제
- 7.3. 구체적인 사용 용도**
이 제품은 섹션 1.2에 인용된 애플리케이션에만 사용해야 합니다.

8: 노출방지 및 개인보호구

- 8.1. 제어 변수**
hydrogen peroxide
장시간 노출 한계(8시간) (ppm): 1

화학물질 및 물리적 인자의 노출기준
고용노동부 (한국, 8/2016).
- 8.2. 노출 관리**
주어진 작업장 노출 한도 값을 준수하는지 정기적으로 통제해야 합니다.
일반 권장 사항:
작업 구역에서는 흡연, 음주 및 음식 섭취가 금지됩니다.
노출 시나리오:
이 제품에 대해 구현된 노출 시나리오가 없습니다.
노출 허용치:
전문 사용자는 작업장 노출에 대해 법적으로 설정된 최대 농도의 적용을 받습니다. 위의 산업 위생 한계 값을 참조하십시오.
적절한 공학적 관리:

수증기 발생은 최소 수준 및 현 한도값 이하로 유지하여야 한다(위 내용 참조). 작업 공간에 정상적인 공기의 흐름이 부족한 경우, 로컬 배기 시스템 설치를 권장한다. 비상 눈세척 및 샤워를 명확하게 표시하도록 한다.
제품 사용시 표준 예방 조치에 따른다. 수증기 흡입을 피한다.

위생상 주의사항:
사용 후 손을 씻으십시오.

환경 노출 관리:
특정한 요구 사항 없음.

개인 보호 조치

일반:
KC 마크 보호 장비만 사용하십시오.

호흡기 보호:

유형	등급	색상	표준	
의도한 대로 사용하면 특별하지 않습니다				

신체 보호:

추천	타입/범주	표준	
의도한 대로 사용하면 특별하지 않습니다	-	-	

손 보호:

작업 상황	물질	장갑 두께 (mm)	돌파 시간 (분)	표준	
	의도한 대로 사용하면 특별하지 않습니다	-	-	-	
긴 시간 노출 또는 높은 농도인 경우	면/니트릴 고무	-	> 120	EN374-2, EN16523-1, EN388	

눈/안면 보호구:

작업 상황	유형	표준	
	의도한 대로 사용하면 특별하지 않습니다	-	
긴 시간 노출 또는 높은 농도인 경우	측면 실드가 있는 안전 안경	EN166	

9: 물리화학적 특성

9.1. 물리화학적 특성에 관한 정보

물리적 상태:
액체

색:
무색

냄새:
향수의

냄새 역치 (ppm):
자료 없음.

pH:
ca. 4.8

비중 (g/cm³):

1.02 (20 °C)

점도:

자료 없음.

입자 특성:

액체에 사용하지 마십시오.

위상 변화

녹는점/어는점 (°C):

자료 없음.

액체에 사용하지 마십시오.

초기 끓는점과 끓는점 범위 (°C):

자료 없음.

증기압:

자료 없음.

증기밀도:

자료 없음.

분해 온도 (°C):

자료 없음.

화재 및 폭발 위험에 관한 데이터

인화점 (°C):

자료 없음.

인화성 (°C):

자료 없음.

자연발화 온도 (°C):

자료 없음.

인화 또는 폭발 범위의 상한/하한 (% v/v):

자료 없음.

용해도

물 용해도:

완전히 용해 가능

분배계수 (LogKow):

자료 없음.

지방 용해도(g/L):

자료 없음.

9.2. 그 밖의 참고사항

기타 물리적 및 화학적 매개변수:

자료 없음.

산화성:

자료 없음.

10: 안정성 및 반응성

10.1. 반응성

자료 없음.

10.2. 화학적 안정성

이 제품은 '취급 및 저장방법' 섹션에 명시된 조건에서 안정적입니다.

10.3. 유해 반응의 가능성

알려진 바 없습니다.

10.4. 피해야 할 조건
알려진 바 없습니다.

10.5. 피해야 할 물질
강산, 강염기, 강력한산화제 및 강력한 환원제

10.6. 분해시 생성되는 유해물질
정상적인 보관 및 사용 조건에서 위험한 분해 산물이 생성되어서는 안 됩니다.

11: 독성에 관한 정보

11.1. 독성 영향에 관한 정보

급성 독성

제품/성분	hydrogen peroxide
생물종:	쥐
노출 경로:	경구
시험:	LD50
결과:	1.193 - 1.270 mg/L

제품/성분	hydrogen peroxide
생물종:	토끼
노출 경로:	피부
시험:	LD50
결과:	>2.000 (35% oplossing) mg/kg

제품/성분	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
생물종:	쥐
노출 경로:	경구
시험:	LD50
결과:	500 mg/kg

사용 가능한 데이터를 기준으로 할 때 분류 기준이 충족되지 않습니다.

자극성/부식성

제품/성분	hydrogen peroxide
결과:	관찰된 부작용 (자극적)

제품/성분	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
시험 방법:	OECD 404
결과:	관찰된 부작용 (자극적)

사용 가능한 데이터를 기준으로 할 때 분류 기준이 충족되지 않습니다.

심한 눈 손상/자극

제품/성분	hydrogen peroxide
결과:	관찰된 부작용 (눈에 심한 손상을 일으킴)

제품/성분	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
시험 방법:	OECD 405
결과:	관찰된 부작용 (눈에 심한 손상을 일으킴)

사용 가능한 데이터를 기준으로 할 때 분류 기준이 충족되지 않습니다.

호흡기 과민성

제품/성분	hydrogen peroxide
결과:	관찰된 부작용 없음 (민감하지 않음)

사용 가능한 데이터를 기준으로 할 때 분류 기준이 충족되지 않습니다.

피부 과민성

제품/성분	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
시험 방법:	OECD 429

화학물질의 분류, 표시 및 물질안전보건자료에 관한 기준, 제10조 따름

생물종: 쥐
결과: 관찰된 부작용 (민감성)

제품/성분: 1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
실험 방법: OECD 406
생물종: 기니 피그
결과: 관찰된 부작용 (민감성)

사용 가능한 데이터를 기준으로 할 때 분류 기준이 충족되지 않습니다.

생식 세포 변이원성

사용 가능한 데이터를 기준으로 할 때 분류 기준이 충족되지 않습니다.

발암성

제품/성분: hydrogen peroxide
결론: 관찰된 부작용 없음

사용 가능한 데이터를 기준으로 할 때 분류 기준이 충족되지 않습니다.
hydrogen peroxide : 물질은 IARC에 의해 그룹 3로 분류되었습니다.

생식 독성

제품/성분: hydrogen peroxide
결론: 관찰된 부작용 없음

사용 가능한 데이터를 기준으로 할 때 분류 기준이 충족되지 않습니다.

특정 표적장기 독성 (1회 노출)

사용 가능한 데이터를 기준으로 할 때 분류 기준이 충족되지 않습니다.

특정 표적장기 독성 (반복 노출)

사용 가능한 데이터를 기준으로 할 때 분류 기준이 충족되지 않습니다.

흡인 유해성

제품/성분: hydrogen peroxide
사용 가능한 데이터를 기준으로 할 때 분류 기준이 충족되지 않습니다.

만성 징후와 증상

알려진 바 없습니다.

12: 환경에 미치는 영향

12.1. 독성

제품/성분: hydrogen peroxide
생물종: 물고기, Pimephales promelas
기간: 96 시간
시험: LC50
결과: 16,4 mg/L

제품/성분: hydrogen peroxide
생물종: 물고기, Leuciscus idus
기간: 72 시간
시험: LC50
결과: 35 mg/L

제품/성분: hydrogen peroxide
생물종: 물고기, Oncorhynchus mykiss
기간: 7 일
시험: LC50
결과: 38,5 mg/L

제품/성분: hydrogen peroxide
생물종: Daphnia pulex
기간: 48 시간

화학물질의 분류, 표시 및 물질안전보건자료에 관한 기준, 제10조 따름

시험: EC50
결과: 2,4 mg/L

제품/성분: hydrogen peroxide
생물종: Daphnia magna
기간: 24 시간
시험: EC50
결과: 7,7 mg/L

제품/성분: hydrogen peroxide
생물종: Skeletonema costatum
기간: 72 시간
시험: EC50
결과: 1,38 mg/L

제품/성분: hydrogen peroxide
시험 방법: OECD 209
생물종: 박테리아
환경: 활성 슬러지 플랜트
기간: 30 minutes
시험: EC50
결과: 466 mg/L

제품/성분: hydrogen peroxide
시험 방법: OECD 209
생물종: 박테리아
환경: 활성 슬러지 플랜트
기간: 3 시간
시험: EC50
결과: > 1.000 mg/L

제품/성분: 1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
생물종: 물고기
기간: 96 시간
시험: LC50
결과: >0.1-1 mg/L

제품/성분: 1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
생물종: 갑각류
기간: 48 시간
시험: EC50
결과: >0.1-1 mg/L

제품/성분: 1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
생물종: 조류(藻類)
기간: 72 시간
시험: EC50
결과: >0.1-1 mg/L

사용 가능한 데이터를 기준으로 할 때 분류 기준이 충족되지 않습니다.

12.2. 잔류성 및 분해성

제품/성분: Alcohol, C13, bran., EO, sulfate Na~
결과: > 60 %
결론: 쉽게 생분해 가능
시험: OECD 301 B

제품/성분: hydrogen peroxide
결론: 쉽게 생분해 가능

제품/성분	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
결과:	90%
결론:	쉽게 생분해 가능
시험:	OECD 302

12.3. 생물 농축성

제품/성분	hydrogen peroxide
LogKow:	-1,57
결론:	-

제품/성분	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
BCF:	2
LogKow:	1.45
결론:	생물축적 가능성이 낮음

12.4. 토양 이동성

자료 없음.

12.5. PBT(잔류성, 생물농축성, 독성) 및 vPvB(고잔류성, 고생물농축성) 평가 결과

이 혼합물/제품에는 PBT 및/또는 vPvB로 분류되는 기준을 충족하는 것으로 여겨지는 물질이 포함되어 있지 않습니다.

12.6. 기타 유해 영향

알려진 바 없습니다.

13: 폐기시 주의사항

폐기물 처리 방법

제품에는 위험 폐기물에 대한 규정이 적용되지 않습니다.

특정 라벨링

포장

제품의 잔류물이 포함된 포장은 제품과 유사하게 폐기해야 합니다.

14: 운송에 필요한 정보

	14.1 UN번호	14.2 적정 선적명	14.3 범주	14.4 PG*	14.5 Env**	그 밖의 참고 사항:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* 포장 그룹

** 환경 유해성

추가 정보

ADR, IATA 및 IMDG에 따른 위험물이 아닙니다.

14.6. 사용자가 운송 또는 운송 수단에 관련해 알 필요가 있거나 필요한 특별한 안전 대책 해당사항 없음.

14.7. MARPOL 부록 II 및 IBC 코드에 따른 벌크 운송 자료 없음.

15: 법적 규제현황

15.1. 물질 또는 혼합물에 관련된 안전, 보건 및 환경 규정/법률

▼적용에 대한 제한:

전문 사용자 전용.

특정 교육에 대한 요구:

특정한 요구 사항 없음.

추가 정보:

해당사항 없음.

중점관리물질:

구성 성분이 나와있지 않습니다

KECI:

Alcohol, C13, bran., EO, sulfate Na~ 가 나열되어 있습니다.

hydrogen peroxide 가 나열되어 있습니다.

1,2-benzisothiazol-3(2H)-one, 1,2-benzisothiazolin-3-one 가 나열되어 있습니다.

출처:

중점관리물질: 환경부 고시 제2022-79호

화학물질의 분류·표시 및 물질안전보건자료에 관한 기준 (고용노동부고시 제2023-9호)

15.2. 화학 물질 안전성 평가

아니오

16: 그 밖의 참고사항

섹션 3에 언급된 H-문구 전문

H271, 화재 또는 폭발을 일으킬 수 있음: 강산화제.

H302, 삼키면 유해함.

H314, 피부에 심한 화상과 눈 손상을 일으킴.

H315, 피부에 자극을 일으킴.

H318, 눈에 심한 손상을 일으킴.

H319, 눈에 심한 자극을 일으킴.

H332, 흡입하면 유해함.

H336, 졸음 또는 현기증을 일으킬 수 있음.

H412, 장기적인 영향에 의해 수생생물에게 유해함.

섹션 1에 언급된 식별된 사용의 전문

알려진 바 없습니다.

약어 및 두문자어

ADN = 내륙 수로에 의한 위험물 국제 운송에 관한 유럽 규정

ADR = 위험물 국제 도로 운송에 관한 유럽 협약

ATE = 급성 독성 추정

BCF = 생물농축 계수

CAS = 화학논문 초록 서비스

EINECS = 유럽 기존 상용 화학 물질 목록

GHS = 화학물질 분류 표시 국제조화시스템

IARC = 국제암연구기관

IATA = 국제항공운송 협회

IMDG = 국제해상위험물

KECI = 한국 기준 화학 물질 목록

LogPow = 옥탄올/물 분배 계수의 로그

MARPOL = 1978년 의정서에 의해 수정된 1973년 해양오염방지협약 ("Marpol" = 해양 오염)

MoE = 환경부공고

OECD = 경제협력개발기구

PBT = 잔류성, 생물농축성, 독성

RID = 위험물 국제 철도 운송에 관한 규정

RRN = REACH 등록 번호

SCL = 에는 특정 농도 한계(SCL)가 있습니다.

STEL = 단기 노출 한도

화학물질의 분류, 표시 및 물질안전보건자료에 관한 기준, 제10조 따름

STOT-RE = 특정 대상 장기 독성-반복 노출

STOT-SE = 특정 대상 장기 독성-단일 노출

TWA = 시간 가중 평균

UN = 국제연합

VOC = 휘발성 유기 화합물

vPvB = 고잔류성, 고생물농축성

추가 정보

해당사항 없음.

물질 안전 보건자료가 다음에 의해 확인됨

Quality & Compliance

그 밖의 참고사항

변경(마지막 필수 변경에 비례(SDS 버전의 첫 번째 암호, 섹션 1 참조))은 파란색 삼각형으로 표시됩니다.

이 물질 안전 보건자료의 정보는 이 특정 제품(섹션 1 참조)에만 적용되며 다른 화학물질/제품과 함께 사용하면 정확하지 않을 수 있습니다

이 물질 안전 보건자료는 실제 제품 사용자에게 전달하시길 권장합니다. 이 물질 안전 보건자료의 정보는 제품 사양으로 사용될 수 없습니다.

국가 언어 : KR-ko

SAFETY DATA SHEET

i.1 all-purpose cleaner FlexDose

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

SDS created for KUWAIT according to GHS

1.1. Product identifier

▼ *Trade name:*

i.1 all-purpose cleaner FlexDose

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses of the substance or mixture:

Washing and cleaning products (including solvent based products)

Restricted to professional users.

Uses advised against :

None known.

1.3. Details of the supplier of the safety data sheet

Company and address:

Hygeniq B.V.

Postbus 618

7500 AP Enschede

The Netherlands

+31 53 4282860

+31 53 5393865

www.hygeniq.com

E-mail:

info@hygeniq.com

SDS date:

27/06/2025

SDS Version:

2.0

Date of previous version:

02/06/2025 (1.0)

1.4. Emergency telephone number

Contact the local emergency services.

See section 4 "First aid measures".

SECTION 2: HAZARDS IDENTIFICATION

Classified according to GHS.

2.1. Classification of the substance or mixture

Skin Irrit. 3; H316, Causes mild skin irritation

2.2. Label elements

Hazard pictogram(s):

Not applicable.

Signal word:

Warning

Hazard statement(s):

Causes mild skin irritation (H316)

Precautionary statement(s):

General:

-

Prevention:

-

Response:

If skin irritation occurs: Get medical advice/attention. (P332+P313)

Storage:

-

Disposal:

-

Hazardous substances:

Does not contain any substances required to report

Additional labelling:

Not applicable.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable. This product is a mixture.

3.2. Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
Alcohol, C13, bran., EO, sulfate Na~	CAS No.: 150413-26-6 EC No.: 688-316-0	1-3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 3, H412	
hydrogen peroxide	CAS No.: 7722-84-1 EC No.: 231-765-0	1-3%	Ox. Liq. 1, H271 Acute Tox. 4, H302 Skin Corr. 1A, H314 (SCL: 70.00 %) Skin Corr. 1B, H314 (SCL: 50.00 %) Skin Irrit. 2, H315 (SCL: 35.00 %) Eye Dam. 1, H318 (SCL: 8.00 %) Eye Irrit. 2, H319 (SCL: 5.00 %) Acute Tox. 4, H332 STOT SE 3, H336 (SCL: 35.00 %)	
citroenzuurmonohydraat	CAS No.: 5949-29-1 EC No.: 611-842-9	<0.1%	Eye Irrit. 2, H319	

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information

-

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General information:

In the case of accident: Contact a doctor or casualty department – bring the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

Inhalation:

Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

Skin contact:

Remove contaminated clothing and shoes immediately. Ensure to wash exposed skin thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or thinners.

Eye contact:

If in eyes: Flush eyes with water or saline water (20-30 °C) for at least 5 minutes. Remove contact lenses. Seek medical assistance and continue flushing during transport.

Ingestion:

If the person is conscious, rinse the mouth with water and stay with the person. Never give the person anything to drink.

In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the person lean forward with head down to avoid inhalation of or choking on vomited material.

Burns:

Not applicable.

4.2. Most important symptoms and effects, both acute and delayed

None known.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

Information to medics

Bring this safety data sheet or the label from this product.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Not applicable.

5.2. Special hazards arising from the substance or mixture

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

Carbon oxides (CO / CO₂)

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact the national poisons emergency services in order to obtain further advice.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Contaminated areas may be slippery.

6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.

Keep unauthorized persons away from the spill

6.3. Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.
Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections

See section 13 "Disposal considerations" on handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Smoking, drinking and consumption of food is not allowed in the work area.

See section 8 "Exposure controls/personal protection" for information on personal protection.

7.2. Conditions for safe storage, including any incompatibilities

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Recommended storage material:

Keep only in original packaging.

Storage conditions:

Dry, cool and well ventilated

Incompatible materials:

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

No substances are listed with an occupational exposure limit.

8.2. Exposure controls

Apply general control to prevent unnecessary exposure

General recommendations:

Smoking, drinking and consumption of food is not allowed in the work area.

Exposure scenarios:

There are no exposure scenarios implemented for this product.

Exposure limits:

Occupational exposure limits have not been defined for the substances in this product.

Appropriate technical measures:

Apply standard precautions during use of the product. Avoid inhalation of vapours.

Hygiene measures:

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Pay special attention to hands, forearms and face.

Measures to avoid environmental exposure:

No specific requirements.

Individual protection measures, such as personal protective equipment

Generally:

Use only CE marked protective equipment.

Respiratory Equipment:

Type	Class	Colour	Standards	
No special when used as intended.				

Skin protection:

Recommended	Type/Category	Standards	
No special when used as intended.	-	-	

Hand protection:

Work situation	Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
	No special when used as intended	-	-	-	
In the event of prolonged exposure or high concentrations	Cotton/Latex	-	> 120	EN374-2, EN16523-1, EN388	

Eye protection:

Work situation	Type	Standards	
	No special when used as intended.	-	
In the event of prolonged exposure or high concentrations	Safety glasses with side shields.	EN166	

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Form:

Liquid

Colour:

Colourless

Odour:

Of perfume

Odour threshold (ppm):

No data available.

pH:

ca. 4.8

Density (g/cm³):

1.02 (20 °C)

Kinematic viscosity:

No data available.

Particle characteristics:

Does not apply to liquids.

Phase changes

Melting point/Freezing point (°C):

No data available.

Softening point/range (°C):

Does not apply to liquids.

Boiling point (°C):

No data available.

Vapour pressure:

No data available.

Relative vapour density:

No data available.

Decomposition temperature (°C):

No data available.

Evaporation rate (n-butylacetate = 100):

Data on fire and explosion hazards

Flash point (°C):

No data available.

Flammability (°C):

No data available.

Auto-ignition temperature (°C):

No data available.

Explosion limits (% v/v):

No data available.

Solubility

Solubility in water:

Completely soluble

n-octanol/water coefficient (LogKow):

No data available.

Solubility in fat (g/L):

No data available.

9.2. Other information

No data available.

Other physical and chemical parameters:

No data available.

Oxidizing properties:

No data available.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

10.2. Chemical stability

The product is stable under the conditions, noted in section 7 "Handling and storage".

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity

Product/substance	hydrogen peroxide
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	1.193 - 1.270 mg/L

Product/substance	hydrogen peroxide
Species:	Rabbit
Route of exposure:	Dermal
Test:	LD50
Result:	>2.000 (35% oplossing) mg/kg

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	500 mg/kg

Based on available data, the classification criteria are not met.

Skin corrosion/irritation

Product/substance	hydrogen peroxide
Result:	Adverse effect observed (Irritating)

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Test method:	OECD 404
Result:	Adverse effect observed (Irritating)

Based on available data, the classification criteria are not met.

Serious eye damage/irritation

Product/substance	hydrogen peroxide
Result:	Adverse effect observed (Causes serious eye damage)

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Test method:	OECD 405
Result:	Adverse effect observed (Causes serious eye damage)

Based on available data, the classification criteria are not met.

Respiratory sensitisation

Product/substance	hydrogen peroxide
Result:	No adverse effect observed (not sensitising)

Based on available data, the classification criteria are not met.

Skin sensitisation

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Test method:	OECD 429
Species:	Mouse
Result:	Adverse effect observed (sensitising)

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Test method:	OECD 406
Species:	Guinea pig
Result:	Adverse effect observed (sensitising)

Based on available data, the classification criteria are not met.

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Product/substance	hydrogen peroxide
Conclusion:	No adverse effect observed

Based on available data, the classification criteria are not met.

hydrogen peroxide has been classified by IARC as a group 3 carcinogen.

Reproductive toxicity

Product/substance	hydrogen peroxide
Conclusion:	No adverse effect observed

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Product/substance hydrogen peroxide

Based on available data, the classification criteria are not met.

Long term effects

None known.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Product/substance	hydrogen peroxide
Species:	Fish, Pimephales promelas
Duration:	96 hours
Test:	LC50
Result:	16,4 mg/L

Product/substance	hydrogen peroxide
Species:	Fish, Leuciscus idus
Duration:	72 hours
Test:	LC50
Result:	35 mg/L

Product/substance	hydrogen peroxide
Species:	Fish, Oncorhynchus mykiss
Duration:	7 days
Test:	LC50
Result:	38,5 mg/L

Product/substance	hydrogen peroxide
Species:	Daphnia pulex
Duration:	48 hours
Test:	EC50
Result:	2,4 mg/L

Product/substance	hydrogen peroxide
Species:	Daphnia magna
Duration:	24 hours
Test:	EC50
Result:	7,7 mg/L

Product/substance	hydrogen peroxide
Species:	Skeletonema costatum
Duration:	72 hours
Test:	EC50
Result:	1,38 mg/L

Product/substance	hydrogen peroxide
Test method:	OECD 209
Species:	Bacteria
Compartment:	Activated Sludge Plant
Duration:	30 minutes
Test:	EC50
Result:	466 mg/L

According to GHS Rev. 8, 2019

Product/substance	hydrogen peroxide
Test method:	OECD 209
Species:	Bacteria
Compartment:	Activated Sludge Plant
Duration:	3 hours
Test:	EC50
Result:	> 1.000 mg/L
Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Species:	Fish
Duration:	96 hours
Test:	LC50
Result:	>0.1-1 mg/L
Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Species:	Crustacean
Duration:	48 hours
Test:	EC50
Result:	>0.1-1 mg/L
Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Species:	Algae
Duration:	72 hours
Test:	EC50
Result:	>0.1-1 mg/L

Based on available data, the classification criteria are not met.

12.2. Persistence and degradability

Product/substance	Alcohol, C13, bran., EO, sulfate Na~
Result:	> 60 %
Conclusion:	Readily biodegradable
Test:	OECD 301 B

Product/substance	hydrogen peroxide
Conclusion:	Readily biodegradable

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Result:	90%
Conclusion:	Readily biodegradable
Test:	OECD 302

12.3. Bioaccumulative potential

Product/substance	hydrogen peroxide
LogKow:	-1,57
Conclusion:	-

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
BCF:	2
LogKow:	1.45
Conclusion:	Potential for bioaccumulation is low

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

12.6. Other adverse effects

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

Dispose of contents/container to an approved waste disposal plant.

Specific labelling

Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: TRANSPORT INFORMATION

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Packing group

** Environmental hazards

Additional information

Not dangerous goods according to ADR, IATA and IMDG.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

No data available.

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Restrictions for application:

Restricted to professional users.

Demands for specific education:

No specific requirements.

Additional information:

Not applicable.

Sources:

Globally Harmonized System of Classification and Labelling of Chemicals (GHS Rev. 8, 2019)

15.2. Chemical safety assessment

No

SECTION 16: OTHER INFORMATION

Full text of H-phrases as mentioned in section 3

H271, May cause fire or explosion; strong oxidiser.

H302, Harmful if swallowed.

H314, Causes severe skin burns and eye damage.

H315, Causes skin irritation.

H318, Causes serious eye damage.

H319, Causes serious eye irritation.
H332, Harmful if inhaled.
H336, May cause drowsiness or dizziness.
H412, Harmful to aquatic life with long lasting effects.

The full text of identified uses as mentioned in section 1

None known.

Abbreviations and acronyms

ACGIH = American Conference of Governmental Industrial Hygienists
ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway
ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
CAS = Chemical Abstracts Service
CERCLA = Comprehensive Environmental Response Compensation and Liability Act
DOT = Department of Transportation
EINECS = European Inventory of Existing Commercial chemical Substances
EPCRA = Emergency Planning and Community Right-To-Know Act
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
HCIS = Hazardous Chemical Information System
HNOC = Hazards Not Otherwise Classified
IARC = International Agency for Research on Cancer
IATA = International Air Transport Association
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
NFPA = National Fire Protection Association
NIOSH = National Institute for Occupational Safety and Health
OECD = Organisation for Economic Co-operation and Development
OSHA = Occupational Safety and Health Administration
PBT = Persistent, Bioaccumulative and Toxic
RCRA = Resource Conservation and Recovery Act
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
RRN = REACH Registration Number
SARA = Superfund Amendments and Reauthorization Act
SCL = A specific concentration limit.
STEL = Short-term exposure limits
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
STOT-SE = Specific Target Organ Toxicity - Single Exposure
TSCA = The Toxic Substances Control Act
TWA = Time weighted average
UN = United Nations
UVBC = Unknown or variable composition, complex reaction products or of biological materials
VOC = Volatile Organic Compound
vPvB = Very Persistent and Very Bioaccumulative

Additional information

Not applicable.

The safety data sheet is validated by

Quality & Compliance

Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

Country-language: KW-en

SAFETY DATA SHEET

i.1 all-purpose cleaner FlexDose

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

SDS created for the REPUBLIC OF NORTH MACEDONIA according to GHS

1.1. Product identifier

▼ *Trade name:*

i.1 all-purpose cleaner FlexDose

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses of the substance or mixture:

Washing and cleaning products (including solvent based products)

Restricted to professional users.

Uses advised against :

None known.

1.3. Details of the supplier of the safety data sheet

Company and address:

Hygeniq B.V.

Postbus 618

7500 AP Enschede

The Netherlands

+31 53 4282860

+31 53 5393865

www.hygeniq.com

E-mail:

info@hygeniq.com

SDS date:

27/06/2025

SDS Version:

2.0

Date of previous version:

02/06/2025 (1.0)

1.4. Emergency telephone number

Contact the local emergency services.

See section 4 "First aid measures".

SECTION 2: HAZARDS IDENTIFICATION

Classified according to GHS.

2.1. Classification of the substance or mixture

Skin Irrit. 3; H316, Causes mild skin irritation

2.2. Label elements

Hazard pictogram(s):

Not applicable.

Signal word:

Warning

Hazard statement(s):

Causes mild skin irritation (H316)

Precautionary statement(s):

General:

-

Prevention:

-

Response:

If skin irritation occurs: Get medical advice/attention. (P332+P313)

Storage:

-

Disposal:

-

Hazardous substances:

Does not contain any substances required to report

Additional labelling:

Not applicable.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable. This product is a mixture.

3.2. Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
Alcohol, C13, bran., EO, sulfate Na~	CAS No.: 150413-26-6 EC No.: 688-316-0	1-3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 3, H412	
hydrogen peroxide	CAS No.: 7722-84-1 EC No.: 231-765-0	1-3%	Ox. Liq. 1, H271 Acute Tox. 4, H302 Skin Corr. 1A, H314 (SCL: 70.00 %) Skin Corr. 1B, H314 (SCL: 50.00 %) Skin Irrit. 2, H315 (SCL: 35.00 %) Eye Dam. 1, H318 (SCL: 8.00 %) Eye Irrit. 2, H319 (SCL: 5.00 %) Acute Tox. 4, H332 STOT SE 3, H336 (SCL: 35.00 %)	
citroenzuurmonohydraat	CAS No.: 5949-29-1 EC No.: 611-842-9	<0.1%	Eye Irrit. 2, H319	

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information

-

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General information:

In the case of accident: Contact a doctor or casualty department – bring the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

Inhalation:

Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

Skin contact:

Remove contaminated clothing and shoes immediately. Ensure to wash exposed skin thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or thinners.

Eye contact:

If in eyes: Flush eyes with water or saline water (20-30 °C) for at least 5 minutes. Remove contact lenses. Seek medical assistance and continue flushing during transport.

Ingestion:

If the person is conscious, rinse the mouth with water and stay with the person. Never give the person anything to drink.

In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the person lean forward with head down to avoid inhalation of or choking on vomited material.

Burns:

Not applicable.

4.2. Most important symptoms and effects, both acute and delayed

None known.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

Information to medics

Bring this safety data sheet or the label from this product.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Not applicable.

5.2. Special hazards arising from the substance or mixture

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

Carbon oxides (CO / CO₂)

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact the national poisons emergency services in order to obtain further advice.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Contaminated areas may be slippery.

6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.

Keep unauthorized persons away from the spill

6.3. Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.
Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections

See section 13 "Disposal considerations" on handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Smoking, drinking and consumption of food is not allowed in the work area.

See section 8 "Exposure controls/personal protection" for information on personal protection.

7.2. Conditions for safe storage, including any incompatibilities

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Recommended storage material:

Keep only in original packaging.

Storage conditions:

Dry, cool and well ventilated

Incompatible materials:

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

No substances are listed with an occupational exposure limit.

8.2. Exposure controls

Apply general control to prevent unnecessary exposure

General recommendations:

Smoking, drinking and consumption of food is not allowed in the work area.

Exposure scenarios:

There are no exposure scenarios implemented for this product.

Exposure limits:

Occupational exposure limits have not been defined for the substances in this product.

Appropriate technical measures:

Apply standard precautions during use of the product. Avoid inhalation of vapours.

Hygiene measures:

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Pay special attention to hands, forearms and face.

Measures to avoid environmental exposure:

No specific requirements.

Individual protection measures, such as personal protective equipment

Generally:

Use only CE marked protective equipment.

Respiratory Equipment:

Type	Class	Colour	Standards	
No special when used as intended.				

Skin protection:

Recommended	Type/Category	Standards	
No special when used as intended.	-	-	

Hand protection:

Work situation	Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
	No special when used as intended	-	-	-	
In the event of prolonged exposure or high concentrations	Cotton/Latex	-	> 120	EN374-2, EN16523-1, EN388	

Eye protection:

Work situation	Type	Standards	
	No special when used as intended.	-	
In the event of prolonged exposure or high concentrations	Safety glasses with side shields.	EN166	

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Form:

Liquid

Colour:

Colourless

Odour:

Of perfume

Odour threshold (ppm):

No data available.

pH:

ca. 4.8

Density (g/cm³):

1.02 (20 °C)

Kinematic viscosity:

No data available.

Particle characteristics:

Does not apply to liquids.

Phase changes

Melting point/Freezing point (°C):

No data available.

Softening point/range (°C):

Does not apply to liquids.

Boiling point (°C):

No data available.

Vapour pressure:

No data available.

Relative vapour density:

No data available.

Decomposition temperature (°C):

No data available.

Evaporation rate (n-butylacetate = 100):

Data on fire and explosion hazards

Flash point (°C):

No data available.

Flammability (°C):

No data available.

Auto-ignition temperature (°C):

No data available.

Explosion limits (% v/v):

No data available.

Solubility

Solubility in water:

Completely soluble

n-octanol/water coefficient (LogKow):

No data available.

Solubility in fat (g/L):

No data available.

9.2. Other information

No data available.

Other physical and chemical parameters:

No data available.

Oxidizing properties:

No data available.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

10.2. Chemical stability

The product is stable under the conditions, noted in section 7 "Handling and storage".

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity

Product/substance	hydrogen peroxide
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	1.193 - 1.270 mg/L

According to GHS Rev. 8, 2019

Product/substance	hydrogen peroxide
Species:	Rabbit
Route of exposure:	Dermal
Test:	LD50
Result:	>2.000 (35% oplossing) mg/kg

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	500 mg/kg

Based on available data, the classification criteria are not met.

Skin corrosion/irritation

Product/substance	hydrogen peroxide
Result:	Adverse effect observed (Irritating)

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Test method:	OECD 404
Result:	Adverse effect observed (Irritating)

Based on available data, the classification criteria are not met.

Serious eye damage/irritation

Product/substance	hydrogen peroxide
Result:	Adverse effect observed (Causes serious eye damage)

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Test method:	OECD 405
Result:	Adverse effect observed (Causes serious eye damage)

Based on available data, the classification criteria are not met.

Respiratory sensitisation

Product/substance	hydrogen peroxide
Result:	No adverse effect observed (not sensitising)

Based on available data, the classification criteria are not met.

Skin sensitisation

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Test method:	OECD 429
Species:	Mouse
Result:	Adverse effect observed (sensitising)

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Test method:	OECD 406
Species:	Guinea pig
Result:	Adverse effect observed (sensitising)

Based on available data, the classification criteria are not met.

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Product/substance	hydrogen peroxide
Conclusion:	No adverse effect observed

Based on available data, the classification criteria are not met.

hydrogen peroxide has been classified by IARC as a group 3 carcinogen.

Reproductive toxicity

Product/substance	hydrogen peroxide
Conclusion:	No adverse effect observed

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Product/substance hydrogen peroxide

Based on available data, the classification criteria are not met.

Long term effects

None known.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Product/substance	hydrogen peroxide
Species:	Fish, Pimephales promelas
Duration:	96 hours
Test:	LC50
Result:	16,4 mg/L

Product/substance	hydrogen peroxide
Species:	Fish, Leuciscus idus
Duration:	72 hours
Test:	LC50
Result:	35 mg/L

Product/substance	hydrogen peroxide
Species:	Fish, Oncorhynchus mykiss
Duration:	7 days
Test:	LC50
Result:	38,5 mg/L

Product/substance	hydrogen peroxide
Species:	Daphnia pulex
Duration:	48 hours
Test:	EC50
Result:	2,4 mg/L

Product/substance	hydrogen peroxide
Species:	Daphnia magna
Duration:	24 hours
Test:	EC50
Result:	7,7 mg/L

Product/substance	hydrogen peroxide
Species:	Skeletonema costatum
Duration:	72 hours
Test:	EC50
Result:	1,38 mg/L

Product/substance	hydrogen peroxide
Test method:	OECD 209
Species:	Bacteria
Compartment:	Activated Sludge Plant
Duration:	30 minutes
Test:	EC50
Result:	466 mg/L

According to GHS Rev. 8, 2019

Product/substance	hydrogen peroxide
Test method:	OECD 209
Species:	Bacteria
Compartment:	Activated Sludge Plant
Duration:	3 hours
Test:	EC50
Result:	> 1.000 mg/L
Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Species:	Fish
Duration:	96 hours
Test:	LC50
Result:	>0.1-1 mg/L
Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Species:	Crustacean
Duration:	48 hours
Test:	EC50
Result:	>0.1-1 mg/L
Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Species:	Algae
Duration:	72 hours
Test:	EC50
Result:	>0.1-1 mg/L

Based on available data, the classification criteria are not met.

12.2. Persistence and degradability

Product/substance	Alcohol, C13, bran., EO, sulfate Na~
Result:	> 60 %
Conclusion:	Readily biodegradable
Test:	OECD 301 B

Product/substance	hydrogen peroxide
Conclusion:	Readily biodegradable

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Result:	90%
Conclusion:	Readily biodegradable
Test:	OECD 302

12.3. Bioaccumulative potential

Product/substance	hydrogen peroxide
LogKow:	-1,57
Conclusion:	-

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
BCF:	2
LogKow:	1.45
Conclusion:	Potential for bioaccumulation is low

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

12.6. Other adverse effects

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

Dispose of contents/container to an approved waste disposal plant.

Specific labelling

Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: TRANSPORT INFORMATION

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Packing group

** Environmental hazards

Additional information

Not dangerous goods according to ADR, IATA and IMDG.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

No data available.

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Restrictions for application:

Restricted to professional users.

Demands for specific education:

No specific requirements.

Additional information:

Not applicable.

Sources:

Globally Harmonized System of Classification and Labelling of Chemicals (GHS Rev. 8, 2019)

15.2. Chemical safety assessment

No

SECTION 16: OTHER INFORMATION

Full text of H-phrases as mentioned in section 3

H271, May cause fire or explosion; strong oxidiser.

H302, Harmful if swallowed.

H314, Causes severe skin burns and eye damage.

H315, Causes skin irritation.

H318, Causes serious eye damage.

H319, Causes serious eye irritation.
H332, Harmful if inhaled.
H336, May cause drowsiness or dizziness.
H412, Harmful to aquatic life with long lasting effects.

The full text of identified uses as mentioned in section 1

None known.

Abbreviations and acronyms

ACGIH = American Conference of Governmental Industrial Hygienists
ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway
ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
CAS = Chemical Abstracts Service
CERCLA = Comprehensive Environmental Response Compensation and Liability Act
DOT = Department of Transportation
EINECS = European Inventory of Existing Commercial chemical Substances
EPCRA = Emergency Planning and Community Right-To-Know Act
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
HCIS = Hazardous Chemical Information System
HNOC = Hazards Not Otherwise Classified
IARC = International Agency for Research on Cancer
IATA = International Air Transport Association
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
NFPA = National Fire Protection Association
NIOSH = National Institute for Occupational Safety and Health
OECD = Organisation for Economic Co-operation and Development
OSHA = Occupational Safety and Health Administration
PBT = Persistent, Bioaccumulative and Toxic
RCRA = Resource Conservation and Recovery Act
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
RRN = REACH Registration Number
SARA = Superfund Amendments and Reauthorization Act
SCL = A specific concentration limit.
STEL = Short-term exposure limits
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
STOT-SE = Specific Target Organ Toxicity - Single Exposure
TSCA = The Toxic Substances Control Act
TWA = Time weighted average
UN = United Nations
UVBC = Unknown or variable composition, complex reaction products or of biological materials
VOC = Volatile Organic Compound
vPvB = Very Persistent and Very Bioaccumulative

Additional information

Not applicable.

The safety data sheet is validated by

Quality & Compliance

Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

Country-language: MK-en

SAFETY DATA SHEET

i.1 all-purpose cleaner FlexDose

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

▼ *Trade name:*

i.1 all-purpose cleaner FlexDose

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses of the substance or mixture:

Washing and cleaning products (including solvent based products)
Restricted to professional users.

Uses advised against :

None known.

1.3. Details of the supplier of the safety data sheet

Company and address:

Hygeniq B.V.
Postbus 618
7500 AP Enschede
The Netherlands
+31 53 4282860
+31 53 5393865
www.hygeniq.com

E-mail:

info@hygeniq.com

Revision:

27/06/2025

SDS Version:

2.0

Date of previous version:

02/06/2025 (1.0)

1.4. Emergency telephone number

Emergency: 112 (24h service)
Hospital Malta Mater Dei, Medicines & Poisons information office: +356 2545 6508
See also section 4 "First aid measures".

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Not classified according to Regulation (EC) No. 1272/2008 (CLP).

2.2. Label elements

Hazard pictogram(s):

Not applicable.

Signal word:

Not applicable.

Hazard statement(s):

Not applicable.

Precautionary statement(s):

General:

-

Prevention:

-

Response:

-

Storage:

-

Disposal:

-

Hazardous substances:

Does not contain any substances required to report

Additional labelling:

EUH210, Safety data sheet available on request.

Labelling of contents according to Detergents Regulation (EC) No 648/2004 (applicable to packaging of detergents sold to the general public):

>5% - <15%

· Non-ionic surfactants

< 5%

· Anionic surfactants

· Oxygen-based bleaching Agents

· Perfumes

· Preservation agent (BENZISOTHIAZOLINONE)

2.3. Other hazards

Additional warnings:

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2023/707.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable. This product is a mixture.

3.2. Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
Alcohol, C13, bran., EO, sulfate Na~	CAS No.: 150413-26-6 EC No.: 688-316-0 REACH: Index No.:	1-3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 3, H412	
hydrogen peroxide	CAS No.: 7722-84-1 EC No.: 231-765-0 REACH: 01-2119485845-22-XXXX Index No.: 008-003-00-9	1-3%	Ox. Liq. 1, H271 Acute Tox. 4, H302 Skin Corr. 1A, H314 (SCL: 70.00 %) Skin Corr. 1B, H314 (SCL: 50.00 %) Skin Irrit. 2, H315 (SCL: 35.00 %) Eye Dam. 1, H318 (SCL: 8.00 %) Eye Irrit. 2, H319 (SCL: 5.00 %)	

			Acute Tox. 4, H332 STOT SE 3, H336 (SCL: 35.00 %)	
citroenzuurmonohydraat	CAS No.: 5949-29-1 EC No.: 611-842-9 REACH: 01-2119457026-42-XXXX Index No.:	<0.1%	Eye Irrit. 2, H319	
Disodium tin hexahydroxide	CAS No.: 12027-70-2 EC No.: 234-724-5 REACH: 01-2120770924-45-XXXX Index No.:	<0.05%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	[1]

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information

[1] European occupational exposure limit.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General information:

In the case of accident: Contact a doctor or casualty department – bring the label or this safety data sheet. The doctor can contact Hospital Malta Mater Dei, Medicines & Poisons information office: +356 2545 6508
Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

Inhalation:

Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

Skin contact:

Upon irritation: rinse with water. In the event of continued irritation, seek medical assistance.

Eye contact:

If in eyes: Flush eyes with water or saline water (20-30 °C) for at least 5 minutes. Remove contact lenses. Seek medical assistance and continue flushing during transport.

Ingestion:

If the person is conscious, rinse the mouth with water and stay with the person. Never give the person anything to drink.
In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the person lean forward with head down to avoid inhalation of or choking on vomited material.

Burns:

Not applicable.

4.2. Most important symptoms and effects, both acute and delayed

None known.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

Information to medics

Bring this safety data sheet or the label from this product.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Not applicable.

5.2. Special hazards arising from the substance or mixture

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

Carbon oxides (CO / CO₂)

5.3. Advice for firefighters

No specific requirements.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation, especially in confined areas.

Contaminated areas may be slippery.

6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.

Keep unauthorized persons away from the spill

6.3. Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections

See section 13 "Disposal considerations" on handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Smoking, drinking and consumption of food is not allowed in the work area.

See section 8 "Exposure controls/personal protection" for information on personal protection.

7.2. Conditions for safe storage, including any incompatibilities

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Recommended storage material:

Keep only in original packaging.

Storage conditions:

Dry, cool and well ventilated

Incompatible materials:

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Disodium tin hexahydroxide

Long term exposure limit (8 hours) (mg/m³): 2 (as Sn)

Protection Of The Health And Safety Of Workers From The Risks Related To Chemical Agents At Work Regulations, 5th September 2003 (Subsidiary Legislation 424.24)

DNEL

1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	0.345 mg/kg
Long term – Systemic effects - Workers	Dermal	966 µg/kg bw/day
Long term – Systemic effects - General population	Inhalation	1.2 mg/m ³
Long term – Systemic effects - Workers	Inhalation	6.81 mg/m ³

Disodium tin hexahydroxide

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	1.21 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	3.37 mg/kg bw/day
Long term – Systemic effects - General population	Inhalation	1.78 mg/m ³
Long term – Systemic effects - Workers	Inhalation	11.9 mg/m ³
Long term – Systemic effects - General population	Oral	1.21 mg/kg bw/day

hydrogen peroxide

Duration:	Route of exposure:	DNEL:
Long term – Local effects - General population	Inhalation	0,21 mg/m ³
Long term – Local effects - General population	Inhalation	210 µg/m ³
Long term – Local effects - Workers	Inhalation	1.4 mg/m ³
Short term – Local effects - General population	Inhalation	1.93 mg/m ³
Short term – Local effects - Workers	Inhalation	3 mg/m ³

PNEC

1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		4.03 µg/L
Freshwater sediment		49.9 µg/kg
Intermittent release (freshwater)		1.1 µg/L
Intermittent release (marine water)		110 ng/L
Marine water		403 ng/L
Marine water sediment		4.99 µg/kg
Sewage treatment plant		1.03 mg/L
Soil		3 mg/kg

Disodium tin hexahydroxide

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		33.1 µg/L
Freshwater sediment		1.395 mg/kg
Intermittent release (freshwater)		331 µg/L
Intermittent release (marine water)		33.1 µg/L
Marine water		3.31 µg/L
Marine water sediment		139.46 µg/kg
Sewage treatment plant		10 mg/L

hydrogen peroxide

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		0,0126 mg/L
Freshwater		12.6 µg/L
Freshwater sediment		0,047 mg/kg
Freshwater sediment		47 µg/kg
Intermittent release (freshwater)		13.8 µg/L
Marine water		0,047 mg/L
Marine water		12.6 µg/L
Marine water sediment		0,047 mg/L
Marine water sediment		47 µg/kg
Sewage treatment plant		4.66 mg/L
Sewage treatment plant		4.66 mg/L
Soil		0,023 mg/kg
Soil		2.3 µg/kg

8.2. Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

General recommendations:

Smoking, drinking and consumption of food is not allowed in the work area.

Exposure scenarios:

There are no exposure scenarios implemented for this product.

Exposure limits:

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

Appropriate technical measures:

The formation of vapours must be kept at a minimum and below current limit values (see above). Installation of a local exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure eyewash and emergency showers are clearly marked.

Apply standard precautions during use of the product. Avoid inhalation of vapours.

Hygiene measures:

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Pay special attention to hands, forearms and face.

Measures to avoid environmental exposure:

No specific requirements.

Individual protection measures, such as personal protective equipment

Generally:

Use only CE marked protective equipment.

Respiratory Equipment:

Type	Class	Colour	Standards	
No special when used as intended.				

Skin protection:

Recommended	Type/Category	Standards	
No special when used as intended.	-	-	

Hand protection:

Work situation	Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
	No special when used as intended	-	-	-	
In the event of prolonged exposure or high concentrations	Cotton/Latex	-	> 120	EN374-2, EN16523-1, EN388	

Eye protection:

Work situation	Type	Standards	
	No special when used as intended.	-	
In the event of prolonged exposure or high concentrations	Safety glasses with side shields.	EN166	

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state:

Liquid

Colour:

Colourless

Odour / Odour threshold:

Of perfume

pH:

ca. 4.8

Density (g/cm³):

1.02 (20 °C)

Kinematic viscosity:

No data available.

Particle characteristics:

Does not apply to liquids.

Phase changes

Melting point/Freezing point (°C):

No data available.

Softening point/range (°C):

Does not apply to liquids.

Boiling point (°C):

No data available.

Vapour pressure:

No data available.

Relative vapour density:

No data available.

Decomposition temperature (°C):

No data available.

Data on fire and explosion hazards

Flash point (°C):

No data available.

Flammability (°C):

No data available.

Auto-ignition temperature (°C):

No data available.

Lower and upper explosion limit (% v/v):

No data available.

Solubility

Solubility in water:

Completely soluble

n-octanol/water coefficient (LogKow):

No data available.

Solubility in fat (g/L):

No data available.

9.2. Other information

Other physical and chemical parameters:

No data available.

Oxidizing properties:

No data available.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

10.2. Chemical stability

The product is stable under the conditions, noted in section 7 "Handling and storage".

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Product/substance	hydrogen peroxide
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	1.193 - 1.270 mg/L

Product/substance	hydrogen peroxide
Species:	Rabbit
Route of exposure:	Dermal
Test:	LD50
Result:	>2.000 (35% oplossing) mg/kg

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Species:	Rat

Route of exposure: Oral
Test: LD50
Result: 500 mg/kg

Based on available data, the classification criteria are not met.

Skin corrosion/irritation

Product/substance: hydrogen peroxide
Result: Adverse effect observed (Irritating)

Product/substance: 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Test method: OECD 404
Result: Adverse effect observed (Irritating)

Based on available data, the classification criteria are not met.

Serious eye damage/irritation

Product/substance: hydrogen peroxide
Result: Adverse effect observed (Causes serious eye damage)

Product/substance: 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Test method: OECD 405
Result: Adverse effect observed (Causes serious eye damage)

Based on available data, the classification criteria are not met.

Respiratory sensitisation

Product/substance: hydrogen peroxide
Result: No adverse effect observed (not sensitising)

Based on available data, the classification criteria are not met.

Skin sensitisation

Product/substance: 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Test method: OECD 429
Species: Mouse
Result: Adverse effect observed (sensitising)

Product/substance: 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Test method: OECD 406
Species: Guinea pig
Result: Adverse effect observed (sensitising)

Based on available data, the classification criteria are not met.

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Product/substance: hydrogen peroxide
Conclusion: No adverse effect observed

Based on available data, the classification criteria are not met.

Reproductive toxicity

Product/substance: hydrogen peroxide
Conclusion: No adverse effect observed

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Product/substance: hydrogen peroxide
Based on available data, the classification criteria are not met.

11.2. Information on other hazards

Long term effects

None known.

Endocrine disrupting properties

This mixture/product does not contain any substances known to have hormone-disrupting properties in relation to health.

Other information

hydrogen peroxide has been classified by IARC as a group 3 carcinogen.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Product/substance	hydrogen peroxide
Species:	Fish, Pimephales promelas
Duration:	96 hours
Test:	LC50
Result:	16,4 mg/L

Product/substance	hydrogen peroxide
Species:	Fish, Leuciscus idus
Duration:	72 hours
Test:	LC50
Result:	35 mg/L

Product/substance	hydrogen peroxide
Species:	Fish, Oncorhynchus mykiss
Duration:	7 days
Test:	LC50
Result:	38,5 mg/L

Product/substance	hydrogen peroxide
Species:	Daphnia pulex
Duration:	48 hours
Test:	EC50
Result:	2,4 mg/L

Product/substance	hydrogen peroxide
Species:	Daphnia magna
Duration:	24 hours
Test:	EC50
Result:	7,7 mg/L

Product/substance	hydrogen peroxide
Species:	Skeletonema costatum
Duration:	72 hours
Test:	EC50
Result:	1,38 mg/L

Product/substance	hydrogen peroxide
Test method:	OECD 209
Species:	Bacteria
Compartment:	Activated Sludge Plant
Duration:	30 minutes
Test:	EC50
Result:	466 mg/L

Product/substance	hydrogen peroxide
Test method:	OECD 209

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Species:	Bacteria
Compartment:	Activated Sludge Plant
Duration:	3 hours
Test:	EC50
Result:	> 1.000 mg/L

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Species:	Fish
Duration:	96 hours
Test:	LC50
Result:	>0.1-1 mg/L

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Species:	Crustacean
Duration:	48 hours
Test:	EC50
Result:	>0.1-1 mg/L

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Species:	Algae
Duration:	72 hours
Test:	EC50
Result:	>0.1-1 mg/L

Based on available data, the classification criteria are not met.

12.2. Persistence and degradability

Product/substance	Alcohol, C13, bran., EO, sulfate Na~
Result:	> 60 %
Conclusion:	Readily biodegradable
Test:	OECD 301 B

Product/substance	hydrogen peroxide
Conclusion:	Readily biodegradable

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Result:	90%
Conclusion:	Readily biodegradable
Test:	OECD 302

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

12.3. Bioaccumulative potential

Product/substance	hydrogen peroxide
LogKow:	-1,57
Conclusion:	-

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
BCF:	2
LogKow:	1.45
Conclusion:	Potential for bioaccumulation is low

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

12.6. Endocrine disrupting properties

This mixture/product does not contain any substances considered to have endocrine-disrupting properties in relation

to the environment.

12.7. Other adverse effects

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Product is covered by the regulations on hazardous waste. (*)

HP 4 - Irritant (skin irritation and eye damage)

Commission Regulation (EU) No 1357/2014 of 18 December 2014 on waste.

EWC code:

20 01 30

Detergents other than those mentioned in 20 01 29

Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: TRANSPORT INFORMATION

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Packing group

** Environmental hazards

Additional information

Not dangerous goods according to ADR, IATA and IMDG.

14.6. Special precautions for user

Not applicable.

14.7. Maritime transport in bulk according to IMO instruments

No data available.

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Restrictions for application:

Restricted to professional users.

Demands for specific education:

No specific requirements.

SEVESO - Categories / dangerous substances:

Not applicable.

Regulation on explosives precursors:

hydrogen peroxide (Annex I)

Labelling of contents according to Detergents Regulation (EC) No 648/2004:

>5% - <15%

· Non-ionic surfactants

< 5%

· Anionic surfactants

· Oxygen-based bleaching Agents

- Perfumes
- Preservation agent (BENZISOTHIAZOLINONE)

Additional information:

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

Sources:

Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents.
Commission Regulation (EU) No 1357/2014 of 18 December 2014 on waste.
Council Regulation (EC) No 2019/1148 on explosives precursors.
Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (CLP).
Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

15.2. Chemical safety assessment

No

SECTION 16: OTHER INFORMATION

Full text of H-phrases as mentioned in section 3

H271, May cause fire or explosion; strong oxidiser.
H302, Harmful if swallowed.
H314, Causes severe skin burns and eye damage.
H315, Causes skin irritation.
H318, Causes serious eye damage.
H319, Causes serious eye irritation.
H332, Harmful if inhaled.
H335, May cause respiratory irritation.
H336, May cause drowsiness or dizziness.
H412, Harmful to aquatic life with long lasting effects.

Abbreviations and acronyms

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway
ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
CAS = Chemical Abstracts Service
CE = Conformité Européenne (European conformity)
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
CSA = Chemical Safety Assessment
CSR = Chemical Safety Report
DMEL = Derived Minimal Effect Level
DNEL = Derived No Effect Level
EINECS = European Inventory of Existing Commercial chemical Substances
ES = Exposure Scenario
EUH statement = CLP-specific Hazard statement
EuPCS = European Product Categorisation System
EWC = European Waste Catalogue
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
GWP = Global warming potential
IARC = International Agency for Research on Cancer (IARC)
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)

OECD = Organisation for Economic Co-operation and Development
PBT = Persistent, Bioaccumulative and Toxic
PNEC = Predicted No Effect Concentration
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
RRN = REACH Registration Number
SCL = A specific concentration limit
SVHC = Substances of Very High Concern
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
STOT-SE = Specific Target Organ Toxicity - Single Exposure
TWA = Time weighted average
UN = United Nations
UVBC = Unknown or variable composition, complex reaction products or of biological materials
VOC = Volatile Organic Compound
vPvB = Very Persistent and Very Bioaccumulative

Additional information

Not applicable.

The safety data sheet is validated by

Quality & Compliance

Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

Country-language: MT-en

HELAIAN DATA KESELAMATAN

i.1 all-purpose cleaner FlexDose

BAHAGIAN 1: PENGENALAN BAHAN KIMIA DAN PEMBEKAL

1.1. Pengecam produk

▼ *Nama dagang:*

i.1 all-purpose cleaner FlexDose

1.2. Kegunaan yang disarankan bagi bahan dan sekatan penggunaan

Penggunaan bahan atau campuran yang dikenal pasti:

Detergen dan agen pembersih (termasuk yang berasaskan pelarut)
Terhad kepada pengguna profesional.

Penggunaan yang tidak disarankan:

Tidak diketahui.

1.3. Butiran pembekal helaian data keselamatan

Butiran syarikat:

Hygeniq B.V.

Lenteweg 15
7532 RV Enschede
Nederland
0534282860

E-mel:

info@hygeniq.com

Tarikh SDS:

27/06/2025

Versi SDS:

2.0

Tarikh Keluaran Terdahulu:

2/06/2025 (1.0)

1.4. Nombor telefon kecemasan

Pusat Racun Kebangsaan (Pulau Pinang): Tel: 04 657 0099 (Isnin-Jumaat 08:10pg - 5:10pg), Tel: 012 430 9499 (Isnin-Jumaat 5:10ptg-10:00mlm ; Hujung minggu & cuti umum 8.10pg - 5.10ptg)

Lihat seksyen 4: Langkah pertolongan cemas

BAHAGIAN 2: PENGENALAN BAHAYA

2.1. Klasifikasi bahan atau campuran

Tidak dikelaskan mengikut Tataamalan Industri pada Pengelasan Bahan Kimia dan Komunikasi Hazard (ICOP).

2.2. Unsur label

Piktogram bahaya:

Tidak berkenaan.

Kata isyarat:

Tidak berkenaan.

Pernyataan bahaya:

Berdasarkan Peraturan Keselamatan dan Kesihatan Pekerjaan (Klasifikasi, Pelabelan dan Lembaran Data Keselamatan Bahan Kimia Berbahaya) 2013

Tidak berkenaan.

Pernyataan berjaga-jaga:

Am:

-

Pencegahan:

-

Tindakbalas:

-

Penyimpanan:

-

Pelupusan:

-

Ramuan berbahaya:

Tidak mengandungi bahan yang diperlukan untuk dilaporkan

Pelabelan tambahan:

Tidak berkenaan.

BAHAGIAN 3: KOMPOSISI DAN MAKLUMAT MENGENAI RAMUAN BAHAN KIMIA BERBAHAYA

3.1. Bahan

Tidak berkenaan. Produk ini ialah sejenis campuran.

3.2. Campuran

Produk/bahan	Pengenal pasti	% w/w	Klasifikasi	Nota
Alcohol, C13, bran., EO, sulfate Na~	CAS: 150413-26-6 EC: 688-316-0	1-3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 3, H412	
hydrogen peroxide	CAS: 7722-84-1 EC: 231-765-0	1-3%	Ox. Liq. 1, H271 Acute Tox. 4, H302 Skin Corr. 1A, H314 (SCL: 70.00 %) Skin Corr. 1B, H314 (SCL: 50.00 %) Skin Irrit. 2, H315 (SCL: 35.00 %) Eye Dam. 1, H318 (SCL: 8.00 %) Eye Irrit. 2, H319 (SCL: 5.00 %) Acute Tox. 4, H332 STOT SE 3, H336 (SCL: 35.00 %)	
citroenzuurmonohydraat	CAS: 5949-29-1 EC: 611-842-9	<0.1%	Eye Irrit. 2, H319	

Lihat teks penuh frasa H dalam seksyen 16. Had pendedahan pekerjaan disenaraikan dalam seksyen 8, jika ini tersedia.

Maklumat lain

-

BAHAGIAN 4: LANGKAH-LANGKAH PERTOLONGAN CEMAS

4.1. Deskripsi langkah pertolongan cemas

Am:

Jika berlaku kemalangan: Hubungi doktor atau jabatan kecemasan - bawa label atau helaian data keselamatan ini. Hubungi doktor jika ragu-ragu mengenai keadaan orang yang cedera atau jika simptom tersebut berterusan. Jangan berikan air atau minuman lain kepada orang yang tidak sedarkan diri.

Penyedutan:

Sekiranya rasa tidak selesa: alihkan orang itu ke kawasan berudara segar.

Terkena kulit:

Apabila kerengsaan: bilas dengan air. Sekiranya kerengsaan berterusan, dapatkan bantuan perubatan.

Terkena mata:

Bilas perlahan-lahan dengan air suam. Tanggalkan sebarang kanta sentuh jika ini mudah dilakukan. Teruskan membilas. Sekiranya kerengsaan mata atau ketidakselesaan berterusan: Dapatkan bantuan perubatan.

Tertelan:

Bilas dan cuci mulut dengan teliti dan gunakan kuantiti air yang banyak. Sekiranya ketidakselesaan berterusan: dapatkan bantuan perubatan dan bawa data keselamatan ini.

Terbakar:

Tidak berkenaan.

4.2. Simptom dan kesan yang paling penting, kedua-dua akut dan tertunda

Tidak diketahui.

4.3. Indikasi bagi sebarang rawatan segera dan rawatan khas yang diperlukan

Rawat ia mengikut simptom.

Nota kepada doktor

Bawa helaian data keselamatan ini atau label

BAHAGIAN 5: LANGKAH-LANGKAH PEMADAMAN KEBAKARAN

5.1. Media pemadam kebakaran

Tidak berkenaan.

5.2. Bahaya khusus yang timbul daripada bahan atau campuran

Kebakaran akan mengakibatkan asap tebal. Pendedahan kepada produk pembakaran boleh membahayakan kesihatan anda. Bekas tertutup, yang terdedah kepada kebakaran, hendaklah disejukkan dengan menggunakan air. Jangan biarkan air pemadaman api masuk ke sistem kumbahan dan permukaan perairan berhampiran.

Jika produk terdedah kepada suhu tinggi, cth. jika berlaku kebakaran, sebatian penguraian berbahaya dihasilkan.

Iaitu:

Karbon oksida (CO / CO₂)

5.3. Nasihat untuk ahli bomba

Tiada keperluan khusus.

BAHAGIAN 6: LANGKAH-LANGKAH PELEPASAN TIDAK SENGAJA

6.1. Langkah berjaga-jaga peribadi, peralatan pelindung dan prosedur kecemasan

Pastikan pengudaraan yang mencukupi, terutamanya di kawasan tertutup. Kawasan tercemar mungkin licin.

6.2. Langkah berjaga-jaga alam sekitar

Elakkan pelepasan ke tasik, sungai, pembetung, dll.

Pastikan orang yang tidak dibenarkan berada jauh daripada tumpahan

6.3. Kaedah dan bahan bagi pembendungan dan pembersihan

Mengandungi dan mengumpul tumpahan dengan bahan penyerap yang tidak mudah terbakar cth. pasir, tanah, vermikulit atau tanah diatom dan diletakkan dalam bekas untuk dilupuskan mengikut peraturan tempatan. Sekiranya boleh, pembersihan hendaklah dilakukan dengan agen pembersihan biasa. Elakkan penggunaan pelarut.

6.4. Rujukan kepada seksyen lain

Lihat seksyen 13 untuk maklumat tambahan pembuangan.

Lihat seksyen 8 untuk maklumat kawalan pendedahan dan perlindungan diri.

BAHAGIAN 7: PENGENDALIAN DAN PENYIMPANAN

7.1. Langkah berjaga-jaga bagi pengendalian selamat

Merokok, minum dan makan adalah tidak dibenarkan di kawasan kerja.

Lihat seksyen "Kawalan pendedahan dan perlindungan diri" untuk maklumat mengenai perlindungan peribadi.

7.2. Keadaan bagi penyimpanan yang selamat, termasuk apa-apa ketakserasian

Bahan penyimpanan yang disyorkan:

Pastikan bahan disimpan hanya di dalam bekas asal.

Keadaan penyimpanan:

Kering, sejuk dan pengudaraan yang baik

Bahan tidak serasi:

Asid yang kuat, asas yang kuat, agen pengoksidaan kuat, dan agen pengurangan yang kuat.

7.3. Kegunaan akhir yang spesifik

Produk ini hanya boleh digunakan untuk aplikasi yang disebutkan dalam seksyen 1.2

BAHAGIAN 8: KAWALAN PENDEDAHAN DAN PERLINDUNGAN DIRI

8.1. Parameter kawalan

hydrogen peroxide

Had pendedahan jangka panjang (8 jam) (ppm): 1

Had pendedahan jangka panjang (8 jam) (mg/m³): 1,4

PERATURAN-PERATURAN KESELAMATAN DAN KESIHATAN PEKERJAAN (PENGUNAAN DAN STANDARD PENDEDAHAN BAHAN KIMIA BERBAHAYA KEPADA KESIHATAN) 2000

8.2. Kawalan-kawalan pendedahan

Pematuhan nilai had pendedahan pekerjaan yang diberikan harus dikawal secara teratur.

Cadangan am:

Merokok, minum dan makan adalah tidak dibenarkan di kawasan kerja.

Senario pendedahan:

Tiada senario pendedahan yang dilaksanakan untuk produk ini.

Had pendedahan:

Pengguna profesional tertakluk kepada kepekatan maksimum yang sah untuk pendedahan pekerjaan. Lihat nilai had kebersihan pekerjaan di atas.

Kawalan kejuruteraan yang sesuai:

Pembentukan wap mesti dikekalkan pada paras minimum dan di bawah nilai had semasa (lihat di atas). Jika aliran udara biasa dalam bilik kerja tidak mencukupi, pemasangan suatu sistem ekzos setempat adalah disyorkan.

Pastikan bahawa pencuci mata dan pancuran kecemasan ditandakan dengan jelas.

Ambil langkah berjaga-jaga yang biasa semasa penggunaan produk. Elakkan penyedutan wap.

Langkah-langkah kebersihan:

Basuh tangan selepas digunakan.

Kawalan pendedahan alam sekitar:

Tiada keperluan khusus.

Langkah perlindungan individu, seperti PPE

Berdasarkan Peraturan Keselamatan dan Kesihatan Pekerjaan (Klasifikasi, Pelabelan dan Lembaran Data Keselamatan Bahan Kimia Berbahaya) 2013

Am:

Gunakan peralatan perlindungan bertanda CE.

Perlindungan pernafasan:

Jenis	Kelas	Warna	Standard	
Tidak khas apabila digunakan seperti yang dimaksudkan				

Perlindungan kulit:

Disyorkan	Jenis / Kategori	Standard	
Tidak khas apabila digunakan seperti yang dimaksudkan	-	-	

Perlindungan tangan:

Situasi kerja	Bahan	Ketebalan sarung tangan (mm)	Masa penembusan (min.)	Standard	
	Tidak khas apabila digunakan seperti yang dimaksudkan	-	-	-	
Jika pendedahan berpanjangan atau kepekatan tinggi	Kapas/Lateks	-	> 120	EN374-2, EN16523-1, EN388	

Perlindungan mata/muka:

Situasi kerja	Jenis	Standard	
	Tidak khas apabila digunakan seperti yang dimaksudkan	-	
Jika pendedahan berpanjangan atau kepekatan tinggi	Kaca mata keselamatan dengan pelindung sisi	EN166	

BAHAGIAN 9: SIFAT FIZIKAL DAN KIMIA

9.1. Maklumat tentang sifat fizikal dan kimia asas

Rupa:

Cecair

Warna:

Nir-warna

Bau:

Minyak wangi

Ambang bau (ppm):

Tiada data yang tersedia.

pH:

ca. 4.8

Ketumpatan (g/cm³):

1.02 (20 °C)

Kelikatan:

Tiada data yang tersedia.

Ciri-ciri zarah:

Tidak digunakan pada cecair

Fasa perubahan

Takat lebur/takat beku (°C):

Tiada data yang tersedia.

Titik lebur/julat (°C):

Tidak digunakan pada cecair

Titik didih/julat didih (°C):

Tiada data yang tersedia.

Tekanan Wap:

Tiada data yang tersedia.

Ketumpatan Wap:

Tiada data yang tersedia.

Suhu pereputan (°C):

Tiada data yang tersedia.

Kadar Penyejatan:

Data mengenai bahaya kebakaran dan letupan

Takat kilat (°C):

Tiada data yang tersedia.

Titik pencucuhan (°C):

Tiada data yang tersedia.

Suhu penyalaan automatik (°C):

Tiada data yang tersedia.

Had mudah meletup (mudah menyala) bawah dan atas (% v/v):

Tiada data yang tersedia.

Keterlarutan

Kelarutan dalam air:

Larut sepenuhnya

Pekali Sekatan (LogKow):

Tiada data yang tersedia.

Kelarutan dalam lemak (g/L):

Tiada data yang tersedia.

9.2. Maklumat lain

Parameter fizikal dan kimia yang lain:

Tiada data yang tersedia.

Sifat pengoksidaan:

Tiada data yang tersedia.

BAHAGIAN 10: KESTABILAN DAN KEREAKTIFAN

10.1. Kereaktifan

Tiada data yang tersedia.

10.2. Kestabilan kimia

Produk ini stabil di bawah keadaan, yang disebut dalam seksyen 7 "Pengendalian dan penyimpanan".

10.3. Kemungkinan tindak balas berbahaya

Tidak diketahui.

10.4. Keadaan yang perlu dielak

Tidak diketahui.

10.5. Bahan yang tidak serasi

Berdasarkan Peraturan Keselamatan dan Kesihatan Pekerjaan (Klasifikasi, Pelabelan dan Lembaran Data Keselamatan Bahan Kimia Berbahaya) 2013

Asid yang kuat, asas yang kuat, agen pengoksidaan kuat, dan agen pengurangan yang kuat.

10.6. Produk penguraian berbahaya

Dalam keadaan penyimpanan dan penggunaan yang biasa, produk penguraian berbahaya tidak boleh dihasilkan.

BAHAGIAN 11: MAKLUMAT TOKSIKOLOGI

11.1. Maklumat tentang kesan toksikologi

Ketoksikan akut

Produk/bahan	hydrogen peroxide
Spesis:	Tikus
Laluan pendedahan:	Oral
Ujian:	LD50
Keputusan:	1.193 - 1.270 mg/L

Produk/bahan	hydrogen peroxide
Spesis:	Arnab
Laluan pendedahan:	Kulit
Ujian:	LD50
Keputusan:	>2.000 (35% oplossing) mg/kg

Produk/bahan	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Spesis:	Tikus
Laluan pendedahan:	Oral
Ujian:	LD50
Keputusan:	500 mg/kg

Berdasarkan data yang ada, kriteria klasifikasi tidak dipenuhi.

Kakisan/kerengsaan Kulit

Produk/bahan	hydrogen peroxide
Keputusan:	Kesan buruk yang diperhatikan (Merengsakan)

Produk/bahan	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Kaedah ujian:	OECD 404
Keputusan:	Kesan buruk yang diperhatikan (Merengsakan)

Berdasarkan data yang ada, kriteria klasifikasi tidak dipenuhi.

Kerosakan/kerengsaan mata yang serius

Produk/bahan	hydrogen peroxide
Keputusan:	Kesan buruk yang diperhatikan (Menyebabkan kerosakan mata yang serius)

Produk/bahan	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Kaedah ujian:	OECD 405
Keputusan:	Kesan buruk yang diperhatikan (Menyebabkan kerosakan mata yang serius)

Berdasarkan data yang ada, kriteria klasifikasi tidak dipenuhi.

Pemekaan pernafasan

Produk/bahan	hydrogen peroxide
Keputusan:	Tiada kesan buruk yang diperhatikan (tidak memekatkan)

Berdasarkan data yang ada, kriteria klasifikasi tidak dipenuhi.

Pemekaan kulit

Produk/bahan	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Kaedah ujian:	OECD 429
Spesis:	Tikus
Keputusan:	Kesan buruk yang diperhatikan (memekatkan)

Produk/bahan	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Kaedah ujian:	OECD 406

Berdasarkan Peraturan Keselamatan dan Kesihatan Pekerjaan (Klasifikasi, Pelabelan dan Lembaran Data Keselamatan Bahan Kimia Berbahaya) 2013

Spesis: Argus
Keputusan: Kesan buruk yang diperhatikan (memekatkan)

Berdasarkan data yang ada, kriteria klasifikasi tidak dipenuhi.

Kemutagenan sel germa

Berdasarkan data yang ada, kriteria klasifikasi tidak dipenuhi.

Kekarsinogenan

Produk/bahan: hydrogen peroxide
Kesimpulan: Tiada kesan buruk yang diperhatikan

Berdasarkan data yang ada, kriteria klasifikasi tidak dipenuhi.
hydrogen peroxide : Bahan ini dikelaskan oleh IARC sebagai kumpulan 3.

Ketoksikan pembiakan

Produk/bahan: hydrogen peroxide
Kesimpulan: Tiada kesan buruk yang diperhatikan

Berdasarkan data yang ada, kriteria klasifikasi tidak dipenuhi.

Ketoksikan organ sasaran khusus (pendedahan tunggal)

Berdasarkan data yang ada, kriteria klasifikasi tidak dipenuhi.

Ketoksikan organ sasaran khusus (pendedahan berulang)

Berdasarkan data yang ada, kriteria klasifikasi tidak dipenuhi.

Bahaya aspirasi

Produk/bahan: hydrogen peroxide
Berdasarkan data yang ada, kriteria klasifikasi tidak dipenuhi.

Kesan Jangka Panjang

Tidak diketahui.

BAHAGIAN 12: MAKLUMAT EKOLOGI

12.1. Ketoksikan

Produk/bahan: hydrogen peroxide
Spesis: Ikan, Pimephales promelas
Tempoh: 96 jam
Ujian: LC50
Keputusan: 16,4 mg/L

Produk/bahan: hydrogen peroxide
Spesis: Ikan, Leuciscus idus
Tempoh: 72 jam
Ujian: LC50
Keputusan: 35 mg/L

Produk/bahan: hydrogen peroxide
Spesis: Ikan, Oncorhynchus mykiss
Tempoh: 7 hari
Ujian: LC50
Keputusan: 38,5 mg/L

Produk/bahan: hydrogen peroxide
Spesis: Daphnia pulex
Tempoh: 48 jam
Ujian: EC50
Keputusan: 2,4 mg/L

Produk/bahan: hydrogen peroxide
Spesis: Daphnia magna
Tempoh: 24 jam

Berdasarkan Peraturan Keselamatan dan Kesehatan Pekerjaan (Klasifikasi, Pelabelan dan Lembaran Data Keselamatan Bahan Kimia Berbahaya) 2013

Ujian: EC50
Keputusan: 7,7 mg/L

Produk/bahan: hydrogen peroxide
Spesis: Skeletonema costatum
Tempoh: 72 jam
Ujian: EC50
Keputusan: 1,38 mg/L

Produk/bahan: hydrogen peroxide
Kaedah ujian: OECD 209
Spesis: Bakteria
Persekitaran: Loji Enapcemar Diaktifkan
Tempoh: 30 minutes
Ujian: EC50
Keputusan: 466 mg/L

Produk/bahan: hydrogen peroxide
Kaedah ujian: OECD 209
Spesis: Bakteria
Persekitaran: Loji Enapcemar Diaktifkan
Tempoh: 3 jam
Ujian: EC50
Keputusan: > 1.000 mg/L

Produk/bahan: 1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Spesis: Ikan
Tempoh: 96 jam
Ujian: LC50
Keputusan: >0.1-1 mg/L

Produk/bahan: 1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Spesis: Krustasia
Tempoh: 48 jam
Ujian: EC50
Keputusan: >0.1-1 mg/L

Produk/bahan: 1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Spesis: Alga
Tempoh: 72 jam
Ujian: EC50
Keputusan: >0.1-1 mg/L

Berdasarkan data yang ada, kriteria klasifikasi tidak dipenuhi.

12.2. Ketegaran dan keterdegradan

Produk/bahan: Alcohol, C13, bran., EO, sulfate Na~
Keputusan: > 60 %
Kesimpulan: Mudah terbiodegradasi
Ujian: OECD 301 B

Produk/bahan: hydrogen peroxide
Kesimpulan: Mudah terbiodegradasi

Produk/bahan: 1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Keputusan: 90%
Kesimpulan: Mudah terbiodegradasi
Ujian: OECD 302

12.3. Keupayaan biopengumpulan

Produk/bahan: hydrogen peroxide

Berdasarkan Peraturan Keselamatan dan Kesihatan Pekerjaan (Klasifikasi, Pelabelan dan Lembaran Data Keselamatan Bahan Kimia Berbahaya) 2013

LogKow: -1,57
Kesimpulan: -

Produk/bahan 1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
BCF: 2
LogKow: 1.45
Kesimpulan: Potensi untuk biopengumpulan yang rendah

12.4. Mobiliti dalam tanah

Tiada data yang tersedia.

12.5. Keputusan taksiran PBT dan vPvB

Campuran/produk ini tidak mengandungi sebarang bahan yang dianggap memenuhi kriteria yang mengklasifikasikannya sebagai PBT dan/atau vPvB.

12.6. Kesan memudaratkan yang lain

Tidak diketahui.

BAHAGIAN 13: MAKLUMAT PELUPUSAN

Kaedah rawatan bahan buangan

Lupuskan kandungan/bekas ke ke loji pelupusan sisa yang diluluskan.

Pelabelan spesifik

Bahan Pembungkusan Tercemar

Pembungkusan yang mengandungi residu produk mesti dilupuskan sama dengan produk tersebut.

BAHAGIAN 14: MAKLUMAT PENGANGKUTAN

	14.1 No. U.N.	14.2 Nama penghantaran betul	14.3 Kelas	14.4 PG*	14.5 Env**	Maklumat lain:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Kumpulan Pembungkusan

** Bahaya Alam Sekitar

Maklumat tambahan

Barangan tidak berbahaya menurut ADR, IATA dan IMDG.

14.6. Langkah berjaga-jaga khas untuk pengguna

Tidak berkenaan.

14.7. Pengangkutan secara pukal menurut Lampiran II MARPOL dan Kod IBC

Tiada data yang tersedia.

BAHAGIAN 15: MAKLUMAT PENGAWALSELIAAN

15.1. Peraturan/undang-undang keselamatan, kesihatan dan alam sekitar yang khusus bagi bahan atau campuran

Sekatan untuk penggunaan:

Terhad kepada pengguna profesional.

Keperluan untuk pendidikan khusus:

Tiada keperluan khusus.

Berdasarkan Peraturan Keselamatan dan Kesihatan Pekerjaan (Klasifikasi, Pelabelan dan Lembaran Data Keselamatan Bahan Kimia Berbahaya) 2013

Kawalan terhadap bahaya kemalangan besar dalam perindustrian:

Tidak berkenaan.

Maklumat tambahan:

Tidak berkenaan.

Sistem Pengurusan Maklumat Kimia (CIMS):

hydrogen peroxide disenaraikan

1,2-benzisothiazol-3(2H)-one, 1,2-benzisothiazolin-3-one disenaraikan

Sumber:

AKTA KESELAMATAN DAN KESIHATAN PEKERJAAN 1994

Peraturan-peraturan Keselamatan dan Kesihatan Pekerjaan (Pengelasan, Pelabelan dan Lembaran Data Keselamatan Bahan Kimia Berbahaya) [2013 P.U. (A) 310.]

Tataamalan Industri pada Pengelasan Bahan Kimia dan Komunikasi Hazard (ICOP)

15.2. Penilaian keselamatan kimia

Tidak

BAHAGIAN 16: MAKLUMAT LAIN

Teks penuh frasa H seperti yang dinyatakan dalam seksyen 3

H271, Boleh menyebabkan kebakaran atau letupan; pengoksida kuat

H302, Memudaratkan jika tertelan.

H314, Menyebabkan lecuran kulit dan kerosakan mata yang teruk.

H315, Menyebabkan kerengsaan kulit.

H318, Menyebabkan kerosakan mata yang serius.

H319, Menyebabkan kerengsaan mata yang serius.

H332, Memudaratkan jika tertedut.

H336, Boleh menyebabkan mengantuk atau kepeningan.

H412, Memudaratkan kepada hidupan akuatik dengan kesan kekal berpanjangan.

Teks penuh penggunaan yang dikenalpasti seperti dinyatakan dalam seksyen 1

Tidak diketahui.

Singkatan dan akronim

ADN = Peruntukan Eropah mengenai Pengangkutan Barang Antarabangsa Berbahaya melalui Jalan Air Pedalaman

ADR = Perjanjian Eropah mengenai Pengangkutan Antarabangsa Barangan Berbahaya melalui Jalan Raya

ATE = Anggaran Ketoksikan Akut

BCF = Faktor Biokonsentrasi

CAS = Perkhidmatan Abstrak Kimia

EINECS = - Inventori Eropah Bagi Bahan Kimia Komersial Sedia Ada

GHS = Sistem Terharmoni Global Bagi Pengelasan dan Pelabelan Bahan Kimia

IARC = Agensi Antarabangsa Penyelidikan Mengenai Kanser

IATA = Persatuan Pengangkutan Udara Antarabangsa

IMDG = Barangan Berbahaya Maritim Antarabangsa

LogPow = logaritma pekali partisi oktanol/air

MARPOL = Konvensyen Antarabangsa untuk Pencegahan Pencemaran dari Kapal, 1973 seperti yang diubahsuai oleh Protokol 1978. ("Marpol" = pencemaran marin)

OECD = Pertubuhan Kerjasama Ekonomi dan Pembangunan

RID = Peraturan-peraturan bagi Pengangkutan Antarabangsa Barangan Berbahaya oleh Kereta Api

SCL = Mempunyai had kepekatan tertentu.

STEL = Had pendedahan jangka pendek

STOT-RE = Ketoksikan Organ Sasaran Khusus - Pendedahan Berulang

STOT-SE = Ketoksikan Organ Sasaran Khusus - Pendedahan Tunggal

TWA = Purata wajaran masa

UN = Bangsa-Bangsa Bersatu

VOC = Kompaun Organik Meruap

Maklumat tambahan

Tidak berkenaan.



Berdasarkan Peraturan Keselamatan dan Kesihatan Pekerjaan (Klasifikasi, Pelabelan dan Lembaran Data Keselamatan Bahan Kimia Berbahaya) 2013

Lembaran data keselamatan disahkan oleh

Quality & Compliance

Maklumat lain

Perubahan (berkadar dengan perubahan penting yang terakhir (sifer pertama dalam versi SDS, lihat seksyen 1)) ditandakan dengan segitiga.

Maklumat dalam helaian data keselamatan ini hanya terpakai kepada produk tertentu ini (disebutkan dalam seksyen 1) dan tidak semestinya betul jika digunakan dengan bahan kimia/produk lain.

Adalah disyorkan untuk menyerahkan helaian data keselamatan ini kepada pengguna produk yang sebenarnya.

Maklumat dalam helaian data keselamatan ini tidak boleh digunakan sebagai spesifikasi produk.

Negara-bahasa: MY-ms

VEILIGHEIDSINFORMATIEBLAD

i.1 all-purpose cleaner FlexDose

RUBRIEK 1: IDENTIFICATIE VAN DE STOF OF HET MENGSEL EN VAN DE VENNOOTSCHAP/ONDERNEMING

1.1. Productidentificatie

▼ *Handelsnaam:*

i.1 all-purpose cleaner FlexDose

1.2. Relevant geïdentificeerd gebruik van de stof of het mengsel en ontraden gebruik

Relevant geïdentificeerd gebruik van de stof of het mengsel:

Was- en reinigingsmiddelen (inclusief op oplosmiddelbasis)

Uitsluitend voor gebruik door professionele gebruiker.

Ontraden gebruik :

Niet bekend.

1.3. Details betreffende de verstrekker van het veiligheidsinformatieblad

Firmanaam en adres:

Hygeniq B.V.

Postbus 618

7500 AP Enschede

The Netherlands

+31 53 4282860

+31 53 5393865

www.hygeniq.com

E-mailadres:

info@hygeniq.com

Herziening:

27-06-2025

SDS-versie:

2.0

Datum vorige uitgave:

02-06-2025 (1.0)

1.4. Telefoonnummer voor noodgevallen

Bij ongeval met dit product neemt contact op met uw arts of de spoeddiensten van het plaatselijke ziekenhuis. Artsen en medisch personeel kunnen met NVIC contact opnemen: Tel: +31 (0)88 755 8000 (bereikbaar 24/7). Het telefoonnummer is uitsluitend bestemd om professionele hulpverleners te informeren bij acute vergiftigingen. Zie rubriek 4 over eerstehulpmaatregelen.

RUBRIEK 2: IDENTIFICATIE VAN DE GEVAREN

2.1. Indeling van de stof of het mengsel

Niet geclassificeerd volgens de Verordening (EG) Nr.1272/2008 (CLP).

2.2. Etiketteringselementen

Gevarenpictogram(men):

Niet van toepassing.

Signaalwoord:

Niet van toepassing.

Gevarenaanduidingen:

Niet van toepassing.

Veiligheidsaanbevelingen:

Algemeen:

-

Preventie:

-

Reactie:

-

Opslag:

-

Verwijdering:

-

Stoffen waarvoor meldingsplicht geldt:

Bevat geen informatieplichtige stoffen

Andere opmerkingen:

EUH210, Veiligheidsinformatieblad op verzoek verkrijgbaar.

Etikettering van de inhoud in overeenstemming met detergentiaverordening EG nr. 648/2004 (van toepassing op verpakkingen van wasmiddelen die aan het grote publiek worden verkocht):

>5% - <15%

· Niet-ionogene oppervlakteactieve stoffen

< 5%

· Anionogene oppervlakteactieve stoffen

· Zuurstofbleekmiddelen

· Parfums

· Conserveermiddel (BENZISOTHIAZOLINONE)

2.3. Andere gevaren

Overig:

Dit mengsel/product bevat geen stoffen die aan de criteria voldoen om ze als PBT en/of zPzB te classificeren.

Dit product bevat geen stoffen die worden beschouwd als hormoonverstorende stoffen volgens de criteria van Gedelegeerde Verordening (EU) 2017/2100 van de Commissie of Verordening (EU) 2023/707 van de Commissie.

RUBRIEK 3: SAMENSTELLING EN INFORMATIE OVER DE BESTANDDELEN

3.1. Stoffen

Niet van toepassing. Dit product is een mengsel.

3.2. Mengsels

Product / ingrediënt	Identificatiemogelijkheden	% w/w	Classificatie	Opm.
Alcohol, C13, bran., EO, sulfate Na~	CAS Nr.: 150413-26-6 EG Nr: 688-316-0 REACH: Catalogusnr.:	1-3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 3, H412	
waterstofperoxide	CAS Nr.: 7722-84-1 EG Nr: 231-765-0 REACH: 01-2119485845-22-XXXX Catalogusnr.: 008-003-00-9	1-3%	Ox. Liq. 1, H271 Acute Tox. 4, H302 Skin Corr. 1A, H314 (SCL: 70,00 %) Skin Corr. 1B, H314 (SCL: 50,00 %) Skin Irrit. 2, H315 (SCL: 35,00 %) Eye Dam. 1, H318 (SCL: 8,00 %)	

			Eye Irrit. 2, H319 (SCL: 5,00 %) Acute Tox. 4, H332 STOT SE 3, H336 (SCL: 35,00 %)	
citroenzuurmonohydraat	CAS Nr.: 5949-29-1 EG Nr: 611-842-9 REACH: 01-2119457026-42-XXXX Catalogusnr.:	<0.1%	Eye Irrit. 2, H319	
Disodium tin hexahydroxide	CAS Nr.: 12027-70-2 EG Nr: 234-724-5 REACH: 01-2120770924-45-XXXX Catalogusnr.:	<0.05%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	[1]

De volledige tekst van de gevarenaanduidingen staat in rubriek 16. Arbeidshygiënische grenswaarden zijn genoemd in rubriek 8, voor zover ze van toepassing zijn.

Andere informatie

[1] Europese grenswaarde voor beroepsmatige blootstelling.

RUBRIEK 4: EERSTEHULPMAATREGELEN

4.1. Beschrijving van de eerstehulpmaatregelen

Algemeen:

Bij ongelukken: Contacteer een arts of het : Tel: +31 (0)88 755 8000 (bereikbaar 24/7). Neem het etiket van het product of dit veiligheidsblad mee.
Het telefoonnummer is uitsluitend bestemd om professionele hulpverleners te informeren bij acute vergiftigingen. Bij aanhoudende symptomen of twijfel over de toestand van het slachtoffer moet er een arts ingeschakeld worden. Geef een bewusteloze persoon nooit water of iets dergelijks.

Bij inademen:

Als men moeilijkheden vaststelt tijdens de ademhaling of irritatie van de luchtwegen: Breng de persoon naar buiten en houd hem in de gaten.

Bij huidcontact:

Bij irritatie: Was het product eraf. Bij aanhoudende irritatie: Ga naar een arts.

Bij oogcontact:

Bij contact met de ogen: Spoel direct met water (20-30 °C) gedurende minstens 5 minuten. Verwijder eventuele contactlenzen. Ga naar de dokter.

Bij inslikken:

Als de persoon bij bewustzijn is, spoel dan de mond met water en blijf bij de persoon. Neem direct contact op met de dokter als de persoon zich niet goed voelt en neem dit veiligheidsblad mee of het etiket van het product. Lok het braken, niet uit, behalve als de arts dat adviseert. Laat het hoofd naar voor zakken zodat eventueel braaksel niet terugloopt in mond en hals.

Bij verbranding:

Niet van toepassing.

4.2. Belangrijkste acute en uitgestelde symptomen en effecten

Niet bekend.

4.3. Vermelding van eventueel noodzakelijke onmiddellijke medische verzorging en speciale behandeling

Symptomatisch behandelen.

Informatie voor de arts

Neem dit veiligheidsblad met of het etiket van het materiaal gegevens mee.

RUBRIEK 5: BRANDBESTRIJDINGSMAATREGELEN

5.1. Blusmiddelen

Niet van toepassing.

5.2. Speciale gevaren die door de stof of het mengsel worden veroorzaakt

Brand zal dichte rook ontwikkelen. Blootstelling aan afbraakproducten kan een gevaar voor de gezondheid opleveren. Gesloten houders die blootgesteld worden aan vuur, afkoelen met water. Laat het bluswater niet in riolering of waterleiding weglopen.

Als het product wordt blootgesteld aan hoge temperaturen, bv. in situaties van brand, kunnen er gevaarlijke afbraakproducten ontstaan. Deze zijn:

Carbonoxiden (CO / CO₂)

5.3. Advies voor brandweerlieden

Geen bijzondere eisen.

RUBRIEK 6: MAATREGELEN BIJ HET ACCIDENTEEL VRIJKOMEN VAN DE STOF OF HET MENGSEL

6.1. Persoonlijke voorzorgsmaatregelen, beschermingsmiddelen en noodprocedures

Zorg voor voldoende ventilatie, vooral in afgesloten ruimten.
Verontreinigde gebieden kunnen glad zijn.

6.2. Milieuvorzorgsmaatregelen

Voorkom weglopen naar meren, rivieren, riolering, e.d.
Houd onbevoegden uit de buurt van het gemorste product.

6.3. Insluitings- en reinigingsmethoden en -materiaal

Verzamel gemorst materiaal met onbrandbaar, absorberend materiaal, bijvoorbeeld zand, aarde, vermiculiet of diatomeeënaarde en doe het in een container voor verwijdering volgens de lokale voorschriften.
Schoonmaken wordt voor zover mogelijk met schoonmaakmiddelen gedaan. Vermijd oplosmiddelen.

6.4. Verwijzing naar andere rubrieken

Zie het rubriek "Instructies voor verwijdering" over hoe om te gaan met afval.
Zie het rubriek over 8 "Maatregelen ter beheersing van blootstelling/persoonlijke bescherming" voor beschermingsregelingen.

RUBRIEK 7: HANTERING EN OPSLAG

7.1. Voorzorgsmaatregelen voor het veilig hanteren van de stof of het mengsel

Roken, eten en drinken is niet toegestaan in arbeidslokalen.
Zie de rubriek "Maatregelen ter beheersing van blootstelling/persoonlijke bescherming" voor informatie over persoonlijke bescherming.

7.2. Voorwaarden voor een veilige opslag, met inbegrip van incompatibele producten

Containers die zijn geopend dienen zorgvuldig te worden afgesloten en rechtop te worden opgeslagen om lekkage te voorkomen.

Compatibele verpakkingen:

Uitsluitend in de oorspronkelijke verpakking bewaren.

Opslag condities:

Droog, koel en goed geventileerd

Chemisch op elkaar inwerkende materialen:

Sterke zuren, sterke basen, sterke oxidatiemiddelen en sterke reductiemiddelen.

7.3. Specifiek eindgebruik

Dit product mag alleen worden gebruikt voor de doeleinden zoals beschreven in rubriek 1.2.

RUBRIEK 8: MAATREGELEN TER BEHEERSING VAN BLOOTSTELLING/PERSOONLIJKE BESCHERMING

8.1. Controleparameters

2-(2-ethoxyethoxy)ethanol

Grenswaarde (TGG 8 uur) (mg/m³): 180

Opmerkingen:

H = Opgenomen via de huid.

Bijlage XIII behorend bij de Arbeidsomstandighedenregeling. Lijst van wettelijke grenswaarden.

DNEL

1,2-benzisothiazool-3(2H)-on; 1,2-benzisothiazoline-3-on

Duur:	Blootstellingsroute:	DNEL:
Lange termijn - Systemische effecten - Algehele populatie	Inademing	1.2 mg/m ³
Lange termijn - Systemische effecten - Arbeiders	Inademing	6.81 mg/m ³
Lange termijn - Systemische effecten - Algehele populatie	Via de huid	0.345 mg/kg
Lange termijn - Systemische effecten - Arbeiders	Via de huid	966 µg/kg bw/dag

2-(2-ethoxyethoxy)ethanol

Duur:	Blootstellingsroute:	DNEL:
Lange termijn - Lokale effecten - Algehele populatie	Inademing	18,3 mg/m ³
Lange termijn - Lokale effecten - Algehele populatie	Inademing	18 mg/m ³
Lange termijn - Lokale effecten - Arbeiders	Inademing	18 mg/m ³
Lange termijn - Lokale effecten - Arbeiders	Inademing	30 mg/m ³
Lange termijn - Systemische effecten - Arbeiders	Inademing	37 mg/m ³
Lange termijn - Systemische effecten - Arbeiders	Inademing	61 mg/m ³
Lange termijn - Systemische effecten - Algehele populatie	Oraal	25 mg/kg bw/dag
Lange termijn - Systemische effecten - Algehele populatie	Via de huid	25 mg/kg/d
Lange termijn - Systemische effecten - Arbeiders	Via de huid	50 mg/kg bw/dag
Lange termijn - Systemische effecten - Arbeiders	Via de huid	83 mg/kg/d

Disodium tin hexahydroxide

Duur:	Blootstellingsroute:	DNEL:
Lange termijn - Systemische effecten - Algehele populatie	Inademing	1.78 mg/m ³
Lange termijn - Systemische effecten - Arbeiders	Inademing	11.9 mg/m ³
Lange termijn - Systemische effecten - Algehele populatie	Oraal	1.21 mg/kg bw/dag
Lange termijn - Systemische effecten - Algehele populatie	Via de huid	1.21 mg/kg bw/dag
Lange termijn - Systemische effecten - Arbeiders	Via de huid	3.37 mg/kg bw/dag

waterstofperoxide

Duur:	Blootstellingsroute:	DNEL:
Korte termijn - Lokale effecten - Algehele populatie	Inademing	1.93 mg/m ³
Korte termijn - Lokale effecten - Arbeiders	Inademing	3 mg/m ³
Lange termijn - Lokale effecten - Algehele populatie	Inademing	0,21 mg/m ³
Lange termijn - Lokale effecten - Algehele populatie	Inademing	210 µg/m ³

Lange termijn - Lokale effecten - Arbeiders	Inademing	1.4 mg/m ³

PNEC

1,2-benzisothiazool-3(2H)-on; 1,2-benzisothiazoline-3-on

Blootstellingsroute:	Blootstellingsduur:	PNEC:
Aarde		3 mg/kg
Afvalwaterzuiveringsinstallatie		1.03 mg/L
Intermitterende vrijlating (zeewater)		110 ng/L
Intermitterende vrijlating (zoet water)		1.1 µg/L
Zeewater		403 ng/L
Zeewatersediment		4.99 µg/kg
Zoet water		4.03 µg/L
Zoetwatersediment		49.9 µg/kg

2-(2-ethoxyethoxy)ethanol

Blootstellingsroute:	Blootstellingsduur:	PNEC:
Aarde		0,15 mg/kg
Aarde		0.732 mg/kg
Aarde		0.34 mg/kg
Afvalwaterzuiveringsinstallatie		500 mg/L
Intermitterende vrijlating		10 mg/L
Intermitterende vrijlating (zoet water)		10 mg/L
Zeewater		0,074 mg/L
Zeewater		0.198 mg/L
Zeewatersediment		0,274 mg/kg
Zoet water		0,74 mg/L
Zoet water		1.98 mg/L
Zoetwatersediment		2,47 mg/kg
Zoetwatersediment		7.32 mg/kg

Disodium tin hexahydroxide

Blootstellingsroute:	Blootstellingsduur:	PNEC:
Afvalwaterzuiveringsinstallatie		10 mg/L
Intermitterende vrijlating (zeewater)		33.1 µg/L
Intermitterende vrijlating (zoet water)		331 µg/L
Zeewater		3.31 µg/L
Zeewatersediment		139.46 µg/kg
Zoet water		33.1 µg/L
Zoetwatersediment		1.395 mg/kg

waterstofperoxide

Blootstellingsroute:	Blootstellingsduur:	PNEC:
Aarde		0,023 mg/kg
Aarde		2.3 µg/kg
Afvalwaterzuiveringsinstallatie		4.66 mg/L
Afvalwaterzuiveringsinstallatie		4.66 mg/L

Intermitterende vrijlating (zoet water)		13.8 µg/L
Zeewater		0,047 mg/L
Zeewater		12.6 µg/L
Zeewatersediment		0,047 mg/L
Zeewatersediment		47 µg/kg
Zoet water		0,0126 mg/L
Zoet water		12.6 µg/L
Zoetwatersediment		0,047 mg/kg
Zoetwatersediment		47 µg/kg

8.2. Maatregelen ter beheersing van blootstelling

Naleving van de aangegeven grenswaarden dient regelmatig gecontroleerd te worden.

Algemene gedragslijnen:

Roken, eten en drinken is niet toegestaan in arbeidslokalen.

Blootstellingsscenario's:

Er zijn geen blootstellingsscenario's geïmplementeerd voor dit product.

Blootstellingslimieten:

Beroepsmatige gebruikers vallen onder de regels van de arbeidsomstandighedenwet betreffende maximum concentratie van exponering. Zie de arbeidshygiënische grenswaarden hierboven.

Technische maatregelen:

De ontwikkeling van dampen moet zo beperkt mogelijk blijven en in elk geval onder de aangegeven grenswaarden (zie hoger). Een lokaal afzuigsysteem is aan te raden als de ventilatie in het lokaal ontoereikend is. Zorg ervoor dat oogspoelmiddel en een doucheslang in geval van nood duidelijk aangegeven zijn.

Wees voorzichtig bij het gebruik van het product. Vermijd de inademing van dampen.

Hygiënische maatregelen:

Tijdens elke pauze in het gebruik van het product en na werktijd moeten geëxponeerde lichaamsdelen afgewassen worden. Let vooral op handen, onderarmen en gezicht.

Beheersing van milieublootstelling:

Geen bijzondere eisen.

Individuele beschermingsmaatregelen, zoals persoonlijke beschermingsmiddelen

Algemeen:

Gebruik alleen beschermingsapparatuur met het CE-keurmerk.

Luchtwegen:

Type	Klasse	Kleur	Standaard	
Geen bijzondere bij normaal doelbewust gebruik.				

Huid en lichaam:

Aanbevolen	Type/Categorie	Normen	
Geen bijzondere bij normaal doelbewust gebruik	-	-	

Handen:

Werksituatie	Materiaal	Minimale laagdikte (mm)	Doorbraaktijd (min.)	Normen	
	Geen bijzondere bij normaal doelbewust gebruik	-	-	-	

Werksituatie	Materiaal	Minimale laagdikte (mm)	Doorbraaktijd (min.)	Normen	
In het geval van een lange blootstelling of hoge concentraties	Katoen / Natuurlijk rubber (Latex)	-	> 120	EN374-2, EN16523-1, EN388	

Ogen:

Werksituatie	Type	Normen	
	Geen bijzondere bij normaal doelbewust gebruik.	-	
In het geval van een lange blootstelling of hoge concentraties	Draag een veiligheidsbril met zijstukken	EN166	

RUBRIEK 9: FYSISCH EN CHEMISCH EIGENSCHAPPEN

9.1. Informatie over fysische en chemische basiseigenschappen

Fysische toestand:

Vloeibaar

Kleur:

Kleurloos

Geur / Geurdrempelwaarde (ppm):

Van parfum

pH:

ca. 4.8

Soortelijk gewicht (g/cm³):

1,02 (20 °C)

Kinematische viscositeit:

Geen gegevens beschikbaar.

Deeltjeskenmerken:

Niet van toepassing op vloeistoffen.

Toestandsverandering en damp

Smeltpunt/vriespunt (°C):

Geen gegevens beschikbaar.

Verwekingspunt/verwekingstraject (°C):

Niet van toepassing op vloeistoffen.

Kookpunt (°C):

Geen gegevens beschikbaar.

Dampdruk:

Geen gegevens beschikbaar.

Relatieve dampdichtheid:

Geen gegevens beschikbaar.

Ontledingstemperatuur (°C):

Geen gegevens beschikbaar.

Data voor brand- en explosiegevaar

Vlampunt (°C):

Geen gegevens beschikbaar.

Ontvlambaarheid (°C):

Geen gegevens beschikbaar.

Zelfontbrandingstemperatuur (°C):

Geen gegevens beschikbaar.

Ontploffingsgrenzen (% v/v):

Geen gegevens beschikbaar.

Oplosbaarheid

Oplosbaarheid in water:

Volledig oplosbaar

n-octanol/water coëfficiënt (LogKow):

Geen gegevens beschikbaar.

Oplosbaarheid in vet (g/L):

Geen gegevens beschikbaar.

9.2. Overige informatie

Andere fysische en chemische parameters:

Geen gegevens beschikbaar.

Oxiderende eigenschappen:

Geen gegevens beschikbaar.

RUBRIEK 10: STABILITEIT EN REACTIVITEIT

10.1. Reactiviteit

Geen gegevens beschikbaar.

10.2. Chemische stabiliteit

Het product is stabiel onder de voorwaarden die genoemd zijn in de rubriek 7 "Hantering en opslag".

10.3. Mogelijke gevaarlijke reacties

Niet bekend.

10.4. Te vermijden omstandigheden

Niet bekend.

10.5. Chemisch op elkaar inwerkende materialen

Sterke zuren, sterke basen, sterke oxidatiemiddelen en sterke reductiemiddelen.

10.6. Gevaarlijke ontledingsproducten

Bij normale omstandigheden van opslag en gebruik, zouden gevaarlijke ontledingsproducten niet moeten worden geproduceerd.

RUBRIEK 11: TOXICOLOGISCHE INFORMATIE

11.1. Informatie over gevarenklassen als omschreven in Verordening (EG) nr. 1272/2008

Acute toxiciteit

Product / ingrediënt	2-(2-ethoxyethoxy)ethanol
Soorten:	Rat
Blootstellingsroute:	Inademing
Test:	LC0
Resultaat:	0,025 mg/L

Product / ingrediënt	2-(2-ethoxyethoxy)ethanol
Testmethode:	OESO 402
Soorten:	Konijn
Blootstellingsroute:	Via de huid
Test:	LD50
Resultaat:	9143 mg/kg

Product / ingrediënt	2-(2-ethoxyethoxy)ethanol
Soorten:	Muis

Blootstellingsroute: Oraal
Test: LD50
Resultaat: 6031 mg/kg

Product / ingrediënt: waterstofperoxide
Soorten: Rat
Blootstellingsroute: Oraal
Test: LD50
Resultaat: 1.193 - 1.270 mg/L

Product / ingrediënt: waterstofperoxide
Soorten: Konijn
Blootstellingsroute: Via de huid
Test: LD50
Resultaat: >2.000 (35% oplossing) mg/kg

Product / ingrediënt: 1,2-benzisothiazool-3(2H)-on; 1,2-benzisothiazoline-3-on
Soorten: Rat
Blootstellingsroute: Oraal
Test: LD50
Resultaat: 500 mg/kg

Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.

Huidcorrosie/-irritatie

Product / ingrediënt: 2-(2-ethoxyethoxy)ethanol
Resultaat: Geen schadelijke effecten waargenomen (Niet irriterend)

Product / ingrediënt: waterstofperoxide
Resultaat: Schadelijke effecten waargenomen (Irriterend)

Product / ingrediënt: 1,2-benzisothiazool-3(2H)-on; 1,2-benzisothiazoline-3-on
Testmethode: OESO 404
Resultaat: Schadelijke effecten waargenomen (Irriterend)

Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.

Ernstig oogletsel/oogirritatie

Product / ingrediënt: 2-(2-ethoxyethoxy)ethanol
Resultaat: Schadelijke effecten waargenomen (Licht irriterend)

Product / ingrediënt: waterstofperoxide
Resultaat: Schadelijke effecten waargenomen (Veroorzaakt ernstig oogletsel)

Product / ingrediënt: 1,2-benzisothiazool-3(2H)-on; 1,2-benzisothiazoline-3-on
Testmethode: OESO 405
Resultaat: Schadelijke effecten waargenomen (Veroorzaakt ernstig oogletsel)

Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.

Sensibilisatie van de luchtwegen

Product / ingrediënt: waterstofperoxide
Resultaat: Geen schadelijke effecten waargenomen (niet sensibiliserend)

Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.

Sensibilisatie van de huid

Product / ingrediënt: 1,2-benzisothiazool-3(2H)-on; 1,2-benzisothiazoline-3-on
Testmethode: OESO 429
Soorten: Muis
Resultaat: Schadelijke effecten waargenomen (sensibiliserend)

Product / ingrediënt: 1,2-benzisothiazool-3(2H)-on; 1,2-benzisothiazoline-3-on
Testmethode: OESO 406

Soorten: Cavia
Resultaat: Schadelijke effecten waargenomen (sensibiliserend)

Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.

Mutageniteit in geslachtscellen

Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.

Kankerverwekkend

Product / ingrediënt waterstofperoxide
Conclusie: Geen schadelijke effecten waargenomen

Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.

Giftigheid voor de voortplanting

Product / ingrediënt waterstofperoxide
Conclusie: Geen schadelijke effecten waargenomen

Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.

STOT bij eenmalige blootstelling

Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.

STOT bij herhaalde blootstelling

Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.

Gevaar bij inademing

Product / ingrediënt waterstofperoxide
Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.

11.2. Informatie over andere gevaren

Effecten op lange termijn

Niet bekend.

Hormoonontregelende eigenschappen

Dit mengsel/product bevat geen stoffen die worden beschouwd als het hebben van hormoonverstorende eigenschappen met betrekking tot de gezondheid.

Overige informatie

waterstofperoxide : De stof is geclassificeerd als groep 3 door IARC.

RUBRIEK 12: ECOLOGISCHE INFORMATIE

12.1. Toxiciteit

Product / ingrediënt 2-(2-ethoxyethoxy)ethanol
Soorten: Bacterie
Duur: 16 uur
Resultaat: > 5000 mg/L

Product / ingrediënt 2-(2-ethoxyethoxy)ethanol
Testmethode: OESO 201
Soorten: Algen, Desmodesmus subspicatus
Duur: 96 uur
Test: EC50
Resultaat: >100 mg/L

Product / ingrediënt 2-(2-ethoxyethoxy)ethanol
Testmethode: OESO 202
Soorten: Daphnia magna
Duur: 48 uur
Test: EC50
Resultaat: 1982 mg/L

Product / ingrediënt 2-(2-ethoxyethoxy)ethanol
Testmethode: OESO 203
Soorten: Vis, Ictalurus catus

Duur: 96 uur
Test: LC50
Resultaat: 6010 mg/L

Product / ingrediënt waterstofperoxide
Soorten: Vis, Pimephales promelas
Duur: 96 uur
Test: LC50
Resultaat: 16,4 mg/L

Product / ingrediënt waterstofperoxide
Soorten: Vis, Leuciscus idus
Duur: 72 uur
Test: LC50
Resultaat: 35 mg/L

Product / ingrediënt waterstofperoxide
Soorten: Vis, Oncorhynchus mykiss
Duur: 7 dagen
Test: LC50
Resultaat: 38,5 mg/L

Product / ingrediënt waterstofperoxide
Soorten: Daphnia pulex
Duur: 48 uur
Test: EC50
Resultaat: 2,4 mg/L

Product / ingrediënt waterstofperoxide
Soorten: Daphnia magna
Duur: 24 uur
Test: EC50
Resultaat: 7,7 mg/L

Product / ingrediënt waterstofperoxide
Soorten: Skeletonema costatum
Duur: 72 uur
Test: EC50
Resultaat: 1,38 mg/L

Product / ingrediënt waterstofperoxide
Testmethode: OESO 209
Soorten: Bacterie
Milieucompartiment: Geactiveerde slibinstallatie
Duur: 30 minuten
Test: EC50
Resultaat: 466 mg/L

Product / ingrediënt waterstofperoxide
Testmethode: OESO 209
Soorten: Bacterie
Milieucompartiment: Geactiveerde slibinstallatie
Duur: 3 uur
Test: EC50
Resultaat: > 1.000 mg/L

Product / ingrediënt 1,2-benzisothiazool-3(2H)-on; 1,2-benzisothiazoline-3-on
Soorten: Vis
Duur: 96 uur
Test: LC50
Resultaat: >0.1-1 mg/L

Product / ingrediënt	1,2-benzisothiazool-3(2H)-on; 1,2-benzisothiazoline-3-on
Soorten:	Schaaldier
Duur:	48 uur
Test:	EC50
Resultaat:	>0.1-1 mg/L

Product / ingrediënt	1,2-benzisothiazool-3(2H)-on; 1,2-benzisothiazoline-3-on
Soorten:	Algen
Duur:	72 uur
Test:	EC50
Resultaat:	>0.1-1 mg/L

Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.

12.2. Persistentie en afbreekbaarheid

Product / ingrediënt	2-(2-ethoxyethoxy)ethanol
Resultaat:	100 %
Conclusie:	Gemakkelijk biologisch afbreekbaar
Test:	OESO 301 B

Product / ingrediënt	Alcohol, C13, bran., EO, sulfate Na~
Resultaat:	> 60 %
Conclusie:	Gemakkelijk biologisch afbreekbaar
Test:	OESO 301 B

Product / ingrediënt	waterstofperoxide
Conclusie:	Gemakkelijk biologisch afbreekbaar

Product / ingrediënt	1,2-benzisothiazool-3(2H)-on; 1,2-benzisothiazoline-3-on
Resultaat:	90%
Conclusie:	Gemakkelijk biologisch afbreekbaar
Test:	OECD 302

De oppervlakteactieve stof(fen) in dit preparaat voldoet(n) aan de criteria voor biologische afbreekbaarheid zoals vastgelegd in Verordening (EG) nr. 648/2004 betreffende detergentia. Gegevens ter ondersteuning van deze bewering worden ter beschikking van de bevoegde autoriteiten van de lidstaten gehouden en zullen aan hen beschikbaar worden gesteld na een rechtstreeks verzoek of op verzoek van een producent van detergentia.

12.3. Bioaccumulatie

Product / ingrediënt	2-(2-ethoxyethoxy)ethanol
Conclusie:	Gemakkelijk biologisch afbreekbaar

Product / ingrediënt	2-(2-ethoxyethoxy)ethanol
Conclusie:	-

Product / ingrediënt	waterstofperoxide
LogKow:	-1,57
Conclusie:	-

Product / ingrediënt	1,2-benzisothiazool-3(2H)-on; 1,2-benzisothiazoline-3-on
BCF:	2
LogKow:	1.45
Conclusie:	Bioaccumulatievermogen is laag

12.4. Mobiliteit in de bodem

Geen gegevens beschikbaar.

12.5. Resultaten van PBT- en zPzB-beoordeling

Dit mengsel/product bevat geen stoffen die aan de criteria voldoen om ze als PBT en/of zPzB te classificeren.

12.6. Hormoonontregelende eigenschappen

Dit mengsel/product bevat geen stoffen die worden beschouwd als het hebben van endocrien-verstorende

eigenschappen met betrekking tot het milieu.

12.7. Andere schadelijke effecten

Niet bekend.

RUBRIEK 13: INSTRUCTIES VOOR VERWIJDERING

13.1. Afvalverwerkingsmethoden

Dit product valt onder de wetgeving inzake gevaarlijke afvalstoffen. (*)

HP 4 - Irriterend (huidirritatie en oogletsel)

Verordening (EU) Nr. 1357/2014 van de Commissie van 18 december 2014 betreffende afvalstoffen.

Euracode:

20 01 30

Niet onder 20 01 29 vallende detergents

Verontreinigde emballage

Verpakking met restinhoud van het product wegwerken volgens dezelfde voorwaarden als het product.

RUBRIEK 14: INFORMATIE MET BETREKKING TOT HET VERVOER

	14.1 VN	14.2 Juiste ladingnaam van de VN	14.3 Transportgevaarklasse(n)	14.4 PG*	14.5. Env**	Andere informatie:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Verpakkingsgroep

** Milieugevaren

Overig

Geen gevaarlijke goederen volgens ADR, IATA en IMDG.

14.6. Bijzondere voorzorgen voor de gebruiker

Niet van toepassing.

14.7. Zeevervoer in bulk overeenkomstig IMO-instrumenten

Geen gegevens beschikbaar.

RUBRIEK 15: REGELGEVING

15.1. Specifieke veiligheids-, gezondheids- en milieureglementen en -wetgeving voor de stof of het mengsel

Beperkingen bij gebruik:

Uitsluitend voor gebruik door professionele gebruiker.

Eisen t.o.v. speciale opleidingen:

Geen bijzondere eisen.

SEVESO - Gevaarcategorieën / Gevaarlijke stoffen:

Niet van toepassing.

Verordening van precursoren voor explosieven:

waterstofperoxide (Bijlage I)

Etikettering van de inhoud in overeenstemming met detergentiaverordening EG nr. 648/2004:

>5% - <15%

· Niet-ionogene oppervlakteactieve stoffen

< 5%

· Anionogene oppervlakteactieve stoffen

· Zuurstofbleekmiddelen

· Parfums

- Conserveermiddel (BENZISOTHIAZOLINONE)

Overig:

De oppervlakteactieve stof(fen) in dit preparaat voldoet(n) aan de criteria voor biologische afbreekbaarheid zoals vastgelegd in Verordening (EG) nr. 648/2004 betreffende detergentia. Gegevens ter ondersteuning van deze bewering worden ter beschikking van de bevoegde autoriteiten van de lidstaten gehouden en zullen aan hen beschikbaar worden gesteld na een rechtstreeks verzoek of op verzoek van een producent van detergentia.

Bronnen:

Verordening (EG) nr. 648/2004 van het Europees Parlement en de Raad van 31 maart 2004 betreffende detergentia.

Verordening (EU) Nr. 1357/2014 van de Commissie van 18 december 2014 betreffende afvalstoffen.

Verordening (EU) 2019/1148 van precursoren voor explosieven.

Verordening (EG) nr. 1272/2008 van het Europees Parlement en de Raad van 16 december 2008 betreffende de indeling, etikettering en verpakking van stoffen en mengsels (CLP).

Verordening (EG) nr. 1907/2006 van het Europees Parlement en de Raad van 18 december 2006 inzake de registratie en beoordeling van en de autorisatie en beperkingen ten aanzien van chemische stoffen (REACH).

15.2. Chemischeveiligheidsbeoordeling

Nee

RUBRIEK 16: OVERIGE INFORMATIE

De volledige tekst van de H-zinnen genoemd in rubriek 3

H271, Kan brand of ontploffingen veroorzaken; sterk oxiderend.

H302, Schadelijk bij inslikken.

H314, Veroorzaakt ernstige brandwonden en oogletsel.

H315, Veroorzaakt huidirritatie.

H318, Veroorzaakt ernstig oogletsel.

H319, Veroorzaakt ernstige oogirritatie.

H332, Schadelijk bij inademing.

H335, Kan irritatie van de luchtwegen veroorzaken.

H336, Kan slaperigheid of duizeligheid veroorzaken.

H412, Schadelijk voor in het water levende organismen, met langdurige gevolgen.

Afkortingen en acroniemen

ADN = Europese wetgeving met betrekking tot het vervoer van gevaarlijke goederen over binnewateren

ADR = Europese overeenkomst met betrekking tot het vervoer van gevaarlijke goederen over de weg

ATE = Acute toxiciteitsbeoordeling

BCF = Bioconcentratie Factor

CAS = Chemical Abstracts Service

CE = Conformité européenne

CLP = Indeling, etikettering en verpakking van stoffen en mengsels [Verordening (EG) No. 1272/2008]

CSA = Chemische Veiligheidsbeoordeling

CSR = rapporten over de chemische veiligheid (CSR - Chemical Safety Reports)

DNEL = De afgeleide dosis zonder effect

EAC = Europese Afval Catalogoog

EINECS = European INventory of Existing Commercial Substances

ES = blootstellingsscenario

EUH zin = CLP-specifieke gevaarszin

EuPCS = Europees productindelingssysteem

GHS = Globaal geharmoniseerd systeem voor indeling, kenmerking en etikettering van chemische stoffen en mengsels

GWP = Aardopwarmingsvermogen

IATA = Internationaal Lucht Transport Vereniging

IBC = Tussentijdse bulk container

IMDG = Internationaal Maritiem Transport voor Gevaarlijke goederen

LogPow = Logaritme van de octaan/water partitie coëfficiënt

MARPOL = Internationale conventie voor de preventie van vervuiling door schepen, 1973 en aangepast door het protocol van 1978. ("Marpol" = zee vervuiling)

OESO = Organisatie voor Economische Samenwerking en Ontwikkeling

PBT = Persistent, Bioaccumulatief en Toxisch
PNEC = Voorspelde geen effect concentratie
RID = Regelgeving met betrekking tot het vervoer van gevaarlijke goederen over het spoor
RRN = REACH registratie nummer
SCL = Specifieke concentratielimiet.
SVHC = Zeer zorgwekkende stoffen
STOT-RE = specifieke doelorgaantoxiciteit - herhaalde blootstelling
STOT-SE = specifieke doelorgaantoxiciteit - enkelvoudige blootstelling
TGG = Tijd gewogen gemiddelde
UVBC = Stoffen van onbekende of variabele samenstelling, complexe reactieproducten of biologische materialen.
VN = Verenigde Naties
VOS = Vluchtige Organische Stoffen
zPzB = zeer Persistent en zeer Bioaccumulatief

Overig

Niet van toepassing.

Het veiligheidsinformatieblad is gevalideerd door

Quality & Compliance

Overig

Veranderingen ten opzichte van de vorige belangrijke revisie (eerste cijfer in de SDS-versie, zie rubriek 1) van dit veiligheidsinformatieblad zijn gemarkeerd met een driehoek.
De inlichtingen in dit veiligheidsinformatieblad gelden alleen voor het product genoemd in rubriek 1 en hoeven niet te gelden bij gebruik samen met andere producten.
Het is aan te bevelen dit veiligheidsinformatieblad af te geven aan de eigenlijke gebruiker van het product. De genoemde informatie dient niet als productspecificatie.
Land-taal: NL-nl

SIKKERHETSDATABLAD

i.1 all-purpose cleaner FlexDose

AVSNITT 1: IDENTIFIKASJON AV STOFFET/STOFFBLANDINGEN OG AV SELSKAPET/FORETAKET

1.1. Produktidentifikator

▼ *Handelsnavn:*

i.1 all-purpose cleaner FlexDose

1.2. Relevante identifiserte bruksområder for stoffet eller stoffblandingen og bruk som frarådes

Aktuelle identifiserte anvendelser for stoffet eller blandingen:

Vaske- og rengjøringsmidler (inkludert løsemiddelbasert)
Bare for yrkesbrukere.

Ikke tilrådte anvendelser:

Ingen kjente

1.3. Opplysninger om leverandøren av sikkerhetsdatabladet

Selskapsopplysninger:

Hygeniq B.V.

Postbus 618
7500 AP Enschede
The Netherlands
+31 53 4282860
+31 53 5393865
www.hygeniq.com

E-post:

info@hygeniq.com

Revidert:

27.06.2025

SDS Versjon:

2.0

Dato for forrige utgave:

02.06.2025 (1.0)

1.4. Nødtelefonnummer

Nødsituasjon: Ring 113, be om giftinformasjonen. Åpent 24 timer i døgnet.
Giftinformasjonen på tlf.nr.: +47 22 59 13 00
Se avsnitt 4 om 'Førstehjelpstiltak'

AVSNITT 2: FAREIDENTIFIKASJON

2.1. Klassifisering av stoffet eller stoffblandingen

Ikke klassifisert i henhold til CLP-forskriften.

2.2. Merkingselementer

Farepiktogram:

Ikke relevant.

Varselord:

Ikke relevant.

Faresetninger:

Ikke relevant.

Sikkerhetssetning(er):

Generelt:

-

Forebygging:

-

Tiltak:

-

Oppbevaring:

-

Disponering:

-

Inneholder:

Inneholder ingen opplysningspliktige stoffer

Annen merkning:

EUH210, Sikkerhetsdatablad er tilgjengelig på anmodning.

Etikettering av innhold i overensstemmelse med produktforskriften (gjelder emballasje til vaskemidler som selges til allmennheten):

>5% - <15%

· Ikke-ioniske overflateaktive stoffer

< 5%

· Anioniske overflateaktive stoffer

· Oksygenbaserte blekemidler

· Parfyme

· Konserveringsmiddel (BENZISOTHIAZOLINONE)

2.3. Andre farer

Annet:

Blandingen/produktet inneholder ikke noen stoffer som oppfyller kriteriene som klassifiserer dem som PBT og/eller vPvB.

Produktet inneholder ingen stoffer som er vurdert til å være hormonforstyrrende i henhold til kriteriene i kommisjonens delegerte forordning (EU) 2017/2100 eller kommisjonsforordning (EU) 2023/707.

AVSNITT 3: SAMMENSETNING / OPPLYSNINGER OM BESTANDDELER

3.1. Stoffer

Ikke relevant. Dette produktet er en stoffblanding.

3.2. Stoffblandinger

Produkt/bestanddel	Identifikatorer	% w/w	Klassifisering	Anm.
Alcohol, C13, bran., EO, sulfate Na~	CAS-nr.: 150413-26-6 EF-nr.: 688-316-0 REACH: Indeksnr.:	1-3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 3, H412	
hydrogenperoksidløsning ... %	CAS-nr.: 7722-84-1 EF-nr.: 231-765-0 REACH: 01-2119485845-22-XXXX Indeksnr.: 008-003-00-9	1-3%	Ox. Liq. 1, H271 Acute Tox. 4, H302 Skin Corr. 1A, H314 (SCL: 70,00 %) Skin Corr. 1B, H314 (SCL: 50,00 %) Skin Irrit. 2, H315 (SCL: 35,00 %) Eye Dam. 1, H318 (SCL: 8,00 %)	

			Eye Irrit. 2, H319 (SCL: 5,00 %) Acute Tox. 4, H332 STOT SE 3, H336 (SCL: 35,00 %)	
citroenzuurmonohydraat	CAS-nr.: 5949-29-1 EF-nr.: 611-842-9 REACH: 01-2119457026-42-XXXX Indeksnr.:	<0.1%	Eye Irrit. 2, H319	
Disodium tin hexahydroxide	CAS-nr.: 12027-70-2 EF-nr.: 234-724-5 REACH: 01-2120770924-45-XXXX Indeksnr.:	<0.05%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	[1]

Se avsnitt 16 for de fullstendige H-setningene det vises til ovenfor. Tiltaks- og grenseverdier, hvis tilgjengelig, er oppført i avsnitt 8.

Annen informasjon

[1] EU har en veiledende grenseverdi for stoffet.

AVSNITT 4: FØRSTEHJELPSTILTAK

4.1. Beskrivelse av førstehjelpstiltak

Generelt:

Ved uhell: Kontakt lege eller legevakt - ta med etiketten eller dette sikkerhetsdatabladet.

Ved vedvarende symptomer eller ved tvil om den skaddes tilstand skal det søkes legehjelp. Gi aldri en bevisstløs person vann eller lignende.

Innånding:

Ved pustevansker eller irritasjon i luftveiene: Ta personen ut i frisk luft og hold personen under oppsyn.

Hudkontakt:

Ved irritasjon: vask av produktet. Ved fortsatt irritasjon: Oppsøk lege.

Øyekontakt:

Ved kontakt med øynene: Skyll straks med vann (20-30 °C) i minst 5 minutter. Fjern evt. kontaktlinser. Oppsøk lege.

Svelging:

Hvis personen er ved bevissthet, skyll munnen med vann og hold personen under oppsyn. Gi aldri personen noe å drikke.

Ved illebefinnende: Kontakt lege omgående og ta med dette sikkerhetsdatabladet eller etiketten fra produktet. Ikke fremkall brekninger, med mindre legen anbefaler det. Senk hodet, slik at evt. oppkast ikke vil renne ned i munnen og halsen.

Forbrenning:

Ikke relevant.

4.2. De viktigste symptomene og virkningene, både akutte og forsinkede

Ingen kjente

4.3. Angivelse av om umiddelbar legehjelp og spesialbehandling er nødvendig

Behandles symptomatisk.

Merknader til lege

Ta med dette sikkerhetsdatabladet eller etiketten fra materialet.

AVSNITT 5: BRANNSLOKKINGSTILTAK

5.1. Slokkingsmidler

Ikke relevant.

5.2. Særlige farer knyttet til stoffet eller stoffblandingen

Brann vil utvikle tett røyk. Det kan utgjøre helsefare å bli utsatt for nedbrytningsprodukter. Lukkede beholdere som utsettes for ild, avkjøles med vann. La ikke vann fra brannslukking renne ut i kloakk og vannløp.
Hvis produktet utsettes for høye temperaturer, f.eks. i tilfelle brann, kan det dannes farlige nedbrytningsprodukter.
Disse er:
Karbonoksider (CO / CO₂)

5.3. Råd til brannmannskaper

Ingen spesielle krav.

AVSNITT 6: TILTAK VED UTILSIKTEDE UTSLIPP

6.1. Personlige forsiktighetsregler, personlig verneutstyr og nødrutiner

Sørg for egnet ventilasjon, spesielt i lukkede områder.
Områder med spill kan være glatte.

6.2. Forsiktighetsregler med hensyn til miljø

Unngå utledning til sjøer, bekker, kloakker mm.
Hold uvedkommende borte fra fareområdet.

6.3. Metoder og materialer for oppsamling og rensing

Utslipp begrenses og samles opp med brannfast, absorberende materiale som f.eks. sand, jord, vermikulitt eller kiselgur og has i en beholder for forskriftsmessig avfallshåndtering.
Rengjøring foretas så langt som det er mulig med rengjøringsmidler. Løsemidler bør unngås.

6.4. Henvisning til andre avsnitt

Se avsnitt 13 "Sluttbehandling" om håndtering av avfall.
Se avsnitt 8 "Eksponeringskontroll/personlig verneutstyr" for beskyttelsesforanstaltninger.

AVSNITT 7: HÅNTERING OG LAGRING

7.1. Forsiktighetsregler for sikker håndtering

Røking, inntak av mat og drikke er ikke tillatt i arbeidsområdet.
Se avsnitt 8 'Eksponeringskontroll / personlig verneutstyr' for opplysning om personlig beskyttelse.

7.2. Vilkår for sikker lagring, herunder eventuelle uforenligheter

Åpnede beholdere må lukkes forsvarlig og oppbevares stående for å unngå lekkasje.

Egnet emballasje:

Oppbevares bare i originalemballasjen.

Oppbevaringsbetingelser:

Tørt, kjølig og godt ventilert

Uforenlige materialer:

Sterke syrer, sterke baser, sterke oksideringsmidler og sterke reduksjonsmidler.

7.3. Særlig(e) sluttanvendelse(r)

Dette produktet bør bare brukes til formål som beskrevet i avsnitt 1.2.

AVSNITT 8: EKSPONERINGSKONTROLL / PERSONLIG VERNEUTSTYR

8.1. Kontrollparametere

hydrogenperoksidløsning ... %
Grenseverdi (8 timer) (mg/m³): 1,4
Grenseverdi (8 timer) (ppm): 1

Forskrift om tiltaksverdier og grenseverdier for fysiske og kjemiske faktorer i arbeidsmiljøet samt smitterisikogrupper for biologiske faktorer (forskrift om tiltaks- og grenseverdier). FOR-2011-12-06-1358. Sist endret: FOR-2024-04-05-581.

DNEL

1,2-benzisotiazol-3(2H)-on

Varighet:	Opptaksvei:	DNEL:
Langsiktig – Systemiske effekter - Arbeidere	Dermal	966 µg/kg bw/day
Langsiktig – Systemiske effekter - Befolkningen generelt	Dermal	0.345 mg/kg
Langsiktig – Systemiske effekter - Arbeidere	Innånding	6.81 mg/m ³
Langsiktig – Systemiske effekter - Befolkningen generelt	Innånding	1.2 mg/m ³

Disodium tin hexahydroxide

Varighet:	Opptaksvei:	DNEL:
Langsiktig – Systemiske effekter - Arbeidere	Dermal	3.37 mg/kg bw/day
Langsiktig – Systemiske effekter - Befolkningen generelt	Dermal	1.21 mg/kg bw/day
Langsiktig – Systemiske effekter - Arbeidere	Innånding	11.9 mg/m ³
Langsiktig – Systemiske effekter - Befolkningen generelt	Innånding	1.78 mg/m ³
Langsiktig – Systemiske effekter - Befolkningen generelt	Oral	1.21 mg/kg bw/day

hydrogenperoksidløsning ... %

Varighet:	Opptaksvei:	DNEL:
Kortsiktig – Lokaleffekter - Arbeidere	Innånding	3 mg/m ³
Kortsiktig – Lokaleffekter - Befolkningen generelt	Innånding	1.93 mg/m ³
Langsiktig – Lokaleffekter - Arbeidere	Innånding	1.4 mg/m ³
Langsiktig – Lokaleffekter - Befolkningen generelt	Innånding	0.21 mg/m ³
Langsiktig – Lokaleffekter - Befolkningen generelt	Innånding	210 µg/m ³

PNEC

1,2-benzisotiazol-3(2H)-on

Opptaksvei:	Eksposeringens varighet:	PNEC:
Ferskvann		4.03 µg/L
Ferskvannssediment		49.9 µg/kg
Havvann		403 ng/L
Havvannssediment		4.99 µg/kg
Jord		3 mg/kg
Periodisk utslipp (ferskvann)		1.1 µg/L
Periodisk utslipp (havvann)		110 ng/L
Renseanlegg		1.03 mg/L

Disodium tin hexahydroxide

Opptaksvei:	Eksposeringens varighet:	PNEC:
Ferskvann		33.1 µg/L
Ferskvannssediment		1.395 mg/kg
Havvann		3.31 µg/L
Havvannssediment		139.46 µg/kg
Periodisk utslipp (ferskvann)		331 µg/L
Periodisk utslipp (havvann)		33.1 µg/L
Renseanlegg		10 mg/L

hydrogenperoksidløsning ... %

Opptaksvei:	Eksposeringens varighet:	PNEC:
Ferskvann		0,0126 mg/L
Ferskvann		12.6 µg/L
Ferskvannssediment		0,047 mg/kg
Ferskvannssediment		47 µg/kg
Havvann		0,047 mg/L
Havvann		12.6 µg/L
Havvannssediment		0,047 mg/L
Havvannssediment		47 µg/kg
Jord		0,023 mg/kg
Jord		2.3 µg/kg
Periodisk utslipp (ferskvann)		13.8 µg/L
Renseanlegg		4.66 mg/L
Renseanlegg		4.66 mg/L

8.2. Eksposeringskontroll

Det bør kontrolleres regelmessig at de angitte grenseverdiene overholdes.

Generelt:

Røking, inntak av mat og drikke er ikke tillatt i arbeidsområdet.

Eksposeringsscenarioer:

Ingen eksposeringsscenarioer er implementert for dette produktet.

Eksposeringsgrenser:

Bedriftsrelaterte brukere er omfattet av arbeidsmiljølovgivningens regler om maksimumkonsentrasjoner for eksposering. Se arbeidshygieniske grenseverdier ovenfor.

Tekniske tiltak:

Dannelsen av damp må holdes på et minimum og under den gjeldende grenseverdien (se over). Det anbefales å installere et lokalt utluftingssystem dersom den vanlige luftstrømmen i arbeidsrommet ikke er tilstrekkelig. Sørg for at øyevask og dusj for nødsituasjoner er godt merket.

Følg standard forholdsregler ved bruk av produktet. Unngå inhalering av damp.

Hygieniske tiltak:

Ved hver pause i bruk av produktet og ved arbeidsstans skal eksponerte områder av kroppen vaskes. Vær ekstra nøye med hender, underarmer og ansikt.

Begrensning av eksposering av miljøet:

Ingen spesielle krav.

Individuelle vernetiltak

Generelt:

Benytt utelukkende CE-merket verneutstyr.

Åndedrettsvern:

Type	Klasse	Farge	Standarder	
Ingen spesielle ved normal tilsiktet bruk.				

Kroppsværn:

Anbefalt	Type/Kategori	Standarder	
Ingen spesielle ved normal tilsiktet bruk.	-	-	

Håndvern:

Arbeidssituasjon	Materiale	Hanskeykkelse (mm)	Gjennomtrengningstid (min.)	Standarder	
	Ingen spesielle ved normal tilsiktet bruk	-	-	-	
Ved langvarig eksponering eller høye konsentrasjoner	Bomull / Naturgummi (lateks)	-	> 120	EN374-2, EN16523-1, EN388	

Øyevern:

Arbeidssituasjon	Type	Standarder	
	Ingen spesielle ved normal tilsiktet bruk.	-	
Ved langvarig eksponering eller høye konsentrasjoner	Bruk beskyttelsesbriller med sideskjold.	EN166	

AVSNITT 9: FYSISKE OG KJEMISKE EGENSKAPER

9.1. Opplysninger om grunnleggende fysiske og kjemiske egenskaper

Tilstandsform:

Væske

Farge:

Fargeløs

Lukt / Luktterskel (ppm):

Parfymert

pH:

ca. 4.8

Tetthet (g/cm³):

1,02 (20 °C)

Kinematisk viskositet:

Ingen data tilgjengelige.

Partikkelegenskaper:

Ikke relevant - produktet er en væske

Tilstandsending og damptrykk

Smeltepunkt/Frysepunkt (°C):

Ingen data tilgjengelige.

Bløtgjøringspunkt / -område (°C):

Ikke relevant - produktet er en væske

Kokepunkt (°C):

Ingen data tilgjengelige.

Damptrykk:

Ingen data tilgjengelige.

Relativ damptetthet:

Ingen data tilgjengelige.

Spaltingstemperatur (°C):

Ingen data tilgjengelige.

Data for brann- og eksplosjonsfarer

Flammepunkt (°C):

Ingen data tilgjengelige.

Antennelighet (°C):

Ingen data tilgjengelige.

Selvantennelsestemperatur (°C):

Ingen data tilgjengelige.

Nedre og øvre eksplosjonsgrense (% v/v):

Ingen data tilgjengelige.

Løselighet

Løselighet i vann:

Fullt oppløselig

Fordelingskoeffisient (n-octanol/vann) (LogKow):

Ingen data tilgjengelige.

Løselighet i fett (g/L):

Ingen data tilgjengelige.

9.2. Andre opplysninger

Andre fysiske og kjemiske parametere:

Ingen data tilgjengelige.

Oksiderende egenskaper:

Ingen data tilgjengelige.

AVSNITT 10: STABILITET OG REAKTIVITET

10.1. Reaktivitet

Ingen data tilgjengelige.

10.2. Kjemisk stabilitet

Produktet er stabilt under de betingelsene som er angitt i avsnitt 7 om "Håndtering og lagring".

10.3. Risiko for farlige reaksjoner

Ingen kjente

10.4. Forhold som skal unngås

Ingen kjente

10.5. Uforenlige materialer

Sterke syrer, sterke baser, sterke oksideringsmidler og sterke reduksjonsmidler.

10.6. Farlige nedbrytningsprodukter

Under normale oppbevarings- og bruksforhold skal det ikke kunne dannes farlige nedbrytningsprodukter.

AVSNITT 11: TOKSIKOLOGISKE OPPLYSNINGER

11.1. Opplysninger om fareklasser som definert i forordning (EF) nr. 1272/2008

Akutt giftighet

Produkt/bestanddel	hydrogenperoksidløsning ... %
Art:	Rotte
Opptaksvei:	Oral
Test:	LD50
Resultat:	1.193 - 1.270 mg/L

Produkt/bestanddel	hydrogenperoksidløsning ... %
Art:	Kanin
Opptaksvei:	Dermal
Test:	LD50
Resultat:	>2.000 (35% oppløsning) mg/kg

Produkt/bestanddel	1,2-benzisotiazol-3(2H)-on
Art:	Rotte
Opptaksvei:	Oral
Test:	LD50
Resultat:	500 mg/kg

Basert på tilgjengelige data er klassifiseringskriteriene ikke oppfylt.

Hudetsing/hudirritasjon

Produkt/bestanddel	hydrogenperoksidløsning ... %
Resultat:	Negative effekter observert (Irritasjon)

Produkt/bestanddel	1,2-benzisotiazol-3(2H)-on
Testmetode:	OECD 404
Resultat:	Negative effekter observert (Irritasjon)

Basert på tilgjengelige data er klassifiseringskriteriene ikke oppfylt.

Alvorlig øyeskade/øyeirritasjon

Produkt/bestanddel	hydrogenperoksidløsning ... %
Resultat:	Negative effekter observert (Gir alvorlig øyeskade)

Produkt/bestanddel	1,2-benzisotiazol-3(2H)-on
Testmetode:	OECD 405
Resultat:	Negative effekter observert (Gir alvorlig øyeskade)

Basert på tilgjengelige data er klassifiseringskriteriene ikke oppfylt.

Sensibilisering ved innånding

Produkt/bestanddel	hydrogenperoksidløsning ... %
Resultat:	Ingen negative effekter observert (ikke sensibiliserende)

Basert på tilgjengelige data er klassifiseringskriteriene ikke oppfylt.

Sensibilisering ved hudkontakt

Produkt/bestanddel	1,2-benzisotiazol-3(2H)-on
Testmetode:	OECD 429
Art:	Mus
Resultat:	Negative effekter observert (sensibiliserende)

Produkt/bestanddel	1,2-benzisotiazol-3(2H)-on
Testmetode:	OECD 406
Art:	Marsvin
Resultat:	Negative effekter observert (sensibiliserende)

Basert på tilgjengelige data er klassifiseringskriteriene ikke oppfylt.

Arvestoffskadelig virkning på kjønnseller

Basert på tilgjengelige data er klassifiseringskriteriene ikke oppfylt.

Kreftframkallende egenskaper

Produkt/bestanddel	hydrogenperoksidløsning ... %
Konklusjon:	Ingen negative effekter observert

Basert på tilgjengelige data er klassifiseringskriteriene ikke oppfylt.

Reproduksjonstoksisitet

Produkt/bestanddel	hydrogenperoksidløsning ... %
Konklusjon:	Ingen negative effekter observert

Basert på tilgjengelige data er klassifiseringskriteriene ikke oppfylt.

STOT, enkelteksponering

Basert på tilgjengelige data er klassifiseringskriteriene ikke oppfylt.

STOT, gjentatt eksponering

Basert på tilgjengelige data er klassifiseringskriteriene ikke oppfylt.

Aspirasjonsfare

Produkt/bestanddel hydrogenperoksidløsning ... %
Basert på tilgjengelige data er klassifiseringskriteriene ikke oppfylt.

11.2. Opplysninger om andre farer

Langsiktige virkninger

Ingen kjente

Hormonforstyrrende egenskaper

Blandingen/produktet inneholder ingen stoffer som anses å ha hormonforstyrrende egenskaper som kan påvirke helsen.

Andre opplysninger

hydrogenperoksidløsning ... %: Dette stoffet har blitt klassifisert som kreftfremkallende i gruppe 3 av IARC.

AVSNITT 12: ØKOLOGISKE OPPLYSNINGER

12.1. Giftighet

Produkt/bestanddel hydrogenperoksidløsning ... %
Art: Fisk, Pimephales promelas
Varighet: 96 timer
Test: LC50
Resultat: 16,4 mg/L

Produkt/bestanddel hydrogenperoksidløsning ... %
Art: Fisk, Leuciscus idus
Varighet: 72 timer
Test: LC50
Resultat: 35 mg/L

Produkt/bestanddel hydrogenperoksidløsning ... %
Art: Fisk, Oncorhynchus mykiss
Varighet: 7 dager
Test: LC50
Resultat: 38,5 mg/L

Produkt/bestanddel hydrogenperoksidløsning ... %
Art: Daphnia pulex
Varighet: 48 timer
Test: EC50
Resultat: 2,4 mg/L

Produkt/bestanddel hydrogenperoksidløsning ... %
Art: Daphnia magna
Varighet: 24 timer
Test: EC50
Resultat: 7,7 mg/L

Produkt/bestanddel hydrogenperoksidløsning ... %
Art: Skeletonema costatum
Varighet: 72 timer
Test: EC50
Resultat: 1,38 mg/L

Produkt/bestanddel hydrogenperoksidløsning ... %
Testmetode: OECD 209
Art: Bakterie
Miljø: Aktivert slammanlegg
Varighet: 30 minutes
Test: EC50
Resultat: 466 mg/L

Produkt/bestanddel	hydrogenperoksidløsning ... %
Testmetode:	OECD 209
Art:	Bakterie
Miljø:	Aktivert slamlegg
Varighet:	3 timer
Test:	EC50
Resultat:	> 1.000 mg/L

Produkt/bestanddel	1,2-benzisotiazol-3(2H)-on
Art:	Fisk
Varighet:	96 timer
Test:	LC50
Resultat:	>0.1-1 mg/L

Produkt/bestanddel	1,2-benzisotiazol-3(2H)-on
Art:	Krepsdyr
Varighet:	48 timer
Test:	EC50
Resultat:	>0.1-1 mg/L

Produkt/bestanddel	1,2-benzisotiazol-3(2H)-on
Art:	Alge
Varighet:	72 timer
Test:	EC50
Resultat:	>0.1-1 mg/L

Basert på tilgjengelige data er klassifiseringskriteriene ikke oppfylt.

12.2. Persistens og nedbrytbarhet

Produkt/bestanddel	Alcohol, C13, bran., EO, sulfat Na~
Resultat:	> 60 %
Konklusjon:	God biologisk nedbrytbarhet
Test:	OECD 301 B

Produkt/bestanddel	hydrogenperoksidløsning ... %
Konklusjon:	God biologisk nedbrytbarhet

Produkt/bestanddel	1,2-benzisotiazol-3(2H)-on
Resultat:	90%
Konklusjon:	God biologisk nedbrytbarhet
Test:	OECD 302

Tensidet(ene) som inngår i denne blandingen oppfyller kriteriene for biologisk nedbrytning i Forskrift 1. juni 2004 nr. 922 om begrensning i bruk av helse- og miljøfarlige kjemikalier og andre produkter (produktforskriften) (EU regulativ nr. 648/2004). Data som underbygger denne påstanden er tilgjengelige for medlemsstatenes rette myndighet og vil bli gjort tilgjengelige for dem ved direkte forespørsel, eller på forespørsel fra en produsent av vaske- og rengjøringsmidler.

12.3. Bioakkumuleringsevne

Produkt/bestanddel	hydrogenperoksidløsning ... %
LogKow:	-1,57
Konklusjon:	-

Produkt/bestanddel	1,2-benzisotiazol-3(2H)-on
BCF:	2
LogKow:	1.45
Konklusjon:	Potensialet for bioakkumulering er lite

12.4. Mobilitet i jord

Ingen data tilgjengelige.

12.5. Resultater av PBT- og vPvB-vurdering

Blandingen/produktet inneholder ikke noen stoffer som oppfyller kriteriene som klassifiserer dem som PBT og/eller vPvB.

12.6. Hormonforstyrrende egenskaper

Blandingen/produktet inneholder ingen stoffer som anses å ha hormonforstyrrende egenskaper som kan påvirke miljøet.

12.7. Andre skadevirkninger

Ingen kjente

AVSNITT 13: SLUTTBEHANDLING

13.1. Avfallsbehandlingsmetoder

Dette produktet er omfattet av regelverket om farlig avfall. (*)

HP 4 Irriterende (hudirritasjon og øyeskader)

Fraråde tømming i avløp.

Forskrift 1. juni 2004 nr. 930 om gjenvinning og behandling av avfall (avfallsforskriften).

Avfallskode EAL:

20 01 30

Andre rengjøringsmidler enn dem nevnt i 20 01 29

Forurenset emballasje

Emballasje med restinnhold av produktet skal avhendes etter samme bestemmelser som produktet.

AVSNITT 14: TRANSPORTOPPLYSNINGER

	14.1 FN- eller ID-nummer	14.2 FN-forsendelsesnavn	14.3 Transportfareklasse(r)	14.4 Emballasje- gruppe	14.5 Miljøfarer	Annen informasjon:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

Annen informasjon

Ikke farlig gods i henhold til ADR, IATA og IMDG.

14.6. Særlige forsiktighetsregler ved bruk

Ikke relevant.

14.7. Sjøtransport i bulk i henhold til IMO-instrumenter

Ingen data tilgjengelige.

AVSNITT 15: OPPLYSNINGER OM REGELVERK

15.1. Særlige bestemmelser / særskilt lovgivning om sikkerhet, helse og miljø for stoffet eller stoffblandingen

Anvendelsesbegrensninger:

Bare for yrkesbrukere.

Krav om særlig utdanning:

Ingen spesielle krav.

SEVESO - Farekategorier / spesifiserte farlige kjemikalier:

Ikke relevant.

Forskrift om håndtering av utgangsstoffer for eksplosiver:

hydrogenperoksidløsning ... % (Tillegg I)

Etikettering av innhold i overensstemmelse med produktforskriften:

- >5% - <15%
- Ikke-ioniske overflateaktive stoffer
- < 5%
- Anioniske overflateaktive stoffer
- Oksygenbaserte blekemidler
- Parfyme
- Konserveringsmiddel (BENZISOTHIAZOLINONE)

Deklarering av kjemikalier:

Produktet er registreringspliktig i produktregisteret, fordi det inneholder utgangsstoffer for eksplosiver.

Annen informasjon:

Tensidet(ene) som inngår i denne blandingen oppfyller kriteriene for biologisk nedbrytning i Forskrift 1. juni 2004 nr. 922 om begrensning i bruk av helse- og miljøfarlige kjemikalier og andre produkter (produktforskriften) (EU regulativ nr. 648/2004). Data som underbygger denne påstanden er tilgjengelige for medlemsstatenes rette myndighet og vil bli gjort tilgjengelige for dem ved direkte forespørsel, eller på forespørsel fra en produsent av vaske- og rengjøringsmidler.

Kilder:

EUROPAPARLAMENTS- OG RÅDSFORORDNING (EF) nr. 648/2004 av 31. mars 2004 om vaske- og rengjøringsmidler
Forskrift 1. juni 2004 nr. 930 om gjenvinning og behandling av avfall (avfallsforskriften).
Forskrift 2. mai 2015 nr. 588 om håndtering av utgangsstoffer for eksplosiver.
Forskrift 19. mai 2015 nr. 541 om deklarerer av kjemikalier til produktregisteret (deklareringsforskriften).
Forskrift 16. juni 2012 nr. 622 om klassifisering, merking og emballering av stoffer og stoffblandinger (CLP-forskriften).
Forskrift 30. mai 2008 nr. 516 om registrering, vurdering, godkjenning og begrensning av kjemikalier (REACH-forskriften).

15.2. Vurdering av kjemikaliesikkerhet

Nei

AVSNITT 16: ANDRE OPPLYSNINGER

Fullstendig tekst for H-setninger som det refereres til i avsnitt 3

H271, Kan forårsake brann eller eksplosjon; sterkt oksiderende.
H302, Farlig ved svelging.
H314, Gir alvorlige etseskader på hud og øyne.
H315, Irriterer huden.
H318, Gir alvorlig øyeskade.
H319, Gir alvorlig øyeirritasjon.
H332, Farlig ved innånding.
H335, Kan forårsake irritasjon av luftveiene.
H336, Kan forårsake døsighet eller svimmelhet.
H412, Skadelig, med langtidsvirkning, for liv i vann.

Forkortelser og akronymer

ADN/ADNR = Europeisk avtale om internasjonal transport av farlig gods på innenlands vannveier
ADR = Forskrift 1. april 2009 om landtransport av farlig gods
ATE = Akutt toksisitets estimat
BCF = Biokonsentrasjons faktor
CAS = Chemical Abstracts Service
CE = Conformité Européenne
CLP = Klassifisering, merking og innpakning
CSA = Kjemisk sikkerhetsvurdering
CSR = Kjemisk sikkerhetsrapport
DMEL = Oppnådd minimalt effekt nivå
DNEL = Oppnådd ingen effekt nivå
EINECS = Fortegnelse over eksisterende kommersielle kjemiske substanser
ES = Eksponeringsscenario
EUH statement = CLP-spesifikk fareerklæring
EuPCS = Europeisk produktkategoriseringssystem

EWC = Europeisk Avfallskatalog
GHS = Globalt Harmonisert System for Klassifisering og Merking av Kjemikalier
GWP = Potensial for global oppvarming
IATA/ICAO = Internasjonal lufttransport Forening
IBC = Middels Bulk Kontainer
IMDG = Internasjonal Maritim Farlig Gods
LogPow = Logaritmen til fordelingskoeffisienten for oktanol / vann
MARPOL 73/78 = Den Internasjonale Konvensjonen til Forhindring av Marin Forurensning fra Skip, 1973, modifisert i 1978
OECD = Organisasjonen for økonomisk samarbeid og utvikling
PBT = Persistent, Bioakkumulerbar og Giftig
PNEC = Forutsatt ingen effekt konsentrasjon
RID = Forskrift 1. april 2009 om landtransport av farlig gods
RRN = REACH registrerings nummer
SCL = Spesifikk konsentrasjonsgrense.
SVHC = Stoffer med meget høy viktighet
STOT-RE = Giftig mot spesifikt målorgan - Gjentatt eksponering
STOT-SE = Giftig mot spesifikt målorgan - Enkel eksponering
TWA = Tidsvektet gjennomsnittlig
UN = Forenede Nasjoner
UVBC = Ukjent eller variabel sammensetning, komplekse reaksjonsprodukter eller biologiske materialer.
VOC = Flyktig organisk forbindelse
vPvB = Meget persistente og meget bioakkumulerende

Annen informasjon

Ikke relevant.

Sikkerhetsdatablad er validert av

Quality & Compliance

Annet

Endringer i forhold til siste vesentlige revisjon (første siffer i SDS-versjon, se avsnitt 1) av dette sikkerhetsdatablad er markert med en trekant.
Opplysningene i dette sikkerhetsdatabladet gjelder kun produktet nevnt i avsnitt 1 og er ikke nødvendigvis gjeldende ved bruk sammen med andre produkter.
Det anbefales å utlevere dette sikkerhetsdatabladet til den faktiske bruker av produktet. Den nevnte informasjonen kan ikke brukes som produktspesifikasjon.
Land-språk: NO-nb

SAFETY DATA SHEET

i.1 all-purpose cleaner FlexDose

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product identifier

▼ *Trade name:*
i.1 all-purpose cleaner FlexDose

Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses of the substance or mixture:
Washing and cleaning products (including solvent based products)
Restricted to professional users.

Uses advised against :
None known.

Details of the supplier of the safety data sheet

Company and address:
Hygeniq B.V.
Postbus 618
7500 AP Enschede
The Netherlands
+31 53 4282860
+31 53 5393865
www.hygeniq.com

E-mail:
info@hygeniq.com

SDS date:
27/06/2025

SDS Version:
2.0

Date of previous version:
2/06/2025 (1.0)

Emergency telephone number

National Poisons Centre: 0800 764 766 (24 hour service)
See also section 4 "First aid measures"

SECTION 2: HAZARDS IDENTIFICATION

Classification of the substance or mixture

Not classified according to the Hazardous Substances (Hazard Classification) Notice.

Label elements

Hazard pictogram(s):
Not applicable.

Signal word:
Not applicable.

Hazard statement(s):

Not applicable.

Precautionary statement(s):

General:

-

Prevention:

-

Response:

-

Storage:

-

Disposal:

-

Hazardous substances:

Does not contain any substances required to report

Additional labelling:

Not applicable.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Substances

Not applicable. This product is a mixture.

Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
Alcohol, C13, bran., EO, sulfate Na~	CAS No.: 150413-26-6 EC No.: 688-316-0	1-3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 3, H412	
hydrogen peroxide	CAS No.: 7722-84-1 EC No.: 231-765-0	1-3%	Ox. Liq. 1, H271 Acute Tox. 4, H302 Skin Corr. 1A, H314 (SCL: 70.00 %) Skin Corr. 1B, H314 (SCL: 50.00 %) Skin Irrit. 2, H315 (SCL: 35.00 %) Eye Dam. 1, H318 (SCL: 8.00 %) Eye Irrit. 2, H319 (SCL: 5.00 %) Acute Tox. 4, H332 STOT SE 3, H336 (SCL: 35.00 %)	
citroenzuurmonohydraat	CAS No.: 5949-29-1 EC No.: 611-842-9	<0.1%	Eye Irrit. 2, H319	

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information

-

SECTION 4: FIRST AID MEASURES

Description of first aid measures

General information:

In the case of accident: Contact a doctor or casualty department – bring the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

Inhalation:

In case of discomfort: bring the person into fresh air.

Skin contact:

Upon irritation: rinse with water. In the event of continued irritation, seek medical assistance.

Eye contact:

Rinse gently with lukewarm water. Remove any contact lenses if this is easy to do. Continue rinsing. In case of persistent eye irritation or discomfort: Seek medical help.

Ingestion:

Rinse and flush mouth thoroughly and consume large quantities of water. In case of continued discomfort: seek medical assistance and bring this safety data sheet.

Burns:

Not applicable.

Most important symptoms and effects, both acute and delayed

None known.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

Information to medics

Bring this safety data sheet or the label from this product.

SECTION 5: FIREFIGHTING MEASURES

Extinguishing media

Not applicable.

Special hazards arising from the substance or mixture

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

Carbon oxides (CO / CO₂)

Advice for firefighters

No specific requirements.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation, especially in confined areas.

Contaminated areas may be slippery.

Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.

Keep unauthorized persons away from the spill

Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

Reference to other sections

See section 13 "Disposal considerations" on handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling

Smoking, drinking and consumption of food is not allowed in the work area.
See section 8 "Exposure controls/personal protection" for information on personal protection.

Conditions for safe storage, including any incompatibilities

Recommended storage material:

Keep only in original packaging.

Storage conditions:

Dry, cool and well ventilated

Incompatible materials:

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

Specific end use(s)

This product should only be used for applications quoted in section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

hydrogen peroxide

Long term exposure limit (8 hours) (ppm): 1

Long term exposure limit (8 hours) (mg/m³): 1.4

Workplace exposure standards and biological exposure indices. Edition 14, November 2023.

Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

General recommendations:

Smoking, drinking and consumption of food is not allowed in the work area.

Exposure scenarios:

There are no exposure scenarios implemented for this product.

Exposure limits:

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

Appropriate technical measures:

The formation of vapours must be kept at a minimum and below current limit values (see above). Installation of a local exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure eyewash and emergency showers are clearly marked.

Apply standard precautions during use of the product. Avoid inhalation of vapours.

Hygiene measures:

Wash hands after use.

Measures to avoid environmental exposure:

No specific requirements.

Individual protection measures, such as personal protective equipment

Generally:

Use only protective equipment that have been approved by IANZ or NATA, or a laboratory accredited under a recognised Mutual Recognition Arrangement.

Respiratory Equipment:

Type	Class	Colour	Standards	
No special when used				

Type	Class	Colour	Standards	
as intended.				

Skin protection:

Recommended	Type/Category	Standards	
No special when used as intended.	-	-	

Hand protection:

Work situation	Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
	No special when used as intended	-	-	-	
In the event of prolonged exposure or high concentrations	Cotton/Latex	-	> 120	EN374-2, EN16523-1, EN388	

Eye protection:

Work situation	Type	Standards	
	No special when used as intended.	-	
In the event of prolonged exposure or high concentrations	Safety glasses with side shields.	EN166	

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Form:

Liquid

Colour:

Colourless

Odour:

Of perfume

Odour threshold (ppm):

No data available.

pH:

ca. 4.8

Density (g/cm³):

1.02 (20 °C)

Kinematic viscosity:

No data available.

Phase changes

Melting point/Freezing point (°C):

No data available.

Softening point/range (°C):

Does not apply to liquids.

Boiling point (°C):

No data available.

Vapour pressure:

No data available.

Relative vapour density:

No data available.

Decomposition temperature (°C):

No data available.

Evaporation rate (n-butylacetate = 100):

Data on fire and explosion hazards

Flash point (°C):

No data available.

Flammability (°C):

No data available.

Auto-ignition temperature (°C):

No data available.

Explosion limits (% v/v):

No data available.

Solubility

Solubility in water:

Completely soluble

n-octanol/water coefficient (LogKow):

No data available.

Solubility in fat (g/L):

No data available.

Other information

Other physical and chemical parameters:

No data available.

Oxidizing properties:

No data available.

SECTION 10: STABILITY AND REACTIVITY

Reactivity

No data available.

Chemical stability

The product is stable under the conditions, noted in section 7 "Handling and storage".

Possibility of hazardous reactions

None known.

Conditions to avoid

None known.

Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity

Product/substance	hydrogen peroxide
Species:	Rat
Route of exposure:	Oral
Test:	LD50

Result: 1.193 - 1.270 mg/L

Product/substance: hydrogen peroxide
Species: Rabbit
Route of exposure: Dermal
Test: LD50
Result: >2.000 (35% oplossing) mg/kg

Product/substance: 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Species: Rat
Route of exposure: Oral
Test: LD50
Result: 500 mg/kg

Based on available data, the classification criteria are not met.

Skin corrosion/irritation

Product/substance: hydrogen peroxide
Result: Adverse effect observed (Irritating)

Product/substance: 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Test method: OECD 404
Result: Adverse effect observed (Irritating)

Based on available data, the classification criteria are not met.

Serious eye damage/irritation

Product/substance: hydrogen peroxide
Result: Adverse effect observed (Causes serious eye damage)

Product/substance: 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Test method: OECD 405
Result: Adverse effect observed (Causes serious eye damage)

Based on available data, the classification criteria are not met.

Respiratory sensitisation

Product/substance: hydrogen peroxide
Result: No adverse effect observed (not sensitising)

Based on available data, the classification criteria are not met.

Skin sensitisation

Product/substance: 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Test method: OECD 429
Species: Mouse
Result: Adverse effect observed (sensitising)

Product/substance: 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Test method: OECD 406
Species: Guinea pig
Result: Adverse effect observed (sensitising)

Based on available data, the classification criteria are not met.

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Product/substance: hydrogen peroxide
Conclusion: No adverse effect observed

Based on available data, the classification criteria are not met.
hydrogen peroxide has been classified by IARC as a group 3 carcinogen.

Reproductive toxicity

Product/substance: hydrogen peroxide

Conclusion: No adverse effect observed

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Product/substance hydrogen peroxide

Based on available data, the classification criteria are not met.

Long term effects

None known.

SECTION 12: ECOLOGICAL INFORMATION

Toxicity

Product/substance hydrogen peroxide
Species: Fish, Pimephales promelas
Duration: 96 hours
Test: LC50
Result: 16,4 mg/L

Product/substance hydrogen peroxide
Species: Fish, Leuciscus idus
Duration: 72 hours
Test: LC50
Result: 35 mg/L

Product/substance hydrogen peroxide
Species: Fish, Oncorhynchus mykiss
Duration: 7 days
Test: LC50
Result: 38,5 mg/L

Product/substance hydrogen peroxide
Species: Daphnia pulex
Duration: 48 hours
Test: EC50
Result: 2,4 mg/L

Product/substance hydrogen peroxide
Species: Daphnia magna
Duration: 24 hours
Test: EC50
Result: 7,7 mg/L

Product/substance hydrogen peroxide
Species: Skeletonema costatum
Duration: 72 hours
Test: EC50
Result: 1,38 mg/L

Product/substance hydrogen peroxide
Test method: OECD 209
Species: Bacteria
Compartment: Activated Sludge Plant
Duration: 30 minutes
Test: EC50

Conforms to the Hazardous Substances (Safety Data Sheets) Notice 2017

Result: 466 mg/L

Product/substance: hydrogen peroxide
Test method: OECD 209
Species: Bacteria
Compartment: Activated Sludge Plant
Duration: 3 hours
Test: EC50
Result: > 1.000 mg/L

Product/substance: 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Species: Fish
Duration: 96 hours
Test: LC50
Result: >0.1-1 mg/L

Product/substance: 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Species: Crustacean
Duration: 48 hours
Test: EC50
Result: >0.1-1 mg/L

Product/substance: 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Species: Algae
Duration: 72 hours
Test: EC50
Result: >0.1-1 mg/L

Based on available data, the classification criteria are not met.

Persistence and degradability

Product/substance: Alcohol, C13, bran., EO, sulfate Na~
Result: > 60 %
Conclusion: Readily biodegradable
Test: OECD 301 B

Product/substance: hydrogen peroxide
Conclusion: Readily biodegradable

Product/substance: 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Result: 90%
Conclusion: Readily biodegradable
Test: OECD 302

Bioaccumulative potential

Product/substance: hydrogen peroxide
LogKow: -1,57
Conclusion: -

Product/substance: 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
BCF: 2
LogKow: 1.45
Conclusion: Potential for bioaccumulation is low

Mobility in soil

No data available.

Results of PBT and vPvB assessment

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

Other adverse effects

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

Dispose of contents/container to an approved waste disposal plant.

Specific labelling

Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: TRANSPORT INFORMATION

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Packing group

** Environmental hazards

Additional information

Not dangerous goods according to ADR, IATA and IMDG.

Special precautions for user

Not applicable.

Transport in bulk according to Annex II of Marpol and the IBC Code

No data available.

SECTION 15: REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

Restrictions for application:

Restricted to professional users.

Demands for specific education:

No specific requirements.

Control of major hazard facilities:

Not applicable.

Additional information:

Not applicable.

New Zealand Inventory of Chemicals (NZIoC):

hydrogen peroxide is listed

1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one is listed

Sources:

Hazardous Substances (Hazard Classification) Notice 2020

Hazardous Substances and New Organisms Act 1996

Chemical safety assessment

No

SECTION 16: OTHER INFORMATION

Full text of H-phrases as mentioned in section 3

H271, May cause fire or explosion; strong oxidiser.
H302, Harmful if swallowed.
H314, Causes severe skin burns and eye damage.
H315, Causes skin irritation.
H318, Causes serious eye damage.
H319, Causes serious eye irritation.
H332, Harmful if inhaled.
H336, May cause drowsiness or dizziness.
H412, Harmful to aquatic life with long lasting effects.

The full text of identified uses as mentioned in section 1

None known.

Abbreviations and acronyms

AS/NZS = Australian New Zealand Standard
ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
CAS = Chemical Abstracts Service
EINECS = European Inventory of Existing Commercial chemical Substances
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
Hazchem = Hazardous chemicals
HSNO = Hazardous Substances and New Organisms Act
IANZ = International Accreditation New Zealand
IARC = International Agency for Research on Cancer
IATA = International Air Transport Association
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
NATA = National Association of Testing Authorities
NZIoC = New Zealand Inventory of Chemicals
OECD = Organisation for Economic Co-operation and Development
PBT = Persistent, Bioaccumulative and Toxic
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
SCL = A specific concentration limit
STEL = Short-term exposure limits
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
STOT-SE = Specific Target Organ Toxicity - Single Exposure
TWA = Time weighted average
UN = United Nations
UVBC = Unknown or variable composition, complex reaction products or of biological materials
VOC = Volatile Organic Compound
vPvB = Very Persistent and Very Bioaccumulative

Additional information

Not applicable.

The safety data sheet is validated by

Quality & Compliance

Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

Country-language: NZ-en

KARTA CHARAKTERYSTYKI

i.1 all-purpose cleaner FlexDose

SEKCJA 1: IDENTYFIKACJA SUBSTANCJI/MIESZANINY I IDENTYFIKACJA PRZEDSIĘBIORSTWA

1.1. Identyfikator produktu

▼ *Nazwa handlowa:*

i.1 all-purpose cleaner FlexDose

1.2. Istotne zidentyfikowane zastosowania substancji lub mieszaniny oraz zastosowania odradzane

Istotne zidentyfikowane zastosowania substancji lub mieszaniny:

Detergenty i środki czyszczące (w tym na bazie rozpuszczalników)

Produkt przeznaczony wyłącznie do użytku zawodowego.

Zastosowania odradzane :

Nie są znane.

1.3. Dane dotyczące dostawcy karty charakterystyki

Dostawca:

Hygieniq B.V.

Postbus 618

7500 AP Enschede

The Netherlands

+31 53 4282860

+31 53 5393865

www.hygieniq.com

Adres email:

info@hygieniq.com

Aktualizacja:

27.06.2025

Wersja karty charakterystyki:

2.0

Data poprzedniego wydania:

2.06.2025 (1.0)

1.4. Numer telefonu alarmowego

Ośrodki zatruć.

Gdańsk: Pomorskie Centrum Toksykologii. Tel: (48) 58 682 04 04

Kraków: Centrum Informacji Toksykologicznej. Tel: (48) 12 411 99 99

Łódź: Krajowe Centrum Informacji o Truciznach. Tel: (48) 42 63 14 724

Warszawa: Warszawskie Centrum Informacji i Kontroli Zatruć. Tel: (48) 22 619 66 54

Wrocław: Dolnośląskie Centrum Informacji Toksykologicznej i Toksykologicznej. Tel: (48) 71 306 44 19

*Europejski numer alarmowy : 112

Patrz sekcja 4 o środkach pierwszej pomocy.

SEKCJA 2: IDENTYFIKACJA ZAGROŻEŃ

2.1. Klasyfikacja substancji lub mieszaniny

Nie sklasyfikowany według rozporządzenia (EC) Nr 1272/2008 (CLP).

2.2. Elementy oznakowania

Piktogram(y) zagrożenia:

Nie dotyczy.

Hasło ostrzegawcze:

Nie dotyczy.

Zwrot wskazujący rodzaj zagrożenia:

Nie dotyczy.

Zwroty wskazujące środki ostrożności:

Ogólne:

-

Zapobieganie:

-

Reagowanie:

-

Przechowywanie:

-

Usuwanie:

-

Zawiera następujące substancje odpowiedzialne za ryzyko zagrożenia zdrowia:

Nie zawiera żadnych substancji objętych nakazem zgłaszania

Informacje uzupełniające na etykiecie:

EUH210, Karta charakterystyki dostępna na żądanie.

Oznakowanie zawartości zgodnie z Rozporządzeniem nr 648/2004 w sprawie detergentów (dotyczy opakowań detergentów przeznaczonych do powszechnego użytku):

>5% - <15%

· Niejonowe środki powierzchniowo czynne

< 5%

· Anionowe środki powierzchniowo czynne

· Związki wybielające na bazie tlenu

· Kompozycje zapachowe

· Środek konserwujący (BENZISOTHIAZOLINONE)

2.3. Inne zagrożenia

Inne ostrzeżenia:

Mieszanina/produkt ten nie zawiera żadnej substancji spełniającej kryteria klasyfikacji jako PBT lub vPvB.

Ten produkt nie zawiera żadnych substancji uważanych za substancje zaburzające gospodarkę hormonalną zgodnie z kryteriami określonymi w Rozporządzeniu Delegowanym Komisji (UE) 2017/2100 lub Rozporządzeniu Komisji (UE) 2023/707.

SEKCJA 3: SKŁAD/INFORMACJA O SKŁADNIKACH

3.1. Substancje

Nie dotyczy. Produkt jest mieszaniną.

3.2. Mieszaniny

Produktu/składnik	Identyfikatory	% w/w	Klasyfikacja	Uwagi
Alcohol, C13, bran., EO, sulfate Na~	Nr. CAS: 150413-26-6 Nr. WE: 688-316-0 REACH: Nr. indeksowy:	1-3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 3, H412	

nadtlenek wodoru, roztwór 35%	Nr. CAS: 7722-84-1 Nr. WE: 231-765-0 REACH: 01-2119485845-22-XXXX Nr. indeksowy: 008-003-00-9	1-3%	Ox. Liq. 1, H271 Acute Tox. 4, H302 Skin Corr. 1A, H314 (SCL: 70,00 %) Skin Corr. 1B, H314 (SCL: 50,00 %) Skin Irrit. 2, H315 (SCL: 35,00 %) Eye Dam. 1, H318 (SCL: 8,00 %) Eye Irrit. 2, H319 (SCL: 5,00 %) Acute Tox. 4, H332 STOT SE 3, H336 (SCL: 35,00 %)	
citroenzuurmonohydraat	Nr. CAS: 5949-29-1 Nr. WE: 611-842-9 REACH: 01-2119457026-42-XXXX Nr. indeksowy:	<0.1%	Eye Irrit. 2, H319	
Disodium tin hexahydroxide	Nr. CAS: 12027-70-2 Nr. WE: 234-724-5 REACH: 01-2120770924-45-XXXX Nr. indeksowy:	<0.05%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	[1]

Pełne sformułowanie zwrotów określających zagrożenia znajduje się w sekcji 16. Limity dopuszczalnych wartości zarażenia zawodowego, jeśli są dostępne, wymienione są w sekcji 8.

Inne informacje

[1] Europejska wartość graniczna narażenia w miejscu pracy.

SEKCJA 4: ŚRODKI PIERWSZEJ POMOCY

4.1. Opis środków pierwszej pomocy

Informacje ogólne:

W razie wypadku lub złego samopoczucia skontaktować się z lekarzem lub pogotowiem – zabrać ze sobą etykietę lub niniejszą kartę charakterystyki. Lekarz może się zwrócić do Instytutu Toksykologii w szpitalu.

Jeśli objawy nie ustają, lub jeśli są wątpliwości co do stanu osoby poszkodowanej, trzeba się zwrócić po pomoc lekarską. Nigdy nie podawaj wody ani podobnych płynów osobie nieprzytomnej.

Wdychanie:

W razie problemów z oddychaniem lub podrażnienia dróg oddechowych: Zapewnić poszkodowanemu dostęp do świeżego powietrza i nie pozostawiać go bez nadzoru.

Kontakt ze skórą:

W przypadku podrażnienia: zmyć produkt. Przy przedłużającym się podrażnieniu skontaktować się z lekarzem.

Kontakt z oczami:

W PRZYPADKU DOSTANIA SIĘ DO OCZU: Natychmiast spłukać wodą (20-30 °C) przez przynajmniej 5 minut. Usunąć ewentualne szkła kontaktowe. Zawezwąć lekarza.

Połyknięcia:

Jeśli osoba jest przytomna, przepłukać usta wodą i pozostać z nią. W przypadku złego samopoczucia: należy się natychmiast skontaktować z lekarzem i mieć przy sobie niniejszą kartę charakterystyki lub etykietę produktu. Nie należy wywoływać wymiotów, jeśli lekarz tego nie zalecił. Ułożyć głowę nisko, tak, aby w razie wymiotów ich zawartość nie wróciła do ust i gardła.

Oparzenie:

Nie dotyczy.

4.2. Najważniejsze ostre i opóźnione objawy oraz skutki narażenia

Nie są znane.

4.3. Wskazania dotyczące wszelkiej natychmiastowej pomocy lekarskiej i szczególnego postępowania z

poszkodowanym

Leczyć objawowo.

Informacja dla lekarza

Przekazać kartę charakterystyki lub etykietę produktu.

SEKCJA 5: POSTĘPOWANIE W PRZYPADKU POŻARU

5.1. Środki gaśnicze

Nie dotyczy.

5.2. Szczególne zagrożenia związane z substancją lub mieszaniną

W przypadku pożaru powstanie gęsty dym. Wystawienie na działanie produktów rozkładu może być szkodliwe dla zdrowia. Zamknięte pojemniki, które były wystawione na działanie ognia, należy ochłodzić wodą. Nie należy dopuścić, aby woda użyta do gaszenia dostała się do ścieków ani cieków wodnych.

Wystawienie mieszaniny na działanie wysokich temperatur, np. w przypadku pożaru, może spowodować powstawanie niebezpiecznych produktów rozkładu. Są to:

Tlenki węgla (CO / CO₂)

5.3. Informacje dla straży pożarnej

Nie ma specjalnych wymagań.

SEKCJA 6: POSTĘPOWANIE W PRZYPADKU NIEZAMIERZONEGO UWOLNIENIA DO ŚRODOWISKA

6.1. Indywidualne środki ostrożności, wyposażenie ochronne i procedury w sytuacjach awaryjnych

Zapewnić odpowiednią wentylację, szczególnie w przestrzeniach zamkniętych.

Zanieczyszczone powierzchnie mogą być śliskie.

6.2. Środki ostrożności w zakresie ochrony środowiska

Zapobiegać uwalnianiu większych ilości do kanalizacji, wód gruntowych i powierzchniowych.

Nie dopuszczać osób postronnych do miejsca wycieku.

6.3. Metody i materiały zapobiegające rozprzestrzenianiu się skażenia i służące do usuwania skażenia

Ograniczyć i zebrać wyciek za pomocą niepalnego, absorbującego materiału, np. piasku, ziemi, wermikulitu lub ziemi okrzemkowej i umieścić w pojemniku do utylizacji zgodnie z lokalnymi przepisami.

Jeśli to tylko możliwe, czyszczenie należy przeprowadzać za pomocą środków czyszczących. Należy unikać rozpuszczalników.

6.4. Odniesienia do innych sekcji

Postępowanie z odpadami opisane jest w sekcji 13.

Środki ostrożności omówione są w sekcji 8.

SEKCJA 7: POSTĘPOWANIE Z SUBSTANCJAMI I MIESZANINAMI ORAZ ICH MAGAZYNOWANIE

7.1. Środki ostrożności dotyczące bezpiecznego postępowania

Palenie, jedzenie i picie nie są dozwolone podczas używania produktu.

Osobiste środki bezpieczeństwa omawiane są w sekcji „Kontrola narażenia/środki ochrony indywidualnej”.

7.2. Warunki bezpiecznego magazynowania, w tym informacje dotyczące wszelkich wzajemnych niezgodności

Otwarte pojemniki muszą być ponownie uszczelnione i przechowywane pionowo dla uniknięcia wycieków.

Zgodności z opakowaniem:

Przechowywać wyłącznie w oryginalnym opakowaniu.

Warunki przechowywania:

W miejscu suchym, chłodnym i z dobrą cyrkulacją powietrza

Materiały niezgodne:

Silne kwasy, silne zasady, silne utleniacze i silne reduktory.

7.3. Szczegółne zastosowanie(-a) końcowe

Ten produkt powinien być używany zawsze zgodnie z opisem w sekcji 1.2.

SEKCJA 8: KONTROLA NARAŻENIA/ŚRODKI OCHRONY INDYWIDUALNEJ

8.1. Parametry dotyczące kontroli

nadtlenek wodoru, roztwór 35%

Najwyższe dopuszczalne stężenie chwilowe (15 minut) (NDSch) (mg/m³): 0,8

Najwyższe dopuszczalne stężenie (8-godzinne) (NDS) (mg/m³): 0,4

Rozporządzenia Ministra Rodziny, Pracy i Polityki Społecznej z dnia 12 czerwca 2018 r. w sprawie najwyższych dopuszczalnych stężeń i natężeń czynników szkodliwych dla zdrowia w środowisku pracy (Dz.U. 2018 poz. 1286)

DNEL

1,2-benzoizotiazol-3(2H)-on; 1,2-benzoizotiazolin-3-on; 1,2-benzoizotiazolin-3-on

Czas:	Droga narażenia:	DNEL:
Długoterminowo (działanie ogólnoustrojowe-cała populacja)	Naskórnice	0.345 mg/kg
Długoterminowo (działanie ogólnoustrojowe-Pracownicy)	Naskórnice	966 µg/kg/dzień
Długoterminowo (działanie ogólnoustrojowe-cała populacja)	Wziewnie	1.2 mg/m ³
Długoterminowo (działanie ogólnoustrojowe-Pracownicy)	Wziewnie	6.81 mg/m ³

Disodium tin hexahydroxide

Czas:	Droga narażenia:	DNEL:
Długoterminowo (działanie ogólnoustrojowe-cała populacja)	Doustnie	1.21 mg/kg/dzień
Długoterminowo (działanie ogólnoustrojowe-cała populacja)	Naskórnice	1.21 mg/kg/dzień
Długoterminowo (działanie ogólnoustrojowe-Pracownicy)	Naskórnice	3.37 mg/kg/dzień
Długoterminowo (działanie ogólnoustrojowe-cała populacja)	Wziewnie	1.78 mg/m ³
Długoterminowo (działanie ogólnoustrojowe-Pracownicy)	Wziewnie	11.9 mg/m ³

nadtlenek wodoru, roztwór 35%

Czas:	Droga narażenia:	DNEL:
Długoterminowo (działanie miejscowe-cała populacja)	Wziewnie	0,21 mg/m ³
Długoterminowo (działanie miejscowe-cała populacja)	Wziewnie	210 µg/m ³
Długoterminowo (działanie miejscowe-Pracownicy)	Wziewnie	1.4 mg/m ³
Krótkoterminowo (działanie miejscowe-cała populacja)	Wziewnie	1.93 mg/m ³
Krótkoterminowo (działanie miejscowe-Pracownicy)	Wziewnie	3 mg/m ³

PNEC

1,2-benzoizotiazol-3(2H)-on; 1,2-benzoizotiazolin-3-on; 1,2-benzoizotiazolin-3-on

Droga narażenia:	Czas ekspozycji:	PNEC:
Oczyszczalnia ścieków		1.03 mg/L
Osad w wodzie morskiej		4.99 µg/kg
Osad w wodzie słodkiej		49.9 µg/kg
Przerywane uwalnianie (woda morska)		110 ng/L
Przerywane uwalnianie (woda słodka)		1.1 µg/L
Woda morska		403 ng/L
Woda słodka		4.03 µg/L
Ziemia		3 mg/kg

Disodium tin hexahydroxide

Droga narażenia:	Czas ekspozycji:	PNEC:
Oczyszczalnia ścieków		10 mg/L
Osad w wodzie morskiej		139.46 µg/kg
Osad w wodzie słodkiej		1.395 mg/kg
Przerywane uwalnianie (woda morska)		33.1 µg/L
Przerywane uwalnianie (woda słodka)		331 µg/L
Woda morska		3.31 µg/L
Woda słodka		33.1 µg/L

nadtlenek wodoru, roztwór 35%

Droga narażenia:	Czas ekspozycji:	PNEC:
Oczyszczalnia ścieków		4.66 mg/L
Oczyszczalnia ścieków		4.66 mg/L
Osad w wodzie morskiej		0,047 mg/L
Osad w wodzie morskiej		47 µg/kg
Osad w wodzie słodkiej		0,047 mg/kg
Osad w wodzie słodkiej		47 µg/kg
Przerywane uwalnianie (woda słodka)		13.8 µg/L
Woda morska		0,047 mg/L
Woda morska		12.6 µg/L
Woda słodka		0,0126 mg/L
Woda słodka		12.6 µg/L
Ziemia		0,023 mg/kg
Ziemia		2.3 µg/kg

8.2. Kontrola narażenia

Należy regularnie kontrolować przestrzeganie podanych wartości granicznych.

Ogólne zasady postępowania:

Palenie, jedzenie i picie nie są dozwolone podczas używania produktu.

Scenariusze narażenia:

Dla tego produktu nie ma wdrożonych scenariuszy narażenia.

Limity ekspozycji:

Zawodowi użytkownicy objęci są regułami ustawodawstwa o bezpieczeństwie i higienie pracy, dotyczącego maksymalnych stężeń przy ekspozycji. Wartości graniczne - patrz powyżej.

Środki techniczne:

Tworzenie się pary musi być utrzymywane na minimalnych i poniżej aktualnych wartościach granicznych (patrz powyżej). Zaleca się zainstalowanie lokalnego systemu wyciągowego, jeśli normalny przepływ powietrza w pomieszczeniu roboczym jest niewystarczający. Upewnij się, że stacje do przemywania oczu i prysznice są wyraźnie oznaczone.

Stosuj standardowe środki ostrożności podczas użytkowania produktu. Unikaj wdychania oparów.

Zaradcze środki higieniczne:

W każdej przerwie w pracy z produktem oraz po zakończeniu dnia pracy należy umyć odkryte części ciała. Zwracać szczególną uwagę na dłonie, przedramiona i twarz.

Środki ograniczające narażenie środowiska:

Nie ma specjalnych wymagań.

Indywidualne środki ochrony takie jak indywidualne wyposażenie ochronne

Ogólnie:

Używać wyłącznie sprzętu ochronnego z oznakowaniem CE.

Ochronę dróg oddechowych:

Typ	Klasa	Kolor	Normy	
Brak szczególnych wymagań.				

Ochrona skór:

Polecamy	Typu/Kategorii	Normy	
Brak szczególnych przy zwykłym użyciu zgodnie z przeznaczeniem.	-	-	

Ochrona rąk:

Warunki pracy	Materiał	Grubość rękawicy (mm)	Czas wytrzymałości (min.)	Normy	
	Brak szczególnych wymagań.	-	-	-	
W przypadku długotrwałego narażenia lub wysokiego stężenia	Bawełny / Guma naturalna	-	> 120	EN374-2, EN16523-1, EN388	

Ochrona oczu:

Warunki pracy	Typ	Normy	
	Brak szczególnych wymagań.	-	
W przypadku długotrwałego narażenia lub wysokiego stężenia	Noś okulary ochronne z osłonami bocznymi.	EN166	

SEKCJA 9: WŁAŚCIWOŚCI FIZYCZNE I CHEMICZNE

9.1. Informacje na temat podstawowych właściwości fizycznych i chemicznych

Stan skupienia:

Ciekły

Kolor:

Bezbarwny

Zapach / Próg zapachu (ppm):

Perfumowany

pH:

ca. 4.8

Gęstość (g/cm³):

1,02 (20 °C)

Lepkość kinematyczna:

Brak dostępnych danych.

Charakterystyka cząsteczek:

Nie dotyczy cieczy.

Zmiana stanu skupienia i opary

Temperatura topnienia/krzepnięcia (°C):

Brak dostępnych danych.

Temperaturę/zakres mięknięcia (°C):

Nie dotyczy cieczy.

Temperatura wrzenia (°C):

Brak dostępnych danych.

Prężność pary:

Brak dostępnych danych.

Względna gęstość pary :

Brak dostępnych danych.

Temperatura rozkładu (°C):

Brak dostępnych danych.

Dane dotyczące niebezpieczeństwa pożaru i wybuchu

Temperatura zapłonu (°C):

Brak dostępnych danych.

Palność materiałów (°C):

Brak dostępnych danych.

Temperatura samozapłonu (°C):

Brak dostępnych danych.

Granice wybuchowości (obj. %):

Brak dostępnych danych.

Rozpuszczalność

Rozpuszczalność w wodzie:

Całkowicie rozpuszczalny

n-oktanol/woda współczynnik (LogKow):

Brak dostępnych danych.

Rozpuszczalność w tłuszczu (g/L):

Brak dostępnych danych.

9.2. Inne informacje

Inne parametry fizyczne i chemiczne:

Brak dostępnych danych.

Właściwości utleniające:

Brak dostępnych danych.

SEKCJA 10: STABILNOŚĆ I REAKTYWNOŚĆ

10.1. Reaktywność

Brak dostępnych danych.

10.2. Stabilność chemiczna

Przy prawidłowym użytkowaniu i przechowywaniu, zgodnie z sekcją 7 karty, produkt jest stabilny.

10.3. Możliwość występowania niebezpiecznych reakcji

Nie są znane.

10.4. Warunki, których należy unikać

Nie są znane.

10.5. Materiały niezgodne

Silne kwasy, silne zasady, silne utleniacze i silne reduktory.

10.6. Niebezpieczne produkty rozkładu

W normalnych warunkach magazynowania i stosowania niebezpieczne produkty rozpadu nie powinny być wytwarzane.

SEKCJA 11: INFORMACJE TOKSYKOLOGICZNE

11.1. Informacje na temat klas zagrożenia zdefiniowanych w rozporządzeniu (WE) nr 1272/2008

Toksyczność ostra

Produktu/składnik	nadtlenek wodoru, roztwór 35%
Rodzaj:	Szczur
Droga narażenia:	Doustnie
Test:	LD50
Wynik:	1.193 - 1.270 mg/L

Produktu/składnik	nadtlenek wodoru, roztwór 35%
Rodzaj:	Królik
Droga narażenia:	Naskórnice
Test:	LD50
Wynik:	>2.000 (35% oplopping) mg/kg

Produktu/składnik	1,2-benzotiazol-3(2H)-on; 1,2-benzotiazolin-3-on; 1,2-benzotiazolin-3-on
Rodzaj:	Szczur
Droga narażenia:	Doustnie
Test:	LD50
Wynik:	500 mg/kg

W oparciu o dostępne dane, kryteria klasyfikacji nie są spełnione.

Działanie żrące/drażniące na skórę

Produktu/składnik	nadtlenek wodoru, roztwór 35%
Wynik:	Zaobserwowano działania szkodliwe (Drażniący)

Produktu/składnik	1,2-benzotiazol-3(2H)-on; 1,2-benzotiazolin-3-on; 1,2-benzotiazolin-3-on
Metoda badania:	OECD 404
Wynik:	Zaobserwowano działania szkodliwe (Drażniący)

W oparciu o dostępne dane, kryteria klasyfikacji nie są spełnione.

Poważne uszkodzenie oczu/działanie drażniące na oczy

Produktu/składnik	nadtlenek wodoru, roztwór 35%
Wynik:	Zaobserwowano działania szkodliwe (Powoduje poważne uszkodzenie oczu)

Produktu/składnik	1,2-benzotiazol-3(2H)-on; 1,2-benzotiazolin-3-on; 1,2-benzotiazolin-3-on
Metoda badania:	OECD 405
Wynik:	Zaobserwowano działania szkodliwe (Powoduje poważne uszkodzenie oczu)

W oparciu o dostępne dane, kryteria klasyfikacji nie są spełnione.

Działanie uczulające na drogi oddechowe

Produktu/składnik	nadtlenek wodoru, roztwór 35%
Wynik:	Nie zaobserwowano działań szkodliwych (nie uczuła)

W oparciu o dostępne dane, kryteria klasyfikacji nie są spełnione.

Działanie uczulające na skórę

Produktu/składnik	1,2-benzotiazol-3(2H)-on; 1,2-benzotiazolin-3-on; 1,2-benzotiazolin-3-on
Metoda badania:	OECD 429
Rodzaj:	Mysz
Wynik:	Zaobserwowano działania szkodliwe (uczulające)

Produktu/składnik	1,2-benzotiazol-3(2H)-on; 1,2-benzotiazolin-3-on; 1,2-benzotiazolin-3-on
Metoda badania:	OECD 406
Rodzaj:	Świnka morska
Wynik:	Zaobserwowano działania szkodliwe (uczulające)

W oparciu o dostępne dane, kryteria klasyfikacji nie są spełnione.

Działanie mutagenne na komórki rozrodcze

W oparciu o dostępne dane, kryteria klasyfikacji nie są spełnione.

Działanie rakotwórcze

Produktu/składnik	nadtlenek wodoru, roztwór 35%
Wniosek:	Nie zaobserwowano działań szkodliwych

W oparciu o dostępne dane, kryteria klasyfikacji nie są spełnione.

Szkodliwe działanie na rozrodczość

Produktu/składnik nadtlenek wodoru, roztwór 35%
Wniosek: Nie zaobserwowano działań szkodliwych

W oparciu o dostępne dane, kryteria klasyfikacji nie są spełnione.

Działanie toksyczne na narządy docelowe – narażenie jednorazowe

W oparciu o dostępne dane, kryteria klasyfikacji nie są spełnione.

Działanie toksyczne na narządy docelowe – narażenie powtarzane

W oparciu o dostępne dane, kryteria klasyfikacji nie są spełnione.

Zagrożenie spowodowane aspiracją

Produktu/składnik nadtlenek wodoru, roztwór 35%
W oparciu o dostępne dane, kryteria klasyfikacji nie są spełnione.

11.2. Informacje o innych zagrożeniach

Długotrwałe działanie

Nie są znane.

Właściwości zaburzające funkcjonowanie układu hormonalnego

Mieszanina/produkt nie zawiera substancji uznawanych za zaburzające funkcjonowanie układu hormonalnego w odniesieniu do zdrowia.

Inne informacje

nadtlenek wodoru, roztwór 35%: Substancja została zakwalifikowana do grupy 3 wg IARC.

SEKCJA 12: INFORMACJE EKOLOGICZNE

12.1. Toksyczność

Produktu/składnik nadtlenek wodoru, roztwór 35%
Rodzaj: Ryba, Pimephales promelas
Czas: 96 godzin
Test: LC50
Wynik: 16,4 mg/L

Produktu/składnik nadtlenek wodoru, roztwór 35%
Rodzaj: Ryba, Leuciscus idus
Czas: 72 godzin
Test: LC50
Wynik: 35 mg/L

Produktu/składnik nadtlenek wodoru, roztwór 35%
Rodzaj: Ryba, Oncorhynchus mykiss
Czas: 7 dni
Test: LC50
Wynik: 38,5 mg/L

Produktu/składnik nadtlenek wodoru, roztwór 35%
Rodzaj: Daphnia pulex
Czas: 48 godzin
Test: CE50
Wynik: 2,4 mg/L

Produktu/składnik nadtlenek wodoru, roztwór 35%
Rodzaj: Daphnia magna
Czas: 24 godzin
Test: CE50
Wynik: 7,7 mg/L

Produktu/składnik nadtlenek wodoru, roztwór 35%
Rodzaj: Skeletonema costatum

Czas: 72 godzin
Test: CE50
Wynik: 1,38 mg/L

Produktu/składnik: nadtlenek wodoru, roztwór 35%
Metoda badania: OECD 209
Rodzaj: Bakteria
Element środowiska: Aktywowana instalacja z osadem
Czas: 30 minutes
Test: CE50
Wynik: 466 mg/L

Produktu/składnik: nadtlenek wodoru, roztwór 35%
Metoda badania: OECD 209
Rodzaj: Bakteria
Element środowiska: Aktywowana instalacja z osadem
Czas: 3 godzin
Test: CE50
Wynik: > 1.000 mg/L

Produktu/składnik: 1,2-benzotiazol-3(2H)-on; 1,2-benzotiazolin-3-on; 1,2-benzotiazolin-3-on
Rodzaj: Ryba
Czas: 96 godzin
Test: LC50
Wynik: >0.1-1 mg/L

Produktu/składnik: 1,2-benzotiazol-3(2H)-on; 1,2-benzotiazolin-3-on; 1,2-benzotiazolin-3-on
Rodzaj: Skorupiak
Czas: 48 godzin
Test: CE50
Wynik: >0.1-1 mg/L

Produktu/składnik: 1,2-benzotiazol-3(2H)-on; 1,2-benzotiazolin-3-on; 1,2-benzotiazolin-3-on
Rodzaj: Glon
Czas: 72 godzin
Test: CE50
Wynik: >0.1-1 mg/L

W oparciu o dostępne dane, kryteria klasyfikacji nie są spełnione.

12.2. Trwałość i zdolność do rozkładu

Produktu/składnik: Alcohol, C13, bran., EO, sulfate Na~
Wynik: > 60 %
Wniosek: Łatwe uleganie biodegradacji
Test: OECD 301 B

Produktu/składnik: nadtlenek wodoru, roztwór 35%
Wniosek: Łatwe uleganie biodegradacji

Produktu/składnik: 1,2-benzotiazol-3(2H)-on; 1,2-benzotiazolin-3-on; 1,2-benzotiazolin-3-on
Wynik: 90%
Wniosek: Łatwe uleganie biodegradacji
Test: OECD 302

Środek powierzchniowo czynny / środki powierzchniowo czynne zawarte w tym preparacie jest/są zgodny/e z kryteriami podatności na biodegradację zawartymi w dyrektywie (WE) nr 648/2004 dotyczącej detergentów. Dane potwierdzające ten fakt są do dyspozycji właściwych władz państw członkowskich i będą im udostępniane na ich bezpośrednią prośbę lub na prośbę producenta detergentów.

12.3. Zdolność do bioakumulacji

Produktu/składnik: nadtlenek wodoru, roztwór 35%
LogKow: -1,57

Wniosek: -

Produktu/składnik 1,2-benzoizotiazol-3(2H)-on; 1,2-benzoizotiazolin-3-on; 1,2-benzoizotiazolin-3-on
BCF: 2
LogKow: 1.45
Wniosek: Niska zdolność do bioakumulacji

12.4. Mobilność w glebie

Brak dostępnych danych.

12.5. Wyniki oceny właściwości PBT i vPvB

Mieszanina/produkt ten nie zawiera żadnej substancji spełniającej kryteria klasyfikacji jako PBT lub vPvB.

12.6. Właściwości zaburzające funkcjonowanie układu hormonalnego

Mieszanina/produkt nie zawiera substancji uznawanych za zaburzające funkcjonowanie układu endokrynnego w odniesieniu do środowiska.

12.7. Inne szkodliwe skutki działania

Nie są znane.

SEKCJA 13: POSTĘPOWANIE Z ODPADAMI

13.1. Metody unieszkodliwiania odpadów

Pozbywać się zgodnie z miejscowymi i narodowymi dyrektywami dotyczącymi gospodarki odpadów. (*)
HP 4 - Drażniące (działanie drażniące na skórę i powodujące uszkodzenie oczu)
Rozporządzenie Komisji (UE) NR 1357/2014 z dnia 18 grudnia 2014 r. zastępujące załącznik III do dyrektywy Parlamentu Europejskiego i Rady 2008/98/WE w sprawie odpadów oraz uchylającej niektóre dyrektywy. Ustawa z dnia 14.12.2012r. o odpadach, (Dz.U.2013 poz.21). Rozporządzenie Ministra Środowiska z dnia 9.12.2014r. w sprawie katalogu odpadów (Dz.U. 2014 poz. 1923).

Europejski kod odpadu (EWC):
20 01 30 Detergenty inne niż wymienione w 20 01 29

Zanieczyszczone opakowanie

Opakowania zawierające pozostałości produktu należy usuwać w taki sam sposób jak produkt.

SEKCJA 14: INFORMACJE DOTYCZĄCE TRANSPORTU

	14.1 UN / ID	14.2 Prawidłowa nazwa przewozowa UN	14.3 Klasa(-y) zagrożenia w transporcie	14.4 PG*	14.5. Env**	Inne informacje:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Grupa pakowania

** Zagrożenia dla środowiska

Inne

Nie jest niebezpiecznym towarem wg kodeksów ADR, IATA i IMDG

14.6. Szczególne środki ostrożności dla użytkowników

Nie dotyczy.

14.7. Transport morski luzem zgodnie z instrumentami IMO

Brak dostępnych danych.

SEKCJA 15: INFORMACJE DOTYCZĄCE PRZEPISÓW PRAWNYCH

15.1. Przepisy prawne dotyczące bezpieczeństwa, zdrowia i ochrony środowiska specyficzne dla substancji lub

mieszaniny

Ograniczenia użycia:

Produkt przeznaczony wyłącznie do użytku zawodowego.

Wymagania szczególnego wykształcenia:

Nie ma specjalnych wymagań.

SEVESO - Kategorie niebezpiecznych substancji / Wskazane substancje niebezpieczne:

Nie dotyczy.

Rozporządzenie w sprawie prekursorów materiałów wybuchowych:

nadtlenek wodoru, roztwór 35% (Aneks I)

Oznakowanie zawartości zgodnie z Rozporządzeniem nr 648/2004 w sprawie detergentów:

>5% - <15%

· Niejonowe środki powierzchniowo czynne

< 5%

· Anionowe środki powierzchniowo czynne

· Związki wybielające na bazie tlenu

· Kompozycje zapachowe

· Środek konserwujący (BENZISOTHIAZOLINONE)

Inne:

Środek powierzchniowo czynny / środki powierzchniowo czynne zawarte w tym preparacie jest/są zgodny/e z kryteriami podatności na biodegradację zawartymi w dyrektywie (WE) nr 648/2004 dotyczącej detergentów. Dane potwierdzające ten fakt są do dyspozycji właściwych władz państw członkowskich i będą im udostępniane na ich bezpośrednią prośbę lub na prośbę producenta detergentów.

Źródła:

Rozporządzenie (WE) nr 648/2004 Parlamentu Europejskiego i Rady z dnia 31 marca 2004 r. w sprawie detergentów.

Rozporządzenie Komisji (UE) NR 1357/2014 z dnia 18 grudnia 2014 r. zastępujące załącznik III do dyrektywy Parlamentu Europejskiego i Rady 2008/98/WE w sprawie odpadów oraz uchylającej niektóre dyrektywy. Ustawa z dnia 14.12.2012r. o odpadach, (Dz.U.2013 poz.21). Rozporządzenie Ministra Środowiska z dnia 9.12.2014r. w sprawie katalogu odpadów (Dz.U. 2014 poz. 1923).

Rozporządzenie (UE) 2019/1148 w sprawie prekursorów materiałów wybuchowych.

Rozporządzenie Parlamentu Europejskiego i Rady (WE) nr 1272/2008 z dnia 16 grudnia 2008 r. w sprawie klasyfikacji, oznakowania i pakowania substancji i mieszanin (CLP).

Rozporządzenie Ministra Pracy i Polityki Społecznej z dnia 26.09.1997r. w sprawie ogólnych przepisów bezpieczeństwa i higieny pracy. (Dz.U. 2003 nr 169 poz. 1650) z późniejszymi zmianami.

Rozporządzenie Ministra Zdrowia z dnia 30.12.2004 roku w sprawie bezpieczeństwa i higieny pracy związanej z występowaniem w miejscu pracy czynników chemicznych. (Dz. U. z 2005r. Nr 11, poz. 86) z późniejszymi zmianami.

ROZPORZĄDZENIE PARLAMENTU EUROPEJSKIEGO I RADY (UE) 2016/425 z dnia 9 marca 2016 r. w sprawie środków ochrony indywidualnej oraz uchylenia dyrektywy Rady 89/686/EWG.

Ustawa o substancjach i ich mieszaninach z dnia 25.02.2011r. (Dz.U. 2011 nr 63 poz. 322) z późniejszymi zmianami.

Rozporządzenie (WE) nr 1907/2006 PeIR z dnia 18.12.2006r. w sprawie rejestracji, oceny, udzielania zezwoleń i stosowanych ograniczeń w zakresie chemikaliów (REACH), utworzenia Europejskiej Agencji Chemikaliów, zmieniające dyrektywę 1999/45/WE oraz uchylające rozporządzenie Rady (EWG) nr 793/93 i rozporządzenie Komisji (WE) nr 1488/94, jak również dyrektywę Rady 76/769/EWG i dyrektywy Komisji 91/155/EWG, 93/67/EWG, 93/105/WE i 2000/21/WE.

15.2. Ocena bezpieczeństwa chemicznego

Nie

SEKCJA 16: INNE INFORMACJE

Pełne sformułowanie zwrotów ryzyka wymienionych w sekcji 3

H271, Może spowodować pożar lub wybuch; silny utleniacz.

H302, Działa szkodliwie po połknięciu.

H314, Powoduje poważne oparzenia skóry oraz uszkodzenia oczu.

H315, Działa drażniąco na skórę.

H318, Powoduje poważne uszkodzenie oczu.

H319, Działa drażniąco na oczy.
H332, Działa szkodliwie w następstwie wdychania.
H335, Może powodować podrażnienie dróg oddechowych.
H336, Może wywoływać uczucie senności lub zawroty głowy.
H412, Działa szkodliwie na organizmy wodne, powodując długotrwałe skutki.

Skróty i akronimy

ADN = Europejskie Warunki dotyczące Międzynarodowego Przewozu Niebezpiecznych Towarów Wodnymi Drogami Śródlądowymi
ADR = Europejskie Porozumienie dotyczące Międzynarodowych Przewozów Niebezpiecznych Towarów Transportem Drogowym
ATE = Szacunkowa toksyczność ostra
BCF = Współczynnik biokoncentracji
CAS = Chemical Abstract Service (Serwis Wypisów Chemicznych)
CE = Zgodność europejska
CLP = Rozporządzenie dotyczące klasyfikacji, oznakowania i pakowania (Rozporządzenie (WE) nr 1272/2008)
CSA = Ocena bezpieczeństwa chemicznego
CSR = Raport bezpieczeństwa chemicznego
DNEL = Pochodny Poziom Niepowodujący Zmian
EINECS = Europejski Spis Istniejących Substancji Chemicznych Znajdujących się na Rynku
ES = Scenariusz narażenia
EUH statement = CLP Zwrot wskazujący rodzaj zagrożenia
EuPCS = Europejski system klasyfikacji produktów
EWC = Europejski Katalog Odpadów
GHS = Globalnie Zharmonizowany System Klasyfikacji i Oznakowania Chemikaliów
GWP = Współczynnik globalnego ocieplenia
IATA = Międzynarodowe Zrzeszenie Przewoźników Powietrznych
IBC = Intermediate Bulk Container
IMDG = Międzynarodowy Morski Kod Towarów Niebezpiecznych
LogPow = logarytm współczynnika podziału oktanolu/wody
MARPOL = Międzynarodowa Konwencja Zapobiegania Zanieczyszczeniom ze Statków, 1973 modyfikowana Protokołem z roku 1978 (Marpol = zanieczyszczenia morskie)
NDS = średniej ważonej w czasie
OECD = Organizacja Współpracy Ekonomicznej i Rozwoju
PBT = Trwały, wykazujący zdolność do bioakumulacji i toksyczny
PNEC = Przewidywane Stężenie Niepowodujące Zmian w Środowisku
RID = Regulamin dla międzynarodowego przewozu kolejami towarów niebezpiecznych
RRN = Numer rejestracyjny REACH
SCL = Specyficzne stężenie.
SVHC = Substancja wzbudzająca poważne obawy
STOT-RE = Toksyczność docelowa specyficznego narządu - powtarzalne narażenie
STOT-SE = Toksyczność docelowa specyficznego narządu - jednorazowe narażenie
UN = Organizacja Narodów Zjednoczonych (ONZ)
UVCB = Oznacza substancje o nieznanym lub zmiennym składzie, złożone produkty reakcji lub materiały biologiczne.
VOC = Lotny związek organiczny
vPvB = Bardzo trwałe i wykazujące bardzo dużą zdolność do bioakumulacji

Inne

Nie dotyczy.

Karta charakterystyki została zatwierdzona przez

Quality & Compliance

Inne

Zmiany w stosunku do ostatniej aktualizacji (pierwsza cyfra w wersji karty SDS, sekcji 1) tej karty charakterystyki są oznakowane trójkątami.
Informacje zawarte w niniejszej karcie charakterystyki odnoszą się tylko do produktu wymienionego w sekcji 1 i mogą nie być aktualne w odniesieniu do użycia razem z innymi produktami.
Zaleca się dostarczenie niniejszej karty charakterystyki faktycznemu użytkownikowi produktu. Wymienione informacje nie mogą być używane jako specyfikacja produktu.
Kraj-język: PL-pl

SAFETY DATA SHEET

i.1 all-purpose cleaner FlexDose

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

SDS created for QATAR according to GHS

1.1. Product identifier

▼ *Trade name:*

i.1 all-purpose cleaner FlexDose

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses of the substance or mixture:

Washing and cleaning products (including solvent based products)

Restricted to professional users.

Uses advised against :

None known.

1.3. Details of the supplier of the safety data sheet

Company and address:

Hygeniq B.V.

Postbus 618

7500 AP Enschede

The Netherlands

+31 53 4282860

+31 53 5393865

www.hygeniq.com

E-mail:

info@hygeniq.com

SDS date:

27/06/2025

SDS Version:

2.0

Date of previous version:

02/06/2025 (1.0)

1.4. Emergency telephone number

Contact the local emergency services.

See section 4 "First aid measures".

SECTION 2: HAZARDS IDENTIFICATION

Classified according to GHS.

2.1. Classification of the substance or mixture

Skin Irrit. 3; H316, Causes mild skin irritation

2.2. Label elements

Hazard pictogram(s):

Not applicable.

Signal word:

Warning

Hazard statement(s):

Causes mild skin irritation (H316)

Precautionary statement(s):

General:

-

Prevention:

-

Response:

If skin irritation occurs: Get medical advice/attention. (P332+P313)

Storage:

-

Disposal:

-

Hazardous substances:

Does not contain any substances required to report

Additional labelling:

Not applicable.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable. This product is a mixture.

3.2. Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
Alcohol, C13, bran., EO, sulfate Na~	CAS No.: 150413-26-6 EC No.: 688-316-0	1-3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 3, H412	
hydrogen peroxide	CAS No.: 7722-84-1 EC No.: 231-765-0	1-3%	Ox. Liq. 1, H271 Acute Tox. 4, H302 Skin Corr. 1A, H314 (SCL: 70.00 %) Skin Corr. 1B, H314 (SCL: 50.00 %) Skin Irrit. 2, H315 (SCL: 35.00 %) Eye Dam. 1, H318 (SCL: 8.00 %) Eye Irrit. 2, H319 (SCL: 5.00 %) Acute Tox. 4, H332 STOT SE 3, H336 (SCL: 35.00 %)	
citroenzuurmonohydraat	CAS No.: 5949-29-1 EC No.: 611-842-9	<0.1%	Eye Irrit. 2, H319	

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information

-

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General information:

In the case of accident: Contact a doctor or casualty department – bring the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

Inhalation:

Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

Skin contact:

Remove contaminated clothing and shoes immediately. Ensure to wash exposed skin thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or thinners.

Eye contact:

If in eyes: Flush eyes with water or saline water (20-30 °C) for at least 5 minutes. Remove contact lenses. Seek medical assistance and continue flushing during transport.

Ingestion:

If the person is conscious, rinse the mouth with water and stay with the person. Never give the person anything to drink.

In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the person lean forward with head down to avoid inhalation of or choking on vomited material.

Burns:

Not applicable.

4.2. Most important symptoms and effects, both acute and delayed

None known.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

Information to medics

Bring this safety data sheet or the label from this product.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Not applicable.

5.2. Special hazards arising from the substance or mixture

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

Carbon oxides (CO / CO₂)

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact the national poisons emergency services in order to obtain further advice.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Contaminated areas may be slippery.

6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.

Keep unauthorized persons away from the spill

6.3. Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.
Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections

See section 13 "Disposal considerations" on handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Smoking, drinking and consumption of food is not allowed in the work area.

See section 8 "Exposure controls/personal protection" for information on personal protection.

7.2. Conditions for safe storage, including any incompatibilities

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Recommended storage material:

Keep only in original packaging.

Storage conditions:

Dry, cool and well ventilated

Incompatible materials:

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

No substances are listed with an occupational exposure limit.

8.2. Exposure controls

Apply general control to prevent unnecessary exposure

General recommendations:

Smoking, drinking and consumption of food is not allowed in the work area.

Exposure scenarios:

There are no exposure scenarios implemented for this product.

Exposure limits:

Occupational exposure limits have not been defined for the substances in this product.

Appropriate technical measures:

Apply standard precautions during use of the product. Avoid inhalation of vapours.

Hygiene measures:

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Pay special attention to hands, forearms and face.

Measures to avoid environmental exposure:

No specific requirements.

Individual protection measures, such as personal protective equipment

Generally:

Use only CE marked protective equipment.

Respiratory Equipment:

Type	Class	Colour	Standards	
No special when used as intended.				

Skin protection:

Recommended	Type/Category	Standards	
No special when used as intended.	-	-	

Hand protection:

Work situation	Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
	No special when used as intended	-	-	-	
In the event of prolonged exposure or high concentrations	Cotton/Latex	-	> 120	EN374-2, EN16523-1, EN388	

Eye protection:

Work situation	Type	Standards	
	No special when used as intended.	-	
In the event of prolonged exposure or high concentrations	Safety glasses with side shields.	EN166	

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Form:

Liquid

Colour:

Colourless

Odour:

Of perfume

Odour threshold (ppm):

No data available.

pH:

ca. 4.8

Density (g/cm³):

1.02 (20 °C)

Kinematic viscosity:

No data available.

Particle characteristics:

Does not apply to liquids.

Phase changes

Melting point/Freezing point (°C):

No data available.

Softening point/range (°C):

Does not apply to liquids.

Boiling point (°C):

No data available.

Vapour pressure:

No data available.

Relative vapour density:

No data available.

Decomposition temperature (°C):

No data available.

Evaporation rate (n-butylacetate = 100):

Data on fire and explosion hazards

Flash point (°C):

No data available.

Flammability (°C):

No data available.

Auto-ignition temperature (°C):

No data available.

Explosion limits (% v/v):

No data available.

Solubility

Solubility in water:

Completely soluble

n-octanol/water coefficient (LogKow):

No data available.

Solubility in fat (g/L):

No data available.

9.2. Other information

No data available.

Other physical and chemical parameters:

No data available.

Oxidizing properties:

No data available.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

10.2. Chemical stability

The product is stable under the conditions, noted in section 7 "Handling and storage".

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity

Product/substance	hydrogen peroxide
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	1.193 - 1.270 mg/L

Product/substance	hydrogen peroxide
Species:	Rabbit
Route of exposure:	Dermal
Test:	LD50
Result:	>2.000 (35% oplossing) mg/kg

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	500 mg/kg

Based on available data, the classification criteria are not met.

Skin corrosion/irritation

Product/substance	hydrogen peroxide
Result:	Adverse effect observed (Irritating)

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Test method:	OECD 404
Result:	Adverse effect observed (Irritating)

Based on available data, the classification criteria are not met.

Serious eye damage/irritation

Product/substance	hydrogen peroxide
Result:	Adverse effect observed (Causes serious eye damage)

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Test method:	OECD 405
Result:	Adverse effect observed (Causes serious eye damage)

Based on available data, the classification criteria are not met.

Respiratory sensitisation

Product/substance	hydrogen peroxide
Result:	No adverse effect observed (not sensitising)

Based on available data, the classification criteria are not met.

Skin sensitisation

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Test method:	OECD 429
Species:	Mouse
Result:	Adverse effect observed (sensitising)

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Test method:	OECD 406
Species:	Guinea pig
Result:	Adverse effect observed (sensitising)

Based on available data, the classification criteria are not met.

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Product/substance	hydrogen peroxide
Conclusion:	No adverse effect observed

Based on available data, the classification criteria are not met.

hydrogen peroxide has been classified by IARC as a group 3 carcinogen.

Reproductive toxicity

Product/substance	hydrogen peroxide
Conclusion:	No adverse effect observed

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Product/substance hydrogen peroxide

Based on available data, the classification criteria are not met.

Long term effects

None known.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Product/substance	hydrogen peroxide
Species:	Fish, Pimephales promelas
Duration:	96 hours
Test:	LC50
Result:	16,4 mg/L

Product/substance	hydrogen peroxide
Species:	Fish, Leuciscus idus
Duration:	72 hours
Test:	LC50
Result:	35 mg/L

Product/substance	hydrogen peroxide
Species:	Fish, Oncorhynchus mykiss
Duration:	7 days
Test:	LC50
Result:	38,5 mg/L

Product/substance	hydrogen peroxide
Species:	Daphnia pulex
Duration:	48 hours
Test:	EC50
Result:	2,4 mg/L

Product/substance	hydrogen peroxide
Species:	Daphnia magna
Duration:	24 hours
Test:	EC50
Result:	7,7 mg/L

Product/substance	hydrogen peroxide
Species:	Skeletonema costatum
Duration:	72 hours
Test:	EC50
Result:	1,38 mg/L

Product/substance	hydrogen peroxide
Test method:	OECD 209
Species:	Bacteria
Compartment:	Activated Sludge Plant
Duration:	30 minutes
Test:	EC50
Result:	466 mg/L

According to GHS Rev. 8, 2019

Product/substance	hydrogen peroxide
Test method:	OECD 209
Species:	Bacteria
Compartment:	Activated Sludge Plant
Duration:	3 hours
Test:	EC50
Result:	> 1.000 mg/L
Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Species:	Fish
Duration:	96 hours
Test:	LC50
Result:	>0.1-1 mg/L
Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Species:	Crustacean
Duration:	48 hours
Test:	EC50
Result:	>0.1-1 mg/L
Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Species:	Algae
Duration:	72 hours
Test:	EC50
Result:	>0.1-1 mg/L

Based on available data, the classification criteria are not met.

12.2. Persistence and degradability

Product/substance	Alcohol, C13, bran., EO, sulfate Na~
Result:	> 60 %
Conclusion:	Readily biodegradable
Test:	OECD 301 B

Product/substance	hydrogen peroxide
Conclusion:	Readily biodegradable

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Result:	90%
Conclusion:	Readily biodegradable
Test:	OECD 302

12.3. Bioaccumulative potential

Product/substance	hydrogen peroxide
LogKow:	-1,57
Conclusion:	-

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
BCF:	2
LogKow:	1.45
Conclusion:	Potential for bioaccumulation is low

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

12.6. Other adverse effects

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

Dispose of contents/container to an approved waste disposal plant.

Specific labelling

Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: TRANSPORT INFORMATION

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Packing group

** Environmental hazards

Additional information

Not dangerous goods according to ADR, IATA and IMDG.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

No data available.

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Restrictions for application:

Restricted to professional users.

Demands for specific education:

No specific requirements.

Additional information:

Not applicable.

Sources:

Globally Harmonized System of Classification and Labelling of Chemicals (GHS Rev. 8, 2019)

15.2. Chemical safety assessment

No

SECTION 16: OTHER INFORMATION

Full text of H-phrases as mentioned in section 3

H271, May cause fire or explosion; strong oxidiser.

H302, Harmful if swallowed.

H314, Causes severe skin burns and eye damage.

H315, Causes skin irritation.

H318, Causes serious eye damage.

H319, Causes serious eye irritation.
H332, Harmful if inhaled.
H336, May cause drowsiness or dizziness.
H412, Harmful to aquatic life with long lasting effects.

The full text of identified uses as mentioned in section 1

None known.

Abbreviations and acronyms

ACGIH = American Conference of Governmental Industrial Hygienists
ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway
ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
CAS = Chemical Abstracts Service
CERCLA = Comprehensive Environmental Response Compensation and Liability Act
DOT = Department of Transportation
EINECS = European Inventory of Existing Commercial chemical Substances
EPCRA = Emergency Planning and Community Right-To-Know Act
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
HCIS = Hazardous Chemical Information System
HNOC = Hazards Not Otherwise Classified
IARC = International Agency for Research on Cancer
IATA = International Air Transport Association
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
NFPA = National Fire Protection Association
NIOSH = National Institute for Occupational Safety and Health
OECD = Organisation for Economic Co-operation and Development
OSHA = Occupational Safety and Health Administration
PBT = Persistent, Bioaccumulative and Toxic
RCRA = Resource Conservation and Recovery Act
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
RRN = REACH Registration Number
SARA = Superfund Amendments and Reauthorization Act
SCL = A specific concentration limit.
STEL = Short-term exposure limits
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
STOT-SE = Specific Target Organ Toxicity - Single Exposure
TSCA = The Toxic Substances Control Act
TWA = Time weighted average
UN = United Nations
UVBC = Unknown or variable composition, complex reaction products or of biological materials
VOC = Volatile Organic Compound
vPvB = Very Persistent and Very Bioaccumulative

Additional information

Not applicable.

The safety data sheet is validated by

Quality & Compliance

Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

Country-language: QA-en

FIȘĂ CU DATE DE SECURITATE

i.1 all-purpose cleaner FlexDose

SECȚIUNEA 1: IDENTIFICAREA SUBSTANȚEI/AMESTECULUI ȘI A SOCIETĂȚII/ÎNȚREPRINDERII

1.1. Element de identificare a produsului

▼ *Nume comercial:*

i.1 all-purpose cleaner FlexDose

1.2. Utilizări relevante identificate ale substanței sau ale amestecului și utilizări contraindicate

Utilizări de identificare relevante ale substanței sau amestecurilor:

Detergenți și agenți de curățare (inclusiv cei pe bază de solvenți)

Utilizare limitată numai în scopuri profesionale.

Utilizați împotriva:

Nimeni familiar.

1.3. Detalii privind furnizorul fișei cu date de securitate

Companie și adresă:

Hygeniq B.V.

Postbus 618

7500 AP Enschede

The Netherlands

+31 53 4282860

+31 53 5393865

www.hygeniq.com

E-mail:

info@hygeniq.com

Revizuire:

27.06.2025

Versiune SDS:

2.0

Data emiterii anterioare:

02.06.2025 (1.0)

1.4. Număr de telefon care poate fi apelat în caz de urgență

BIROUL PT REGULAMENTUL SANITAR INTERNATIONAL SI INFORMARE TOXICOLOGICA: (+40) 21 599 2300

Vedeți secțiunea 4 - Măsurile de prim ajutor

SECȚIUNEA 2: IDENTIFICAREA PERICOLELOR

2.1. Clasificarea substanței sau a amestecului

Neclasificat în conformitate cu Regulamentul (CE) Nr. 1272/2008 (CLP).

2.2. Elemente pentru etichetă

Pictograma periculoasă:

Nu este aplicabil.

Cuvânt de semnal:

Nu este aplicabil.

Declarație periculoasă:

Nu este aplicabil.

Fraze de precauție:

General:

-

Prevenire:

-

Raspuns:

-

Stocare:

-

Aruncare:

-

Identitatea substanțelor ce sunt responsabile pentru majoritatea pericolelor de sănătate.:

Nu conține substanțe necesare pentru a raporta

Etichetare adițională:

EUH210, Fișa cu date de securitate disponibilă la cerere.

Etichetarea conținutului în conformitate cu Regulamentul privind detergenții 648/2004 (aplicabil ambalajelor detergenților vânduți publicului larg):

>5% - <15%

· Agenți tensioactivi neionici

< 5%

· Agenți tensioactivi anionici

· Agenți de înălbire pe bază de oxigen

· Parfumuri

· Conservant (BENZISOTHIAZOLINONE)

2.3. Alte pericole

Avertismente adiționale:

Acest amestec/produs nu conține nicio substanță care îndeplinește criteriile de clasificare ca PBT și/sau vPvB.

Acest produs nu conține substanțe considerate a fi perturbatoare endocrine în conformitate cu criteriile incluse în Regulamentul Delegat al Comisiei (UE) 2017/2100 sau Regulamentul Comisiei (UE) 2023/707.

SECȚIUNEA 3: COMPOZIȚIE/INFORMAȚII PRIVIND COMPONENTII

3.1. Substanțe

Nu este aplicabil. Acest produs este un amestec.

3.2. Amestecuri

Produs/ingredient	Identificatori	% w/w	Clasificare	Notițe
Alcohol, C13, bran., EO, sulfat Na~	Nr. CAS: 150413-26-6 Nr. CE: 688-316-0 REACH: Nr. de index:	1-3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 3, H412	
peroxid de hydrogen, solutie 35%	Nr. CAS: 7722-84-1 Nr. CE: 231-765-0 REACH: 01-2119485845-22-XXXX Nr. de index: 008-003-00-9	1-3%	Ox. Liq. 1, H271 Acute Tox. 4, H302 Skin Corr. 1A, H314 (SCL: 70,00 %) Skin Corr. 1B, H314 (SCL: 50,00 %) Skin Irrit. 2, H315 (SCL: 35,00 %) Eye Dam. 1, H318 (SCL: 8,00 %) Eye Irrit. 2, H319 (SCL: 5,00 %) Acute Tox. 4, H332 STOT SE 3, H336 (SCL: 35,00 %)	

citroenzuurmonohydraat	Nr. CAS: 5949-29-1 Nr. CE: 611-842-9 REACH: 01-2119457026-42-XXXX Nr. de index:	<0.1%	Eye Irrit. 2, H319	
Disodium tin hexahydroxide	Nr. CAS: 12027-70-2 Nr. CE: 234-724-5 REACH: 01-2120770924-45-XXXX Nr. de index:	<0.05%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	[1]

Vedeți textul complet al frazelor H în secțiunea 16. Limitele de expunere ocupaționale sunt listate în secțiunea 8, dacă sunt disponibile.

Alte informații

[1] Limita de expunere profesională în Europa.

SECȚIUNEA 4: MĂSURI DE PRIM AJUTOR

4.1. Descrierea masurilor de prim ajutor

Informații generale:

În cazul accidentului contactați imediat doctorul sau departamentul în cauză. Luați cu dvs. Eticheta sau dateșe de siguranță.

Contactați un doctor, dacă aveți dubii cu privire la condițiile persoanei rănite sau dacă simptomele continuă.

Niciodată nu oferiți unei persoane inconștientă apă sau produse similare.

Inhalare:

La dificultăți de respirație sau iritații ale tractului respirator: Scoateți persoana la aer curat și rămâneți cu ea.

Contact cu pielea:

În caz de iritație, clătiți produsul. În cazul unei iritații continue, apelați imediat la asistență medicală.

Contactul cu ochii:

ÎN CAZ DE CONTACT CU OCHII: Clătiți ochii cu apă sau apă de mare (20-30 °C) pentru cel puțin 5 minute.

Îndepărtați lentilele de contact. Apelați la asistență medicală și continuați să vă clătiți pe drum.

Înghițire:

Dacă persoana este conștientă, clătiți-i gura cu apă și rămâneți cu persoana respectivă. Dacă persoana nu se simte bine, contactați imediat doctorul și luați datele de siguranță sau eticeta produsului cu dvs. Nu induceți vomitarea decât dacă acest lucru este recomandat de doctor. Țineți capul în jos astfel încât voma să nu intre înapoi în gură și gât.

Arsuri:

Nu este aplicabil.

4.2. Cele mai importante simptome și efecte, atât acute, cât și întârziate

Nimeni familiar.

4.3. Indicații privind orice fel de asistență medicală imediată și tratamentele speciale necesare

Tratați simptomatic.

Informații pentru medici

Aduceți fișă cu date de securitate și eticheta materialului cu dvs.

SECȚIUNEA 5: MĂSURI DE COMBATERE A INCENDIILOR

5.1. Mijloace de stingere a incendiilor

Nu este aplicabil.

5.2. Pericole speciale cauzate de substanța sau de amestecul în cauză

Focul va rezulta într-un fum gros. Expunerea la produsele catabolice pot dăuna sănătății. Containerele închise ce sunt expuse la foc trebuie să fie răcite cu apă. Nu lăsați apa din extincătoare de foc să intre în containere și alți curenți de apă.

Dacă produsul este expus la temperaturi ridicate, precum focul, sunt produse substanțe catabolice periculoase.

Acestea sunt

Oxizi de carbon (CO / CO₂)

5.3. Recomandari destinate pompierilor

Nu există cerințe specifice.

SECȚIUNEA 6: MĂSURI DE LUAT ÎN CAZ DE DISPERSIE ACCIDENTALĂ

6.1. Precauții personale, echipament de protecție și proceduri de urgență

Zonele contaminate pot fi alunecoase.

6.2. Precauții pentru mediul înconjurător

Evitați descărcarea în lacuri, ape curgătoare, canale colectoare, etc.

Țineți persoanele neautorizate departe de deversare.

6.3. Metode și material pentru izolarea incendiilor și pentru curățenie

Opriti și colectați scurgerile cu material necombustibil, absorbant, de ex. nisip, pământ, vermiculită sau pământ de diatomee, și puneți-le într-un recipient pentru eliminare în conformitate cu reglementările locale.

Curățarea trebuie să fie făcută cât mai departe posibil utilizând agenți de curățare. Nu utilizați solvenți.

6.4. Trimitere la alte secțiuni

Vedeți secțiunea 13 Considerații privind eliminarea - pentru manipularea deșeurilor.

Vedeți secțiunea 8 Controale ale expunerii/protecția personală măsuri de protecție.

SECȚIUNEA 7: MANIPULAREA ȘI DEPOZITAREA

7.1. Precauții pentru manipularea în condiții de securitate

Fumatul, consumul alimentelor și lichidelor, și stocarea tutunului, alimentelor și lichidelor nu este permisă în zonele de lucru.

Vedeți secțiunea Controale ale expunerii/protecția personală pentru informații privind măsuri de protecție personală.

7.2. Condiții de depozitare în condiții de securitate, inclusiv eventuale incompatibilități

Containerele care au fost deschise trebuie să fie eliberate cu atenție și menținute drepte pentru a preveni scurgerile.

Compatibilitățile privind ambalarea:

A se păstra numai în ambalajul original.

Condiții de depozitare:

Uscată, răcoroasă și bine ventilată

Materiale incompatibile:

Acizi puternici, baze puternice, agenți de oxidare puternici, și agenți de reducere puternici

7.3. Utilizare (utilizari) finală (finale) specifică (specifice)

Acest produs trebuie să fie utilizat doar pentru aplicarea descrisă în secțiunea 1.2.

SECȚIUNEA 8: CONTROALE ALE EXPUNERII/PROTECȚIA PERSONALĂ

8.1. Parametri de control

Produsul nu conține nicio substanță menționată în lista de substanțe cu o limită de expunere profesională, valabilă în România.

DNEL

1,2-benzotiazol-3(2H)-onă; 1,2-benzisotiazolin-3-onă; 1,2-benzisotiazolin-3-ona

Durata:	Ruta expunerii:	DNEL:
Termen lung - efecte sistemice - lucrători	Epidermică	966 µg/kg/zi

Este conform cu Regulamentul (CE) nr. 1907/2006 (REACH), Anexa II, amendată prin Regulamentul (UE) nr. 2020/878

Termen lung - efecte sistemice - populație generală	Epidermică	0.345 mg/kg
Termen lung - efecte sistemice - lucrători	Inhalare	6.81 mg/m ³
Termen lung - efecte sistemice - populație generală	Inhalare	1.2 mg/m ³

Disodium tin hexahydroxide

Durata:	Ruta expunerii:	DNEL:
Termen lung - efecte sistemice - lucrători	Epidermică	3.37 mg/kg/zi
Termen lung - efecte sistemice - populație generală	Epidermică	1.21 mg/kg/zi
Termen lung - efecte sistemice - lucrători	Inhalare	11.9 mg/m ³
Termen lung - efecte sistemice - populație generală	Inhalare	1.78 mg/m ³
Termen lung - efecte sistemice - populație generală	Orală	1.21 mg/kg/zi

peroxid de hydrogen, solutie 35%

Durata:	Ruta expunerii:	DNEL:
Termen lung - efecte locale - lucrători	Inhalare	1.4 mg/m ³
Termen lung - efecte locale - populație generală	Inhalare	0.21 mg/m ³
Termen lung - efecte locale - populație generală	Inhalare	210 µg/m ³
Termen scurt - efecte locale - lucrători	Inhalare	3 mg/m ³
Termen scurt - efecte locale - populație generală	Inhalare	1.93 mg/m ³

PNEC

1,2-benzotiazol-3(2H)-onă; 1,2-benzisotiazolin-3-onă; 1,2-benzisotiazolin-3-ona

Ruta expunerii:	Durata expunerii:	PNEC:
Apă de mare		403 ng/L
Apă dulce		4.03 µg/L
Eliberare intermitentă (apă de mare)		110 ng/L
Eliberare intermitentă (apă dulce)		1.1 µg/L
Sedimente de apă de mare		4.99 µg/kg
Sedimente de apă dulce		49.9 µg/kg
Sol		3 mg/kg
Stație de epurare a apelor uzate		1.03 mg/L

Disodium tin hexahydroxide

Ruta expunerii:	Durata expunerii:	PNEC:
Apă de mare		3.31 µg/L
Apă dulce		33.1 µg/L
Eliberare intermitentă (apă de mare)		33.1 µg/L
Eliberare intermitentă (apă dulce)		331 µg/L
Sedimente de apă de mare		139.46 µg/kg
Sedimente de apă dulce		1.395 mg/kg
Stație de epurare a apelor uzate		10 mg/L

peroxid de hydrogen, solutie 35%

Ruta expunerii:	Durata expunerii:	PNEC:
Apă de mare		0.047 mg/L
Apă de mare		12.6 µg/L
Apă dulce		0.0126 mg/L

Apă dulce		12.6 µg/L
Eliberare intermitentă (apă dulce)		13.8 µg/L
Sedimente de apă de mare		0,047 mg/L
Sedimente de apă de mare		47 µg/kg
Sedimente de apă dulce		0,047 mg/kg
Sedimente de apă dulce		47 µg/kg
Sol		0,023 mg/kg
Sol		2.3 µg/kg
Stație de epurare a apelor uzate		4.66 mg/L
Stație de epurare a apelor uzate		4.66 mg/L

8.2. Controale ale expunerii

Controlați aplicarea în general pentru a preveni expunerea inutilă.

Recomandări generale:

Fumatul, consumul alimentelor și lichidelor, și stocarea tutunului, alimentelor și lichidelor nu este permisă în zonele de lucru.

Scenariile de expunere:

Nu există scenarii de expunere implementate pentru acest produs

Limite expunere:

Dacă nu există limite maxime de expunere pentru substanțe conținute în acest produs.

Măsuri tehnice corespunzătoare:

Aplicați măsurile standard de precauție în timpul utilizării produsului. Evitați inhalarea vaporilor.

Măsuri de igienă:

Atunci când doriți să luați o pauză de la utilizarea acestui produs sau când ați terminat, toate zonele corpului expuse trebuie să fie spălate. Acordați o atenție deosebită mâinilor, antebrățelor și feței.

Măsuri pentru evitarea expunerii la mediu:

Nu există cerințe specifice.

Măsuri de protecție individuale, cum ar fi echipamente de protecție personale

General:

Utilizați doar echipamentele de protecție marcate CE

Echipament de respirație:

Tipul	Clasa	Culoare	Standardele	
Nu este special dacă este utilizat după scop				

Protecția pielii:

Recomandat	Tip/Categoria	Standardele	
Nu este special dacă este utilizat după scop	-	-	

Protecția mâinii:

Situație de lucru	Material	Grosimea minimă a stratului (mm)	Timpul de perforare (min.)	Standardele	
	Nu este special dacă este utilizat după scop	-	-	-	
În cazul expunerii prelungite sau al concentrațiilor ridicate	Bumbac / Cauciuc natural (latex)	-	> 120	EN374-2, EN16523-1, EN388	

Protecția ochilor:

Situație de lucru	Tipul	Standardele	
	Nu este special dacă este utilizat după scop	-	
În cazul expunerii prelungite sau al concentrațiilor ridicate	Purtați ochelari cu protecție laterală.	EN166	

SECȚIUNEA 9: PROPRIETĂȚILE FIZICE ȘI CHIMICE

9.1. Informații privind proprietățile fizice și chimice de bază

Forma:

Lichid

Culoare:

Incolor

Parfum / Pragul de acceptare a mirosului (ppm):

De parfum

pH:

ca. 4.8

Densitate (g/cm³):

1,02 (20 °C)

Viscozitatea cinematică:

Nu există date disponibile.

Caracteristicile particulei:

Nu se aplică lichidelor.

Modificari fazice

Punctul de topire/punctul de înghețare (°C):

Nu există date disponibile.

Punctul / intervalul de înmuiere (°C):

Nu se aplică lichidelor.

Punct de fierbere (°C):

Nu există date disponibile.

Presiune vaporica:

Nu există date disponibile.

Densitatea relativă a vaporilor:

Nu există date disponibile.

Temperatura de descompunere (°C):

Nu există date disponibile.

Date privind focul și pericolele de explozie

Temperatura de aprindere (°C):

Nu există date disponibile.

Inflamabilitatea (°C):

Nu există date disponibile.

Temperatura de autoaprindere (°C):

Nu există date disponibile.

Limite expunere (Vol%):

Nu există date disponibile.

Solubilitate

Solubilitate în apă:

Complet solubil

n-octanol/ coeficient apa (LogKow):

Nu există date disponibile.

Solubilitate în grasimi (g/L):

Nu există date disponibile.

9.2. Alte informații

Alți parametri fizici și chimici:

Nu există date disponibile.

Proprietăți oxidante:

Nu există date disponibile.

SECȚIUNEA 10: STABILITATE ȘI REACTIVITATE

10.1. Reactivitate

Nu există date disponibile.

10.2. Stabilitate chimică

Produsul este stabil în conformitate cu condițiile, notate în secțiunea 7 "Manipularea și depozitarea"

10.3. Posibilitatea de reacții periculoase

Nimeni familiar.

10.4. Condiții de evitat

Nimeni familiar.

10.5. Materiale incompatibile

Acizi puternici, baze puternice, agenți de oxidare puternici, și agenți de reducere puternici

10.6. Produși de descompunere periculoși

În condiții normale de depozitare și utilizare, nu ar trebui să se genereze produși de descompunere periculoși.

SECȚIUNEA 11: INFORMAȚII TOXICOLOGICE

11.1. Informații privind clasele de pericol definite în Regulamentul (CE) nr. 1272/2008

Toxicitate acută

Produs/ingredient	peroxid de hydrogen, solutie 35%
Specii:	Șobolan
Ruta expunerii:	Orală
Test:	LD50
Rezultat:	1.193 - 1.270 mg/L

Produs/ingredient	peroxid de hydrogen, solutie 35%
Specii:	Iepure
Ruta expunerii:	Epidermică
Test:	LD50
Rezultat:	>2.000 (35% oplossing) mg/kg

Produs/ingredient	1,2-benzizotiazol-3(2H)-onă; 1,2-benzisotiazolin-3-onă; 1,2-benzisotiazolin-3-ona
Specii:	Șobolan
Ruta expunerii:	Orală
Test:	LD50
Rezultat:	500 mg/kg

Pe baza datelor disponibile, criteriile de clasificare nu sunt îndeplinite.

Coroziunea/ iritația pielii

Produs/ingredient	peroxid de hydrogen, solutie 35%
Rezultat:	Se observă efecte adverse (Iritant)

Produs/ingredient	1,2-benzizotiazol-3(2H)-onă; 1,2-benzisotiazolin-3-onă; 1,2-benzisotiazolin-3-ona
Metoda de testare:	OECD 404
Rezultat:	Se observă efecte adverse (Iritant)

Pe baza datelor disponibile, criteriile de clasificare nu sunt îndeplinite.

Daune serioase ale ochilor/ iritație

Produs/ingredient	peroxid de hydrogen, solutie 35%
Rezultat:	Se observă efecte adverse (Provoacă leziuni oculare grave)

Produs/ingredient	1,2-benzizotiazol-3(2H)-onă; 1,2-benzisotiazolin-3-onă; 1,2-benzisotiazolin-3-ona
Metoda de testare:	OECD 405
Rezultat:	Se observă efecte adverse (Provoacă leziuni oculare grave)

Pe baza datelor disponibile, criteriile de clasificare nu sunt îndeplinite.

Sensibilizarea căilor respiratorii

Produs/ingredient	peroxid de hydrogen, solutie 35%
Rezultat:	Nu se observă efecte adverse (nesensibilizând)

Pe baza datelor disponibile, criteriile de clasificare nu sunt îndeplinite.

Sensibilizarea pielii

Produs/ingredient	1,2-benzizotiazol-3(2H)-onă; 1,2-benzisotiazolin-3-onă; 1,2-benzisotiazolin-3-ona
Metoda de testare:	OECD 429
Specii:	Șoarece
Rezultat:	Se observă efecte adverse (sensibilizante)

Produs/ingredient	1,2-benzizotiazol-3(2H)-onă; 1,2-benzisotiazolin-3-onă; 1,2-benzisotiazolin-3-ona
Metoda de testare:	OECD 406
Specii:	Cobai
Rezultat:	Se observă efecte adverse (sensibilizante)

Pe baza datelor disponibile, criteriile de clasificare nu sunt îndeplinite.

Mutație celule embrioni

Pe baza datelor disponibile, criteriile de clasificare nu sunt îndeplinite.

Cancerigenitate

Produs/ingredient	peroxid de hydrogen, solutie 35%
Concluzie:	Nu se observă efecte adverse

Pe baza datelor disponibile, criteriile de clasificare nu sunt îndeplinite.

Toxicitate reproductiva

Produs/ingredient	peroxid de hydrogen, solutie 35%
Concluzie:	Nu se observă efecte adverse

Pe baza datelor disponibile, criteriile de clasificare nu sunt îndeplinite.

Expunere singulara STOT

Pe baza datelor disponibile, criteriile de clasificare nu sunt îndeplinite.

Expunere repetata STOT

Pe baza datelor disponibile, criteriile de clasificare nu sunt îndeplinite.

Aspirare periculoasa

Produs/ingredient	peroxid de hydrogen, solutie 35%

Pe baza datelor disponibile, criteriile de clasificare nu sunt îndeplinite.

11.2. Informații privind alte pericole

Efecte pe termen lung

Nimeni familiar.

Proprietăți de perturbator endocrin

Acest amestec/produs nu conține nicio substanță considerată a avea proprietăți de perturbare hormonală în ceea ce privește sănătatea.

Alte informații

peroxid de hydrogen, solutie 35%: Substanța a fost clasificată în grupa 3 de către IARC.

SECȚIUNEA 12: INFORMAȚII ECOLOGICE

12.1. Toxicitatea

Produs/ingredient peroxid de hydrogen, solutie 35%
Specii: Pește, Pimephales promelas
Durata: 96 ore
Test: LC50
Rezultat: 16,4 mg/L

Produs/ingredient peroxid de hydrogen, solutie 35%
Specii: Pește, Leuciscus idus
Durata: 72 ore
Test: LC50
Rezultat: 35 mg/L

Produs/ingredient peroxid de hydrogen, solutie 35%
Specii: Pește, Oncorhynchus mykiss
Durata: 7 de zile
Test: LC50
Rezultat: 38,5 mg/L

Produs/ingredient peroxid de hydrogen, solutie 35%
Specii: Daphnia pulex
Durata: 48 ore
Test: EC50
Rezultat: 2,4 mg/L

Produs/ingredient peroxid de hydrogen, solutie 35%
Specii: Daphnia magna
Durata: 24 ore
Test: EC50
Rezultat: 7,7 mg/L

Produs/ingredient peroxid de hydrogen, solutie 35%
Specii: Skeletonema costatum
Durata: 72 ore
Test: EC50
Rezultat: 1,38 mg/L

Produs/ingredient peroxid de hydrogen, solutie 35%
Metoda de testare: OECD 209
Specii: Bacterii
Compartimentul de mediu: Stație de nămoluri uzate
Durata: 30 minutes
Test: EC50
Rezultat: 466 mg/L

Produs/ingredient peroxid de hydrogen, solutie 35%
Metoda de testare: OECD 209
Specii: Bacterii
Compartimentul de mediu: Stație de nămoluri uzate
Durata: 3 ore
Test: EC50
Rezultat: > 1.000 mg/L

Produs/ingredient 1,2-benzizotiazol-3(2H)-onă; 1,2-benzisotiazolin-3-onă; 1,2-benzisotiazolin-3-ona
Specii: Pește
Durata: 96 ore

Este conform cu Regulamentul (CE) nr. 1907/2006 (REACH), Anexa II, amendată prin Regulamentul (UE) nr. 2020/878

Test: LC50
Rezultat: >0.1-1 mg/L

Produs/ingredient 1,2-benzizotiazol-3(2H)-onă; 1,2-benzisotiazolin-3-onă; 1,2-benzisotiazolin-3-ona
Specii: Crustacee
Durata: 48 ore
Test: EC50
Rezultat: >0.1-1 mg/L

Produs/ingredient 1,2-benzizotiazol-3(2H)-onă; 1,2-benzisotiazolin-3-onă; 1,2-benzisotiazolin-3-ona
Specii: Alge
Durata: 72 ore
Test: EC50
Rezultat: >0.1-1 mg/L

Pe baza datelor disponibile, criteriile de clasificare nu sunt îndeplinite.

12.2. Persistența și degradabilitatea

Produs/ingredient Alcohol, C13, bran., EO, sulfat Na~
Rezultat: > 60 %
Concluzie: Biodegradabilitate rapidă
Test: OECD 301 B

Produs/ingredient peroxid de hydrogen, solutie 35%
Concluzie: Biodegradabilitate rapidă

Produs/ingredient 1,2-benzizotiazol-3(2H)-onă; 1,2-benzisotiazolin-3-onă; 1,2-benzisotiazolin-3-ona
Rezultat: 90%
Concluzie: Biodegradabilitate rapidă
Test: OECD 302

Agentul/Agenții tensioactiv(i) conținut(ți) în acest preparat corespunde/corespund criteriilor de biodegradabilitate prevăzute de Reglementarea (CE) Nr.648/2004 privind detergenții. Datele care susțin această afirmație sunt ținute la dispoziția autorităților competente ale Statelor Membre și le vor fi furnizate la cererea directă a acestora sau la cererea unui producător de detergenți.

12.3. Potențialul de bioacumulare

Produs/ingredient peroxid de hydrogen, solutie 35%
LogKow: -1,57
Concluzie: -

Produs/ingredient 1,2-benzizotiazol-3(2H)-onă; 1,2-benzisotiazolin-3-onă; 1,2-benzisotiazolin-3-ona
BCF: 2
LogKow: 1.45
Concluzie: Potențialul de bioacumulare este scăzut

12.4. Mobilitatea în sol

Nu există date disponibile.

12.5. Rezultatele evaluărilor PBT și vPvB

Acest amestec/produs nu conține nicio substanță care îndeplinește criteriile de clasificare ca PBT și/sau vPvB.

12.6. Proprietăți de perturbator endocrin

Acest amestec/produs nu conține nicio substanță considerată a avea proprietăți de perturbare a sistemului endocrin în raport cu mediul.

12.7. Alte efecte adverse

Nimeni familial.

SECȚIUNEA 13: CONSIDERAȚII PRIVIND ELIMINAREA

13.1. Metode de tratare a deșeurilor

Acest produs este acoperit de regulamentele privind deșeurile periculoase. (*)
HP 4 - Iritante (iritarea pielii și leziuni oculare)
Regulamentul (UE) NR. 1357/2014 al Comisiei din 18 decembrie 2014 privind deșeurile.

Cod EWC:
20 01 30 Detergenți, alții decât cei de la 20 01 29

Ambalare contaminată

Pachetele ce conțin resturi din produse trebuie dispuse în același loc ca și produsul.

SECȚIUNEA 14: INFORMAȚII REFERITOARE LA TRANSPORT

	14.1 ONU	14.2 Denumirea corectă ONU pentru expediție	14.3 Clasa (clasele) de pericol pentru transport	14.4 PG*	14.5. Env**	Alte informații:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Grupul de ambalare

** Pericole pentru mediul înconjurător

Informații adiționale

Nu sunt listate bunuri periculoase în conformitate cu ADR, IATA și regulamentele IMDG.

14.6. Precauții speciale pentru utilizatori

Nu este aplicabil.

14.7. Transportul maritim în vrac în conformitate cu instrumentele OMI

Nu există date disponibile.

SECȚIUNEA 15: INFORMAȚII DE REGLEMENTARE

15.1. Regulamente/legislație în domeniul securității, al sănătății și al mediului specifice (specifică) pentru substanța sau amestecul în cauză

Restricții pentru aplicare:

Utilizare limitată numai în scopuri profesionale.

Cerințe pentru instruire corespunzătoare:

Nu există cerințe specifice.

SEVESO - Categoriile de substanțe periculoase / Denumirea substanțelor periculoase:

Nu este aplicabil.

Regulamentul privind precursorilor de explozivi:

peroxid de hidrogen, soluție 35% (Anexa I)

Etichetarea conținutului în conformitate cu Regulamentul privind detergenții 648/2004:

>5% - <15%

· Agenți tensioactivi neionici

< 5%

· Agenți tensioactivi anionici

· Agenți de înălbire pe bază de oxigen

· Parfumuri

· Conservant (BENZISOTHIAZOLINONE)

Informații adiționale:

Agentul/Agenții tensioactiv(i) conținut(ți) în acest preparat corespunde/corespund criteriilor de biodegradabilitate prevăzute de Reglementarea (CE) Nr.648/2004 privind detergenții. Datele care susțin această afirmație sunt ținute la dispoziția autorităților competente ale Statelor Membre și le vor fi furnizate la cererea directă a acestora sau la cererea unui producător de detergenți.

Surse:

Regulamentul (CE) nr. 648/2004 al Parlamentului European și al Consiliului din 31 martie 2004 privind detergenții.
Regulamentul (UE) NR. 1357/2014 al Comisiei din 18 decembrie 2014 privind deșeurile.
Regulamentul (UE) 2019/1148 privind precursorilor de explozivi.
Regulamentul (CE) nr. 1272/2008 al Parlamentului European și al Consiliului din 16 decembrie 2008 privind clasificarea, etichetarea și ambalarea substanțelor și a amestecurilor (CLP).
Regulamentul (CE) nr. 1907/2006 al Parlamentului European și al Consiliului din 18 decembrie 2006 privind înregistrarea, evaluarea, autorizarea și restricționarea substanțelor chimice (REACH).

15.2. Evaluarea securității chimice

Nu

SECȚIUNEA 16: ALTE INFORMAȚII

Textul complet al frazelor H sunt menționate în secțiunea 3.

H271, Poate provoca un incendiu sau o explozie; oxidant puternic.
H302, Nociv în caz de înghițire.
H314, Provoacă arsuri grave ale pielii și lezarea ochilor.
H315, Provoacă iritarea pielii.
H318, Provoacă leziuni oculare grave.
H319, Provoacă o iritare gravă a ochilor.
H332, Nociv în caz de inhalare.
H335, Poate provoca iritarea căilor respiratorii.
H336, Poate provoca somnolență sau amețeală.
H412, Nociv pentru mediul acvatic cu efecte pe termen lung.

Abrevieri și acronime

ADN = Prevederile Europene privind Transportul Internațional de Mărfuri Periculoase pe Ape Continentale
ADR = Acordul European privind Transportul Internațional Rutier de Mărfuri Periculoase
TAE = Toxicitate Acută Estimată
FBC = Factor de Bioconcentrație
CAS = Serviciul de Catalogare al Chimicalelor
CE = Conformité Européenne
CLP = Regulamentul privind Clasificarea, Etichetarea și Ambalarea [Regulamentul (CE) Nr. 1272/2008
COV = Compus Organic Volatil
CSA = Evaluare privind Siguranța Chimică
CSR = Raport privind Siguranța Chimică
DNEL = Nivel Fără Efect
EINECS = Inventarul European al Substanțelor Chimice Existente pe piață
ES = Scenariu de Expunere
specificare EUH = specificare privind pericolul specifică CLP
EuPCS = Sistemul european de clasificare a produselor
EWC = Catalog European pentru Deșeuri
GHS = Sistem Global Harmonizat al Clasificării și Etichetării Chimicalelor
GWP = Potențialul de încălzire globală
IATA = Asociația Internațională a Transportului Aerian
IBC = Container Intermediar Vrac IMDG = Internațional Maritim Mărfuri Periculoase
LogPow = logaritm al octanolului/coeficient al partiției apei
MARPOL 73/78 = Convenția Internațională pentru Prevenirea Poluării provenite de la Nave, 1973 așa cum a fost modificată prin Protocolul din 1978 ("Marpol" = poluare marină)
OECD = Organizația pentru Cooperarea Economică și Dezvoltare
PBT = Persistent, Biocumulativ și Toxic
PNEC = Concentrație Prevăzută Fără Efect
RID = Regulamentul privind Transportul Internațional Feroviar al Mărfurilor Periculoase
RRN = Număr Înregistrare REACH
SCL = Concentrație specifică.
SVHC = Substanțe de Foarte Mare Îngrijorare
STOT-RE = Toxicitate Organ Țintă Specifică - Expunere Repetată
STOT-SE = Toxicitate Organ Țintă Specifică - Expunere Unică
VLA = Medie cântărită în timp

UN = Națiunile Unite

UVCB = compoziție necunoscută sau variabilă, produse cu reacție complexă sau cu materiale biologice

vPvB = Foarte Persistent și Foarte Biocumulativ

Informații adiționale

Nu este aplicabil.

Fișă cu date de securitate este validată de

Quality & Compliance

Altele

O modificare (în proporție cu ultima modificare esențială (primul cifru din versiunea SDS) este marcată cu un triunghi. Informațiile din fișă de securitate se aplică doar acestui produs specific (menționat în secțiunea 1) și nu este în mod necesar corect pentru utilizarea altor chimicale/ produse.

Este recomandat să predeați fișă cu date de securitate actualului utilizator al produsului. Informații cu privire la această fișă nu pot fi folosite ca și specificațiile produsului.

Țară-limbă: RO-ro

БЕЗБЕДНОСНИ ЛИСТ

i.1 all-purpose cleaner FlexDose

ПОГЛАВЉЕ 1. ИДЕНТИФИКАЦИЈА ХЕМИКАЛИЈЕ И ПОДАЦИ О ЛИЦУ КОЈЕ СТАВЉА ХЕМИКАЛИЈУ У ПРОМЕТ

1.1. Идентификација хемикалије

▼ Комерцијално име:

i.1 all-purpose cleaner FlexDose

1.2. Идентификовани начини коришћења хемикалије и начини коришћења који се не препоручују

Употреба материјала/смеше:

Детерџенти и средства за чишћење (укључујући и оне на бази растварача)

Дозвољено само за професионално коришћење.

Употребе које се не препоручују:

Нема познатих.

1.3. Подаци о снабдевачу

Компанија и адреса:

Hygeniq B.V.

Postbus 618

7500 AP Enschede

The Netherlands

+31 53 4282860

+31 53 5393865

www.hygeniq.com

Електронска адреса:

info@hygeniq.com

Датум безбедносног листа:

27.6.2025.

Верзија безбедносног листа:

2.0

Датум претходне верзије:

2.6.2025. (1.0)

1.4. Број телефона за хитне случајеве

Телефонски број хитне помоћ: 194

Дежурни токсиколог (24 сата дневно): +381 (11) 360 84 40

Центар за контролу тровања на ВМА, тел: +381 (11) 266 11 22, +381 (11) 266 27 55

Такође погледајте поглавље 4 за мере прве помоћи.

ПОГЛАВЉЕ 2. ИДЕНТИФИКАЦИЈА ОПАСНОСТИ

2.1. Класификација хемикалије

Није класификовано у складу са уредбом (ЕЗ) бр. 1272/2008 (CLP).

2.2. Елементи обележавања

Пиктограм опасности:

Није применљиво.

Реч упозорења:

Није применљиво.

Обавештење о опасности:

Није применљиво.

Обавештење о мерама предострожности:

Опште:

-

Превенција:

-

Реаговање:

-

Складиштење:

-

Одлагање:

-

Опасне материје:

Не садржи никакве супстанце које је потребно пријавити

Додатно обавештење о опасности:

EUN210, Безбедносни лист доступан на захтев.

Означаванје садржана према ПРАВИЛНИК о детергентима (примењује се на амбалажу детерџента који се продају широј јавности):

>5% - <15%

· Нејонски сурфактанти

< 5%

· Анјонски сурфактанти

· Избељивачи на бази кисеоника

· Мириси

· Конзерванси (BENZISOTHIAZOLINONE)

2.3. Остале опасности

Додатна упозорења:

Ова смеша/производ не садржи супстанце за које се сматра да испуњавају критеријуме да буду класификовани као ПБТ и/или вПвБ.

Овај производ не садржи материје које се сматрају ендокриним дисрумпторима у складу са критеријумима наведеним у Делегираној уредби Комисије (ЕУ) 2017/2100 или Уредби Комисије (ЕУ) 2023/707.

ПОГЛАВЉЕ 3. САСТАВ / ПОДАЦИ О СASTOЈЦИМА

3.1. Подаци о састојцима супстанце

Није применљиво. Овај производ је микстура.

3.2. Подаци о састојцима смеше

Хемијски назив	CAS / EC / индекса / REACH број	% w/w	Класификација	Напомена
Alcohol, C13, bran., EO, sulfate Na~	CAS бр.: 150413-26-6 EC бр.: 688-316-0 REACH: Индекс бр. :	1-3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 3, H412	
hydrogen peroxide	CAS бр.: 7722-84-1 EC бр.: 231-765-0 REACH: 01-2119485845-22-XXXX Индекс бр. : 008-003-00-9	1-3%	Ox. Liq. 1, H271 Acute Tox. 4, H302 Skin Corr. 1A, H314 (SCL: 70,00 %) Skin Corr. 1B, H314 (SCL: 50,00 %) Skin Irrit. 2, H315 (SCL: 35,00 %)	

			Eye Dam. 1, H318 (SCL: 8,00 %) Eye Irrit. 2, H319 (SCL: 5,00 %) Acute Tox. 4, H332 STOT SE 3, H336 (SCL: 35,00 %)	
citroenzuurmonohydraat	CAS бр.: 5949-29-1 EC бр.: 611-842-9 REACH: 01-2119457026-42-XXXX Индекс бр. :	<0.1%	Eye Irrit. 2, H319	
Disodium tin hexahydroxide	CAS бр.: 12027-70-2 EC бр.: 234-724-5 REACH: 01-2120770924-45-XXXX Индекс бр. :	<0.05%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	[1]

Погледајте потпуни текст X-израза у поглавље 16. Границе изложености током рада наведене су у поглавље 8, ако су доступне.

Остали подаци

[1] Европска граница изложености током рада.

ПОГЛАВЉЕ 4. МЕРЕ ПРВЕ ПОМОЋИ

4.1. Опис мера прве помоћи

Опште информације:

Уколико је дисање неправилно, и јављају се поспаност, губитак свести или грчеви: Позовите 194 и одмах почните са мерама помоћи (прва помоћ).

Ако имате сумње у вези са стањем повређене особе или ако симптоми потрају, обратите се лекару. Никад несвесној особи немојте давати воду или неко друго пиће.

После удисања:

Потешкоће са дисањем или иритација дисајних путева: Изведите особу на свеж ваздух и останите уз њу.

У додиру са кожом:

У случају иритације: исперите водом. У случају упорне иритације, потражите лекарску помоћ.

Након контакта са очима:

АКО ДОСПЕ У ОЧИ: Испирајте очи водом или сланом водом (20-30 °C) најмање 5 минута. Извадите контактна сочива. Потражите помоћ лекара и наставите са испирањем током транспорта.

Након гутања:

Ако је особа при свести, исперите уста водом и останите уз особу. У случају слабости, одмах потражите лекарску помоћ и донесите безбедносни лист или етикету са производа. Не изазивајте повраћање, осим ако то лекар не препоручи. Жртва би требало да се нагне напред са главом окренутом на доле како би избегла удисање или гушење садржајем повраћања.

Сагоревање:

Није применљиво.

4.2. Најважнији симптоми и ефекти, акутни и одложени

Нема познатих.

4.3. Хитна медицинска помоћ и посебан третман

Третирајте симптоматски.

Информације за здравствене раднике

Донесите безбедносно упутство .

ПОГЛАВЉЕ 5. МЕРЕ ЗА ГАШЕЊЕ ПОЖАРА

5.1. Средства за гашење пожара

Није применљиво.

5.2. Посебне опасности које могу настати од супстанци и смеша

Пожар ће довести до стварања густог дима. Излагање запалјивим производима може наштетити вашем здрављу. Затворене посуде изложене ватри требало би охладити водом. Не дозволите да вода за гашење пожара доспе у канализацију и оближње површинске токове.

Уколико је производ изложен високим температурама, нпр. у случају пожара, настају опасна јединиња као резултат његовог распадања. То су:

Угљени оксиди (CO / CO₂)

5.3. Савет за ватрогасце

Нема посебних захтева.

ПОГЛАВЉЕ 6. МЕРЕ У СЛУЧАЈУ УДЕСА

6.1. Личне предострожности, заштитна опрема и поступци у случају удеса

Контаминирани простор може бити клизав.

6.2. Предострожности које се односе на животну средину

Избегавајте испуштање у језера, потоке, канализације итд.

Неовлашћене особе држите подаље од изливања.

6.3. Мере које треба предузети и материјал за спречавање ширења и санацију

Користите песак, земљу, вермикулит, диятомейску земљу да бисте задржали и купили незапалјиве упијајуће материјале и ставите у контејнер за одлагање, у складу са локалним прописима.

Чишћење се у мери у којој је то могуће обавља нормалним средствима за чишћење. Избегавајте употребу растварача.

6.4. Упућивање на друга поглавља

Погледајте поглавље 13 „Одлагање” у вези са поступком за отпад.

За заштитне мере погледајте поглавље 8 „Контрола изложености и лична заштита”.

ПОГЛАВЉЕ 7. РУКОВАЊЕ И СКЛАДИШТЕЊЕ

7.1. Предострожности за безбедно руковање

Пушење, и конзумирање хране и пића нису дозвољени у радном простору.

За информације о личној заштити погледајте поглавље „Контрола изложености и лична заштита”.

7.2. Услови за безбедно складиштење, укључујући некомпатибилности

Отворени контејнери се морају пажљиво затворити и држати исправно како би се спречило цурење.

Препоручени материјал за складиштење:

Чувати само у оригиналној амбалажи.

Услови складиштења:

Суво, хладно и добро проветравано

Некомпатибилни материјали:

Јаке киселине, јаке базе, јака оксидациона средства и јака редукциона средства.

7.3. Посебни начини коришћења

Овај производ би требало користити само за примене наведене у поглавље 1.2

ПОГЛАВЉЕ 8. КОНТРОЛА ИЗЛОЖЕНОСТИ И ЛИЧНА ЗАШТИТА

8.1. Параметри контроле изложености

На националној листи супстанци са ограничењем у погледу изложености током рада није наведена ниједна

супстанца.

DNEL

1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one

Трајање:	Пут експозиције:	DNEL:
Дугорочно - Системски - Потрошач	Дерматолошки	0.345 mg/kg
Дугорочно - Системски - Радник	Дерматолошки	966 µg/kg/дан
Дугорочно - Системски - Потрошач	Инхалацијски	1.2 mg/m ³
Дугорочно - Системски - Радник	Инхалацијски	6.81 mg/m ³

Disodium tin hexahydroxide

Трајање:	Пут експозиције:	DNEL:
Дугорочно - Системски - Потрошач	Дерматолошки	1.21 mg/kg/дан
Дугорочно - Системски - Радник	Дерматолошки	3.37 mg/kg/дан
Дугорочно - Системски - Потрошач	Инхалацијски	1.78 mg/m ³
Дугорочно - Системски - Радник	Инхалацијски	11.9 mg/m ³
Дугорочно - Системски - Потрошач	Орално	1.21 mg/kg/дан

hydrogen peroxide

Трајање:	Пут експозиције:	DNEL:
Акутно - Локално - Потрошач	Инхалацијски	1.93 mg/m ³
Акутно - Локално - Радник	Инхалацијски	3 mg/m ³
Дугорочно - Локално - Потрошач	Инхалацијски	0.21 mg/m ³
Дугорочно - Локално - Потрошач	Инхалацијски	210 µg/m ³
Дугорочно - Локално - Радник	Инхалацијски	1.4 mg/m ³

PNEC

1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one

Пут експозиције:	Трајање изложености:	PNEC:
Морска вода		403 ng/L
Периодично ослобађање (Морска вода)		110 ng/L
Периодично ослобађање (слатка вода)		1.1 µg/L
Постројењима за пречишћавање отпадних вода		1.03 mg/L
Седимент мора		4.99 µg/kg
Седимент слатке воде		49.9 µg/kg
Слатка вода		4.03 µg/L
Тло		3 mg/kg

Disodium tin hexahydroxide

Пут експозиције:	Трајање изложености:	PNEC:
Морска вода		3.31 µg/L
Периодично ослобађање (Морска вода)		33.1 µg/L
Периодично ослобађање (слатка вода)		331 µg/L
Постројењима за пречишћавање отпадних вода		10 mg/L
Седимент мора		139.46 µg/kg
Седимент слатке воде		1.395 mg/kg
Слатка вода		33.1 µg/L

hydrogen peroxide

Пут експозиције:	Трајније изложености:	PNEC:
Морска вода		0,047 mg/L
Морска вода		12.6 µg/L
Периодично ослобађање (слатка вода)		13.8 µg/L
Постројењима за пречишћавање отпадних вода		4.66 mg/L
Постројењима за пречишћавање отпадних вода		4.66 mg/L
Седимент мора		0,047 mg/L
Седимент мора		47 µg/kg
Седимент слатке воде		0,047 mg/kg
Седимент слатке воде		47 µg/kg
Слатка вода		0,0126 mg/L
Слатка вода		12.6 µg/L
Тло		0,023 mg/kg
Тло		2.3 µg/kg

8.2. Контрола изложености и лична заштита

Извршите општу контролу да бисте спречили непотребно излагање.

Опште препоруке:

Пушење, и конзумирање хране и пића нису дозвољени у радном простору.

Сценарији излагања:

За овај производ нису имплементирани сценарији изложености.

Границе излагања:

Границе изложености током рада нису дефинисане за супстанце у овом производу.

Одговарајући технички уређаји за управљање:

Примените стандардне мере предострожности током употребе производа. Избегавајте удисање испарења.

Хигијенске мере:

Сви изложени делови тела морају да се темелјно оперу у интервалима између употребе производа и на крају радног дана. Обратите посебну пажњу на руке, подлактице и лице.

Мере спречавања контакта са животном средином:

Нема посебних захтева.

Опште мере заштите и хигијене

Генерално:

Користите само заштитну опрему са знаком CE.

Заштита дисајних путева:

Тип	Класа	Боя	Стандарди	
Nema posebnih propisa kada se koristi kako je predviđeno				

Заштита тела:

Препоручено	Тип / Категорија	Стандарди	
Nema posebnih propisa kada se koristi kako je predviđeno	-	-	

Заштитне руке:

Радна ситуација	Материјал	Дебљина рукавице	Време продирања (Минути)	Стандарда	
	Nema posebnih propisa kada se	-	-	-	

Радна ситуација	Материјал	Дебљина рукавице	Време продирања (Минути)	Стандарда	
	koristi kako je predvidjeno				
У случају продуженог излагања или високе концентрације	Ramuk/Нитрилни каучук	-	> 120	EN374-2, EN16523-1, EN388	

Заштита очију/лица:

Радна ситуација	Тур	Стандарди	
	Nema posebnih propisa kada se koristi kako je predvidjeno	-	
У случају продуженог излагања или високе концентрације	Заштитне наочаре са бочним штитницима	EN166	

ПОГЛАВЉЕ 9. ФИЗИЧКА И ХЕМИЈСКА СВОЈСТВА

9.1. Подаци о основним физичким и хемијским својствима хемикалије

Изгледу - агрегатно стање:

Течно

Боји:

Безбойно

Мирису / Прагу мириса (ppm):

Парфем

pH:

са. 4.8

Релативна густина (g/cm³):

1,02 (20 °C)

Кинематичка вискозност:

Нема доступних података.

Карактеристике честица:

Не односи се на течности

Фазне промене

Тачка топљења / тачка мржњења (°C):

Нема доступних података.

Тачка/опсег омекшавања (°C):

Не односи се на течности

Почетна тачка кључања и опсег кључања (°C):

Нема доступних података.

Напон паре:

Нема доступних података.

Релативна густина паре:

Нема доступних података.

Температура разлагања (°C):

Нема доступних података.

Подаци о опасностима од пожара и експлозије

Запаљивост (чврсто, гасовито):

Нема доступних података.

Тачка паљења (°C):

Нема доступних података.

Температура самопаљења (°C):

Нема доступних података.

Горња / доња граница запаљивости или експлозивности (%v/v):

Нема доступних података.

Растворљивост

Растворљивост у вода:

У потпуности растворљив

Коефицијент расподеле у систему n-октанол/вода (LogKow):

Нема доступних података.

Растворљивост у масти (g/L):

Нема доступних података.

9.2. Остали подаци

Остали физички и хемијски параметри:

Нема доступних података.

Оксидујућа својства:

Нема доступних података.

ПОГЛАВЉЕ 10. СТАБИЛНОСТ И РЕАКТИВНОСТ

10.1. Реактивност

Нема доступних података.

10.2. Хемијска стабилност

Производ је стабилан под условима наведеним у одељку 7 „Руковање и складиштење“.

10.3. Могућност настанка опасних реакција

Нема познатих.

10.4. Услови које треба избегавати

Нема познатих.

10.5. Некомпатибилни материјали

Јаке киселине, јаке базе, јака оксидациона средства и јака редукциона средства.

10.6. Опасни производи разградње

У нормалним условима складиштења и употребе не би требало да дође до стварања опасних продукта распадања.

ПОГЛАВЉЕ 11. ТОКСИКОЛОШКИ ПОДАЦИ

11.1. Подаци о токсичним ефектима

Акутна токсичност

Хемијски назив	hydrogen peroxide
Врсте:	Пацов
Пут експозиције:	Орално
Тест:	LD50
Вредност:	1.193 - 1.270 mg/L

Хемијски назив	hydrogen peroxide
Врсте:	Зећ
Пут експозиције:	Дерматолошки
Тест:	LD50
Вредност:	>2.000 (35% oplossing) mg/kg

Хемијски назив	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Врсте:	Пацов
Пут експозиције:	Орално
Тест:	LD50
Вредност:	500 mg/kg

На основу доступних података, критеријуми за класификацију нису испуњени.

Корозивно оштећење коже / иритација

Хемијски назив	hydrogen peroxide
Вредност:	Установљени су негативни ефекти (Иритантан)

Хемијски назив	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Метод тестирања:	ОЕЦД 404
Вредност:	Установљени су негативни ефекти (Иритантан)

На основу доступних података, критеријуми за класификацију нису испуњени.

Тешко оштећење ока / иритација ока

Хемијски назив	hydrogen peroxide
Вредност:	Установљени су негативни ефекти (Доводи до тешког оштећења ока)

Хемијски назив	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Метод тестирања:	ОЕЦД 405
Вредност:	Установљени су негативни ефекти (Доводи до тешког оштећења ока)

На основу доступних података, критеријуми за класификацију нису испуњени.

Сензибилизација респираторних органа

Хемијски назив	hydrogen peroxide
Вредност:	Нису установљени негативни ефекти (не сензибилизација)

На основу доступних података, критеријуми за класификацију нису испуњени.

Сензибилизација коже

Хемијски назив	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Метод тестирања:	ОЕЦД 429
Врсте:	Миш
Вредност:	Установљени су негативни ефекти (сензибилизација)

Хемијски назив	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Метод тестирања:	ОЕЦД 406
Врсте:	Заморче
Вредност:	Установљени су негативни ефекти (сензибилизација)

На основу доступних података, критеријуми за класификацију нису испуњени.

Мутагеност геринативних ћелија

На основу доступних података, критеријуми за класификацију нису испуњени.

Карциногеност

Хемијски назив	hydrogen peroxide
Закључак:	Нису установљени негативни ефекти

На основу доступних података, критеријуми за класификацију нису испуњени.

Токсичност по репродукцију

Хемијски назив	hydrogen peroxide
Закључак:	Нису установљени негативни ефекти

На основу доступних података, критеријуми за класификацију нису испуњени.

Специфична токсичност за циљни орган - једнократна изложеност

На основу доступних података, критеријуми за класификацију нису испуњени.

Специфична токсичност за циљни орган - вишекратна изложеност

На основу доступних података, критеријуми за класификацију нису испуњени.

Опасност од аспирације

Хемијски назив hydrogen peroxide
На основу доступних података, критеријуми за класификацију нису испуњени.

11.2. Информације о другим опасностима

Dugoročni efekti

Нема познатих.

Угрожава рад ендокриних жлезда

Ова смеша/производ не садржи никакве материје за које се сматра да имају својства изазивања хормонског поремећаја.

Додатне информације

hydrogen peroxide по IARC класификацији спада у групу 3

ПОГЛАВЉЕ 12. ЕКОТОКСИКОЛОШКИ ПОДАЦИ

12.1. Токсичност

Хемијски назив	hydrogen peroxide
Врсте:	Рибе, Pimephales promelas
Трајање:	96 сати
Тест:	LC50
Вредност:	16,4 mg/L

Хемијски назив	hydrogen peroxide
Врсте:	Рибе, Leuciscus idus
Трајање:	72 сати
Тест:	LC50
Вредност:	35 mg/L

Хемијски назив	hydrogen peroxide
Врсте:	Рибе, Oncorhynchus mykiss
Трајање:	7 дана
Тест:	LC50
Вредност:	38,5 mg/L

Хемијски назив	hydrogen peroxide
Врсте:	Daphnia pulex
Трајање:	48 сати
Тест:	EC50
Вредност:	2,4 mg/L

Хемијски назив	hydrogen peroxide
Врсте:	Daphnia magna
Трајање:	24 сати
Тест:	EC50
Вредност:	7,7 mg/L

Хемијски назив	hydrogen peroxide
Врсте:	Skeletonema costatum
Трајање:	72 сати
Тест:	EC50
Вредност:	1,38 mg/L

Хемијски назив	hydrogen peroxide
Метод тестирања:	ОЕЦД 209
Врсте:	Бактерије
Окружење:	Постројеније са активираним муљем
Трајање:	30 minutes
Тест:	EC50
Вредност:	466 mg/L

Хемијски назив	hydrogen peroxide
Метод тестирања:	ОЕЦД 209
Врсте:	Бактерије
Окружење:	Постройение са активираним муљем
Трајанье:	3 сати
Тест:	EC50
Вредност:	> 1.000 mg/L

Хемијски назив	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Врсте:	Рибе
Трајанье:	96 сати
Тест:	LC50
Вредност:	>0.1-1 mg/L

Хемијски назив	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Врсте:	Ракови
Трајанье:	48 сати
Тест:	EC50
Вредност:	>0.1-1 mg/L

Хемијски назив	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Врсте:	Алге
Трајанье:	72 сати
Тест:	EC50
Вредност:	>0.1-1 mg/L

На основу доступних података, критеријуми за класификацију нису испуњени.

12.2. Перзистентност и разградљивост

Хемијски назив	Alcohol, C13, bran., EO, sulfate Na~
Вредност:	> 60 %
Закључак:	Лако биоразградива материја
Тест:	ОЕЦД 301 Б

Хемијски назив	hydrogen peroxide
Закључак:	Лако биоразградива материја

Хемијски назив	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Вредност:	90%
Закључак:	Лако биоразградива материја
Тест:	OECD 302

Сурфактант(и) садржани у овом препарату је(су) у складу са критеријумима биоразградивости утврђеним у уредби (ЕЗ) бр. 648/2004 о детердженцима. Подаци који поткрепљују ову тврдњу стоје на располагању надлежним властима држава чланица и биће им доступни на њихов директни захтев или на захтев произвођача детерджената.

12.3. Потенцијал биоакумулације

Хемијски назив	hydrogen peroxide
LogKow:	-1,57
Закључак:	-

Хемијски назив	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
BCF:	2
LogKow:	1.45
Закључак:	Потенцијал за биоакумулацију је низак

12.4. Мобилност у земљишту

Нема доступних података.

12.5. Резултати ПБТ и вПвБ процене

Ова смеша/производ не садржи супстанце за које се сматра да испуњавају критеријуме да буду класификовани

као ПБТ и/или вПвБ.

12.6. Угрожава рад ендокриних жлезда

Ова смеша/производ не садржи никакве материје за које се када се нађу унутар животне средине сматра да имају својства ометања ендокриног система.

12.7. Остали штетни ефекти

Нема познатих.

ПОГЛАВЉЕ 13. ОДЛАГАЊЕ

13.1. Методе третмана отпада

На производ се односе прописи о опасном отпаду. (*)

НР 4 - Надражујуће (иритација коже и оштећење очију)

Уредба комисије (ЕУ) бр. 1357/2014 од 18. децембра 2014. године која замењује прилог IIIИ директиве 2008/98/ЕЗ Европског парламента и савета о отпаду.

Кôд европског каталога отпада (EWЦ):

20 01 30 детерџенти другачији од оних наведених у 20 01 29

Контаминирање амбалаже

Амбалажа која садржи остатке производа мора се одложити на исти начин као и производ.

ПОГЛАВЉЕ 14. ПОДАЦИ О ТРАНСПОРТУ

	14.1 UN	14.2 Назив за терет у транспорту	14.3 Класа	14.4 PG*	14.5. Env**	Остали подаци:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Група паковања

** Опасност по животну средину

Додатне информације

Није опасна роба према ADR, IATA и IMDG.

14.6. Посебне предострожности за корисника

Није применљиво.

14.7. Транспорт у расутом стању (Анексу ИИ Међународне конвенције за спречавање загађења из бродова и ИБЦ Цоде)

Нема доступних података.

ПОГЛАВЉЕ 15. РЕГУЛАТОРНИ ПОДАЦИ

15.1. Прописи у вези са безбедношћу, здрављем и животном средином

Ограничења за примену:

Дозвољено само за професионално коришћење.

Захтеви за специфичним образовањем:

Нема посебних захтева.

"СЕВЕСО" - Категорија / Опасне материје:

Није применљиво.

Означавање садржана према ПРАВИЛНИК о детергентима:

>5% - <15%

· Нејонски сурфактанти

< 5%

- Анјонски сурфактанти
- Избелјивачи на бази кисеоника
- Мириси
- Конзерванси (BENZISOTHAZOLINONE)

Додатне информације:

Сурфактант(и) садржани у овом препарату је(су) у складу са критеријумима биоразградивости утврђеним у уредби (ЕЗ) бр. 648/2004 о детердженцима. Подаци који поткрепљују ову тврдњу стоје на располагању надлежним властима држава чланица и биће им доступни на њихов директни захтев или на захтев произвођача детерджената.

Извори:

ПРАВИЛНИК о детергентима ("Службени гласник РС", 25/2015)

ПРАВИЛНИК о категоријама, испитивању и класификацији отпада (Службени гласник РС, 56/10)

Правилник о класификацији, паковању, обележавању и оглашавању хемикалије и одређеног производа у складу са Глобално хармонизованим системом за класификацију и обележавање УН: 105/2013-16, 52/2017-73, 21/2019-208

15.2. Процена безбедности хемикалије.

Не

ПОГЛАВЉЕ 16. ОСТАЛИ ПОДАЦИ

Комплетан текст Х-фраза како је наведено у поглавље 3

H271, Може да изазове пожар или експлозију; јако оксидујуће средство.

H302, Штетно ако се прогута.

H314, Изазива тешке опекотине коже и оштећење ока.

H315, Изазива иритацију коже.

H318, Доводи до тешког оштећења ока.

H319, Доводи до јаке иритације ока.

H332, Штетно ако се удише.

H335, Може да изазове иритацију респираторних органа.

H336, Може да изазове поспаност и несвестицу.

H412, Штетно за живи свет у води са дуготрајним последицама.

Скраћенице и акроними

ADR = Европски споразум о међународном друмском превозу опасне робе

ATE = Процена акутне токсичности

BCF = Фактор биоконцентрације

CAS = Служба хемијских сажеатака

CE = европска усаглашеност

CLP = Уредба о класификацији, означавању и паковању [Уредба (ЕЗ) бр. 1272/2008]

CSA = Процена хемијске безбедности

CSR = Извештај о хемијској безбедности

CTOT = Специфична циљна токсичност органа

DMEL = Изведени минимални ниво ефекта

DNEL = Изведени ниво без ефекта

EINECS = Европски инвентар постојећих комерцијалних хемијских супстанци

ES = Сценарио изложености

EUH izjava = ЦЛП-специфична изјава о опасности

EUPCS = Европски систем категоризације производа

EWЦ = Европски каталог отпада

GHS = Глобално усклађени систем класификације и обележавања хемикалија

GWP (ГВП) = Потенцијал глобалног загревања

IARC = међународна агенција за истраживање рака

IATA = Међународно удружење за ваздушни саобраћај

IBC = Средњи контејнер за расути терет

IMDG = Међународна поморска опасна роба

LogPow = Логаритам коефицијента раздвајања октанол/вода

MARPOL = Међународна конвенција о спречавању загађења са бродова из 1973. године, измењена протоколом из 1978. („Marpol“ = загађење мора)

ОЕЦД = Организација за Економску Царадњу и Дазвој
ПБТ = Истрајан, биоакумулативан и токсичан
PNEC = Предвиђена концентрација без ефекта
RID = Прописи који се тичу међународног превоза опасне робе железницом
RRN = REACH регистрациони број
SCL = има одређену границу концентрације.
SVHC = Веома забринјавајуће супстанце
STOT-RE = Специфична циљна токсичност органа - понављана излагања
STOT-SE = Специфична циљна токсичност органа - појединачна излагања
TWA = Временски пондерисан просек
UN = Уједињене нације
UVBC = Непознат или променљив састав, сложени продукти реакције или биолошки материјали
VOC = Нестабилно органско јединијење
вПвБ = Веома трајно и врло биоакумулативно

Додатне информације

Није применљиво.

Безбедносни лист потврђује

Quality & Compliance

Остали подаци

Промена (сразмерно последњој суштинској промени (прва шифра у верзији СДС, погледајте поглавље 1)) обележена је троуглом.

Подаци у овом безбедносном упутству односе се само на овај одређени производ (поменут у поглавље 1) и нису нужно тачни за употребу са другим хемикалијама/производима.

Препоручује се да ово безбедносно упутство дате стварном кориснику производа. Информације у овом безбедносном упутству не могу се користити као спецификације производа.

Земља-језик: RS-Sr

SAFETY DATA SHEET

i.1 all-purpose cleaner FlexDose

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

SDS created for SAUDI ARABIA according to GHS

1.1. Product identifier

▼ *Trade name:*

i.1 all-purpose cleaner FlexDose

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses of the substance or mixture:

Washing and cleaning products (including solvent based products)

Restricted to professional users.

Uses advised against :

None known.

1.3. Details of the supplier of the safety data sheet

Company and address:

Hygeniq B.V.

Postbus 618

7500 AP Enschede

The Netherlands

+31 53 4282860

+31 53 5393865

www.hygeniq.com

E-mail:

info@hygeniq.com

SDS date:

27/06/2025

SDS Version:

2.0

Date of previous version:

02/06/2025 (1.0)

1.4. Emergency telephone number

Contact the local emergency services.

See section 4 "First aid measures".

SECTION 2: HAZARDS IDENTIFICATION

Classified according to GHS.

2.1. Classification of the substance or mixture

Skin Irrit. 3; H316, Causes mild skin irritation

2.2. Label elements

Hazard pictogram(s):

Not applicable.

Signal word:

Warning

Hazard statement(s):

Causes mild skin irritation (H316)

Precautionary statement(s):

General:

-

Prevention:

-

Response:

If skin irritation occurs: Get medical advice/attention. (P332+P313)

Storage:

-

Disposal:

-

Hazardous substances:

Does not contain any substances required to report

Additional labelling:

Not applicable.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable. This product is a mixture.

3.2. Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
Alcohol, C13, bran., EO, sulfate Na~	CAS No.: 150413-26-6 EC No.: 688-316-0	1-3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 3, H412	
hydrogen peroxide	CAS No.: 7722-84-1 EC No.: 231-765-0	1-3%	Ox. Liq. 1, H271 Acute Tox. 4, H302 Skin Corr. 1A, H314 (SCL: 70.00 %) Skin Corr. 1B, H314 (SCL: 50.00 %) Skin Irrit. 2, H315 (SCL: 35.00 %) Eye Dam. 1, H318 (SCL: 8.00 %) Eye Irrit. 2, H319 (SCL: 5.00 %) Acute Tox. 4, H332 STOT SE 3, H336 (SCL: 35.00 %)	
citroenzuurmonohydraat	CAS No.: 5949-29-1 EC No.: 611-842-9	<0.1%	Eye Irrit. 2, H319	

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information

-

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General information:

In the case of accident: Contact a doctor or casualty department – bring the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

Inhalation:

Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

Skin contact:

Remove contaminated clothing and shoes immediately. Ensure to wash exposed skin thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or thinners.

Eye contact:

If in eyes: Flush eyes with water or saline water (20-30 °C) for at least 5 minutes. Remove contact lenses. Seek medical assistance and continue flushing during transport.

Ingestion:

If the person is conscious, rinse the mouth with water and stay with the person. Never give the person anything to drink.

In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the person lean forward with head down to avoid inhalation of or choking on vomited material.

Burns:

Not applicable.

4.2. Most important symptoms and effects, both acute and delayed

None known.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

Information to medics

Bring this safety data sheet or the label from this product.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Not applicable.

5.2. Special hazards arising from the substance or mixture

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

Carbon oxides (CO / CO₂)

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact the national poisons emergency services in order to obtain further advice.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Contaminated areas may be slippery.

6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.

Keep unauthorized persons away from the spill

6.3. Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.
Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections

See section 13 "Disposal considerations" on handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Smoking, drinking and consumption of food is not allowed in the work area.

See section 8 "Exposure controls/personal protection" for information on personal protection.

7.2. Conditions for safe storage, including any incompatibilities

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Recommended storage material:

Keep only in original packaging.

Storage conditions:

Dry, cool and well ventilated

Incompatible materials:

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

No substances are listed with an occupational exposure limit.

8.2. Exposure controls

Apply general control to prevent unnecessary exposure

General recommendations:

Smoking, drinking and consumption of food is not allowed in the work area.

Exposure scenarios:

There are no exposure scenarios implemented for this product.

Exposure limits:

Occupational exposure limits have not been defined for the substances in this product.

Appropriate technical measures:

Apply standard precautions during use of the product. Avoid inhalation of vapours.

Hygiene measures:

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Pay special attention to hands, forearms and face.

Measures to avoid environmental exposure:

No specific requirements.

Individual protection measures, such as personal protective equipment

Generally:

Use only CE marked protective equipment.

Respiratory Equipment:

Type	Class	Colour	Standards	
No special when used as intended.				

Skin protection:

Recommended	Type/Category	Standards	
No special when used as intended.	-	-	

Hand protection:

Work situation	Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
	No special when used as intended	-	-	-	
In the event of prolonged exposure or high concentrations	Cotton/Latex	-	> 120	EN374-2, EN16523-1, EN388	

Eye protection:

Work situation	Type	Standards	
	No special when used as intended.	-	
In the event of prolonged exposure or high concentrations	Safety glasses with side shields.	EN166	

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Form:

Liquid

Colour:

Colourless

Odour:

Of perfume

Odour threshold (ppm):

No data available.

pH:

ca. 4.8

Density (g/cm³):

1.02 (20 °C)

Kinematic viscosity:

No data available.

Particle characteristics:

Does not apply to liquids.

Phase changes

Melting point/Freezing point (°C):

No data available.

Softening point/range (°C):

Does not apply to liquids.

Boiling point (°C):

No data available.

Vapour pressure:

No data available.

Relative vapour density:

No data available.

Decomposition temperature (°C):

No data available.

Evaporation rate (n-butylacetate = 100):

Data on fire and explosion hazards

Flash point (°C):

No data available.

Flammability (°C):

No data available.

Auto-ignition temperature (°C):

No data available.

Explosion limits (% v/v):

No data available.

Solubility

Solubility in water:

Completely soluble

n-octanol/water coefficient (LogKow):

No data available.

Solubility in fat (g/L):

No data available.

9.2. Other information

No data available.

Other physical and chemical parameters:

No data available.

Oxidizing properties:

No data available.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

10.2. Chemical stability

The product is stable under the conditions, noted in section 7 "Handling and storage".

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity

Product/substance	hydrogen peroxide
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	1.193 - 1.270 mg/L

According to GHS Rev. 8, 2019

Product/substance	hydrogen peroxide
Species:	Rabbit
Route of exposure:	Dermal
Test:	LD50
Result:	>2.000 (35% oplossing) mg/kg

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	500 mg/kg

Based on available data, the classification criteria are not met.

Skin corrosion/irritation

Product/substance	hydrogen peroxide
Result:	Adverse effect observed (Irritating)

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Test method:	OECD 404
Result:	Adverse effect observed (Irritating)

Based on available data, the classification criteria are not met.

Serious eye damage/irritation

Product/substance	hydrogen peroxide
Result:	Adverse effect observed (Causes serious eye damage)

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Test method:	OECD 405
Result:	Adverse effect observed (Causes serious eye damage)

Based on available data, the classification criteria are not met.

Respiratory sensitisation

Product/substance	hydrogen peroxide
Result:	No adverse effect observed (not sensitising)

Based on available data, the classification criteria are not met.

Skin sensitisation

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Test method:	OECD 429
Species:	Mouse
Result:	Adverse effect observed (sensitising)

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Test method:	OECD 406
Species:	Guinea pig
Result:	Adverse effect observed (sensitising)

Based on available data, the classification criteria are not met.

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Product/substance	hydrogen peroxide
Conclusion:	No adverse effect observed

Based on available data, the classification criteria are not met.

hydrogen peroxide has been classified by IARC as a group 3 carcinogen.

Reproductive toxicity

Product/substance	hydrogen peroxide
Conclusion:	No adverse effect observed

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Product/substance hydrogen peroxide

Based on available data, the classification criteria are not met.

Long term effects

None known.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Product/substance	hydrogen peroxide
Species:	Fish, Pimephales promelas
Duration:	96 hours
Test:	LC50
Result:	16,4 mg/L

Product/substance	hydrogen peroxide
Species:	Fish, Leuciscus idus
Duration:	72 hours
Test:	LC50
Result:	35 mg/L

Product/substance	hydrogen peroxide
Species:	Fish, Oncorhynchus mykiss
Duration:	7 days
Test:	LC50
Result:	38,5 mg/L

Product/substance	hydrogen peroxide
Species:	Daphnia pulex
Duration:	48 hours
Test:	EC50
Result:	2,4 mg/L

Product/substance	hydrogen peroxide
Species:	Daphnia magna
Duration:	24 hours
Test:	EC50
Result:	7,7 mg/L

Product/substance	hydrogen peroxide
Species:	Skeletonema costatum
Duration:	72 hours
Test:	EC50
Result:	1,38 mg/L

Product/substance	hydrogen peroxide
Test method:	OECD 209
Species:	Bacteria
Compartment:	Activated Sludge Plant
Duration:	30 minutes
Test:	EC50
Result:	466 mg/L

According to GHS Rev. 8, 2019

Product/substance	hydrogen peroxide
Test method:	OECD 209
Species:	Bacteria
Compartment:	Activated Sludge Plant
Duration:	3 hours
Test:	EC50
Result:	> 1.000 mg/L
Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Species:	Fish
Duration:	96 hours
Test:	LC50
Result:	>0.1-1 mg/L
Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Species:	Crustacean
Duration:	48 hours
Test:	EC50
Result:	>0.1-1 mg/L
Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Species:	Algae
Duration:	72 hours
Test:	EC50
Result:	>0.1-1 mg/L

Based on available data, the classification criteria are not met.

12.2. Persistence and degradability

Product/substance	Alcohol, C13, bran., EO, sulfate Na~
Result:	> 60 %
Conclusion:	Readily biodegradable
Test:	OECD 301 B

Product/substance	hydrogen peroxide
Conclusion:	Readily biodegradable

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Result:	90%
Conclusion:	Readily biodegradable
Test:	OECD 302

12.3. Bioaccumulative potential

Product/substance	hydrogen peroxide
LogKow:	-1,57
Conclusion:	-

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
BCF:	2
LogKow:	1.45
Conclusion:	Potential for bioaccumulation is low

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

12.6. Other adverse effects

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

Dispose of contents/container to an approved waste disposal plant.

Specific labelling

Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: TRANSPORT INFORMATION

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Packing group

** Environmental hazards

Additional information

Not dangerous goods according to ADR, IATA and IMDG.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

No data available.

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Restrictions for application:

Restricted to professional users.

Demands for specific education:

No specific requirements.

Additional information:

Not applicable.

Sources:

Globally Harmonized System of Classification and Labelling of Chemicals (GHS Rev. 8, 2019)

15.2. Chemical safety assessment

No

SECTION 16: OTHER INFORMATION

Full text of H-phrases as mentioned in section 3

H271, May cause fire or explosion; strong oxidiser.

H302, Harmful if swallowed.

H314, Causes severe skin burns and eye damage.

H315, Causes skin irritation.

H318, Causes serious eye damage.

H319, Causes serious eye irritation.
H332, Harmful if inhaled.
H336, May cause drowsiness or dizziness.
H412, Harmful to aquatic life with long lasting effects.

The full text of identified uses as mentioned in section 1

None known.

Abbreviations and acronyms

ACGIH = American Conference of Governmental Industrial Hygienists
ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway
ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
CAS = Chemical Abstracts Service
CERCLA = Comprehensive Environmental Response Compensation and Liability Act
DOT = Department of Transportation
EINECS = European Inventory of Existing Commercial chemical Substances
EPCRA = Emergency Planning and Community Right-To-Know Act
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
HCIS = Hazardous Chemical Information System
HNOC = Hazards Not Otherwise Classified
IARC = International Agency for Research on Cancer
IATA = International Air Transport Association
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
NFPA = National Fire Protection Association
NIOSH = National Institute for Occupational Safety and Health
OECD = Organisation for Economic Co-operation and Development
OSHA = Occupational Safety and Health Administration
PBT = Persistent, Bioaccumulative and Toxic
RCRA = Resource Conservation and Recovery Act
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
RRN = REACH Registration Number
SARA = Superfund Amendments and Reauthorization Act
SCL = A specific concentration limit.
STEL = Short-term exposure limits
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
STOT-SE = Specific Target Organ Toxicity - Single Exposure
TSCA = The Toxic Substances Control Act
TWA = Time weighted average
UN = United Nations
UVBC = Unknown or variable composition, complex reaction products or of biological materials
VOC = Volatile Organic Compound
vPvB = Very Persistent and Very Bioaccumulative

Additional information

Not applicable.

The safety data sheet is validated by

Quality & Compliance

Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

Country-language: SA-en

SÄKERHETSDATABLAD

i.1 all-purpose cleaner FlexDose

AVSNITT 1: NAMNET PÅ ÄMNET/BLANDNINGEN OCH BOLAGET/FÖRETAGET

1.1. Produktbeteckning

▼ *Handelsnamn:*

i.1 all-purpose cleaner FlexDose

1.2. Relevanta identifierade användningar av ämnet eller blandningen och användningar som det avråds från

Relevanta identifierade användningar av ämnet eller blandningen:

Tvätt- och rengöringsmedel (inklusive lösningsmedelsbaserade)

Endast för yrkesmässigt bruk.

Användningar som det avråds från :

Inga kända.

1.3. Närmare upplysningar om den som tillhandahåller säkerhetsdatabladet

Företagsuppgifter:

Hygeniq B.V.

Postbus 618
7500 AP Enschede
The Netherlands
+31 53 4282860
+31 53 5393865
www.hygeniq.com

E-post:

info@hygeniq.com

Omarbetad:

2025-06-27

SDB Version:

2.0

Datum för tidigare utgåva:

2025-06-02 (1.0)

1.4. Telefonnummer för nödsituationer

Akut: Ring 112, begär giftinformation. Öppet dygnet runt.

Mindre akut: Ring 010-456 6700. Öppet dygnet runt.

Se avsnitt 4 om åtgärder vid första hjälpen.

AVSNITT 2: FARLIGA EGENSKAPER

2.1. Klassificering av ämnet eller blandningen

Inte klassificerad enligt förordningen (EG) nr 1272/2008 (CLP).

2.2. Märkningsuppgifter

Faropiktogram:

Ej tillämpligt.

Signalord:

Ej tillämpligt.

Faroangivelser:

Ej tillämpligt.

Skyddsangivelser:

Allmänt:

-

Förebyggande:

-

Åtgärder:

-

Förvaring:

-

Avfall:

-

Innehåller:

Innehåller inga anmälningspliktiga ämnen

Annan märkning:

EUH210, Säkerhetsdatablad finns att rekvirera.

▼ **Märkning av innehåll i enlighet med förordning (EG) nr 648/2004 om tvätt- och rengöringsmedel (gäller förpackningar av tvättmedel som säljs till allmänheten):**

>5% - <15%

· Nonjontensider

< 5%

· Anjoniska tensider

· Syrebaserade blekmedel

· Parfym

· Konserveringsmedel (BENZISOTHIAZOLINONE)

2.3. Andra faror

Annat:

Denna blandning/produkt innehåller inga ämnen som anses uppfylla kriterierna för klassificering som PBT- och/eller vPvB-ämnen.

Produkten innehåller inga ämnen som bedömts vara hormonstörande enligt kriterierna i Kommissionens delegerade förordning (EU) 2017/2100 eller Kommissionens förordning (EU) 2023/707.

AVSNITT 3: SAMMANSÄTTNING/INFORMATION OM BESTÅNDSDELAR

3.1. Ämnen

Ej tillämpligt. Denna produkt är en blandning.

3.2. Blandningar

Produkt/Ämne	Identifierare	% w/w	Klassificering	Anm.
Alcohol, C13, bran., EO, sulfate Na~	CAS-nr.: 150413-26-6 EG-nr.: 688-316-0 REACH: Indexnr.:	1-3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 3, H412	
väteperoxidlösning 35%	CAS-nr.: 7722-84-1 EG-nr.: 231-765-0 REACH: 01-2119485845-22-XXXX Indexnr.: 008-003-00-9	1-3%	Ox. Liq. 1, H271 Acute Tox. 4, H302 Skin Corr. 1A, H314 (SCL: 70,00 %) Skin Corr. 1B, H314 (SCL: 50,00 %) Skin Irrit. 2, H315 (SCL: 35,00 %) Eye Dam. 1, H318 (SCL: 8,00 %) Eye Irrit. 2, H319 (SCL: 5,00 %) Acute Tox. 4, H332	

			STOT SE 3, H336 (SCL: 35,00 %)	
citroenzuurmonohydraat	CAS-nr.: 5949-29-1 EG-nr.: 611-842-9 REACH: 01-2119457026-42-XXXX Indexnr.:	<0.1%	Eye Irrit. 2, H319	
Disodium tin hexahydroxide	CAS-nr.: 12027-70-2 EG-nr.: 234-724-5 REACH: 01-2120770924-45-XXXX Indexnr.:	<0.05%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	[1]

Fullständig ordalydelse av H-fraserna finns i avsnitt 16. Arbetshygieniska gränsvärden finns i avsnitt 8 - om de är tillgängliga.

Annan information

[1] Europeiskt yrkeshygieniskt gränsvärde.

AVSNITT 4: ÅTGÄRDER VID FÖRSTA HJÄLPEN

4.1. Beskrivning av åtgärder vid första hjälpen

Allmänt:

Vid olycka: Kontakta läkare eller akutmottagning - ta med etiketten eller detta säkerhetsdatablad.

Vid bestående symptom eller om det råder tveksamheter om den påverkades tillstånd skall läkarhjälp sökas. Ge aldrig en medvetslös person vatten eller liknande.

Inandning:

I fall av andningssvårigheter eller irritation i andningsvägarna: Flytta den skadade personen till frisk luft direkt och håll personen under uppsyn.

Hudkontakt:

Vid irritation: Tvätta av produkten. Vid ihållande irritation: Kontakta läkare.

Kontakt med ögonen:

Vid kontakt med ögonen: Skölj genast med vatten (20-30 °C) i minst 5 minuter. Avlägsna eventuella kontaktlinser. Uppsök läkare.

Förtäring:

Om personen är vid medvetande, skölj munnen med vatten och stanna hos personen. Ge aldrig personen något att dricka. Vid illamående: Kontakta omgående läkare och ta med detta säkerhetsdatablad eller etiketten från produkten. Framkalla ej kräkning, annat än om läkaren rekommenderar detta. Sänk huvudet så att eventuella kräkningar ej rinner tillbaka i munnen och ner i halsen.

Brännskada:

Ej tillämpligt.

4.2. De viktigaste symptomen och effekterna, både akuta och fördröjda

Inga kända.

4.3. Angivande av omedelbar medicinsk behandling och särskild behandling som eventuellt krävs

Behandla symptomatiskt.

Information till läkare

Medtag detta säkerhetsdatablad eller etiketten från produkten.

AVSNITT 5: BRANDBEKÄMPNINGSÅTGÄRDER

5.1. Släckmedel

Ej tillämpligt.

5.2. Särskilda faror som ämnet eller blandningen kan medföra

Vid brand utvecklas tät rök. Att utsättas för nedbrytningsprodukter kan utgöra hälsofara. Slutna behållare som utsätts för eld avkyls med vatten. Låt ej vatten från brandsläckning rinna ut i kloak och vattendrag.

Om produkten utsätts för höga temperaturen, t.ex. i händelse av brand, kan farliga nedbrytningsprodukter bildas.

Dessa är:

Koloxider (CO / CO₂)

5.3. Råd till brandbekämpningspersonal

Inga särskilda krav.

AVSNITT 6: ÅTGÄRDER VID OAVSIKTLIGA UTSLÄPP

6.1. Personliga skyddsåtgärder, skyddsutrustning och åtgärder vid nödsituationer

Se till att ventilationen är tillräcklig, särskilt i slutna utrymmen.

Förorenade områden kan vara hala.

6.2. Miljöskyddsåtgärder

Undvik utsläpp i sjöar, åar, kloaker etc.

Håll obehöriga personer på avstånd från spillet

6.3. Metoder och material för inneslutning och sanering

Spill begränsas och samlas upp med icke-brännbart absorberande material, t.ex. sand, jord, vemikulit, kiselgur och placeras i behållare och bortskaffas i överensstämmelse med gällande regler.

Rengöring utförs så långt som möjligt med rengöringsmedel. Lösningsmedel bör undvikas.

6.4. Hänvisning till andra avsnitt

Se avsnitt 13 "Avfallshantering".

Se avsnitt 8 "Begränsning av exponeringen/personligt skydd" om personligt skydd.

AVSNITT 7: HANTERING OCH LAGRING

7.1. Skyddsåtgärder för säker hantering

Rökning, förtäring av mat och intag av dryck är ej tillåtet i arbetslokalerna.

Se avsnitt 8 om personligt skydd.

7.2. Förhållanden för säker lagring, inklusive eventuell oförenlighet

Öppnad behållare skall återförslutas väl och förvaras i upprätt läge för att förhindra läckage.

Kompatibla förpackningar:

Förvaras endast i originalförpackningen.

Förvaringsförhållanden:

Torr, svalt och väl ventilerat

Oförenliga material:

Starka syror, starka baser, starka oxidationsmedel och starka reduktionsmedel.

7.3. Specifik slutanvändning

Denna produkt bör endast användas för de användningar som beskrivs i avsnitt 1.2.

AVSNITT 8: BEGRÄNSNING AV EXPONERINGEN/PERSONLIGT SKYDD

8.1. Kontrollparametrar

2-(2-ethoxyethoxy)ethanol

Korttidsgränsvärde (15 minuter) (ppm): 30

Korttidsgränsvärde (15 minuter) (mg/m³): 170

Nivågränsvärde (8 timmar) (ppm): 15

Nivågränsvärde (8 timmar) (mg/m³): 80

Anmärkningar:

H = Ämnet kan lätt upptas genom huden.

V = Vägledande korttidsgränsvärde.

väteperoxidlösning 35%
Korttidsgränsvärde (15 minuter) (ppm): 2
Korttidsgränsvärde (15 minuter) (mg/m³): 3
Nivågränsvärde (8 timmar) (ppm): 1
Nivågränsvärde (8 timmar) (mg/m³): 1,4

Arbetsmiljöverkets föreskrifter och allmänna råd (AFS 2023:14) om gränsvärden för luftvägsexponering i arbetsmiljön

DNEL

1,2-bensisotiazol-3(2H)-on; 1,2-bensisotiazolin-3-on

Varaktighet:	Exponeringsväg:	DNEL:
Långvarig – Systemiska effekter - Allmän befolkning	Hud	0.345 mg/kg
Långvarig – Systemiska effekter - Arbetare	Hud	966 µg/kg bw/day
Långvarig – Systemiska effekter - Allmän befolkning	Inandning	1.2 mg/m ³
Långvarig – Systemiska effekter - Arbetare	Inandning	6.81 mg/m ³

2-(2-ethoxyethoxy)ethanol

Varaktighet:	Exponeringsväg:	DNEL:
Långvarig – Systemiska effekter - Allmän befolkning	Hud	25 mg/kg/day
Långvarig – Systemiska effekter - Arbetare	Hud	50 mg/kg bw/day
Långvarig – Systemiska effekter - Arbetare	Hud	83 mg/kg/day
Långvarig – Lokala effekter - Allmän befolkning	Inandning	18,3 mg/m ³
Långvarig – Lokala effekter - Allmän befolkning	Inandning	18 mg/m ³
Långvarig – Lokala effekter - Arbetare	Inandning	18 mg/m ³
Långvarig – Lokala effekter - Arbetare	Inandning	30 mg/m ³
Långvarig – Systemiska effekter - Arbetare	Inandning	37 mg/m ³
Långvarig – Systemiska effekter - Arbetare	Inandning	61 mg/m ³
Långvarig – Systemiska effekter - Allmän befolkning	Oralt	25 mg/kg bw/day

Disodium tin hexahydroxide

Varaktighet:	Exponeringsväg:	DNEL:
Långvarig – Systemiska effekter - Allmän befolkning	Hud	1.21 mg/kg bw/day
Långvarig – Systemiska effekter - Arbetare	Hud	3.37 mg/kg bw/day
Långvarig – Systemiska effekter - Allmän befolkning	Inandning	1.78 mg/m ³
Långvarig – Systemiska effekter - Arbetare	Inandning	11.9 mg/m ³
Långvarig – Systemiska effekter - Allmän befolkning	Oralt	1.21 mg/kg bw/day

väteperoxidlösning 35%

Varaktighet:	Exponeringsväg:	DNEL:
Kortvarig – Lokala effekter - Allmän befolkning	Inandning	1.93 mg/m ³
Kortvarig – Lokala effekter - Arbetare	Inandning	3 mg/m ³
Långvarig – Lokala effekter - Allmän befolkning	Inandning	0,21 mg/m ³
Långvarig – Lokala effekter - Allmän befolkning	Inandning	210 µg/m ³
Långvarig – Lokala effekter - Arbetare	Inandning	1.4 mg/m ³

PNEC

1,2-bensisotiazol-3(2H)-on; 1,2-bensisotiazolin-3-on

Exponeringsväg:	Exponeringens varaktighet:	PNEC:

Avloppsreningsverk		1.03 mg/L
Havsvatten		403 ng/L
Havsvatten sediment		4.99 µg/kg
Jord		3 mg/kg
Sötvatten		4.03 µg/L
Sötvattenssediment		49.9 µg/kg
Sporadiska utsläpp (havsvatten)		110 ng/L
Sporadiska utsläpp (sötvatten)		1.1 µg/L

2-(2-ethoxyethoxy)ethanol

Exponeringsväg:	Exponeringens varaktighet:	PNEC:
Avloppsreningsverk		500 mg/L
Havsvatten		0,074 mg/L
Havsvatten		0.198 mg/L
Havsvatten sediment		0,274 mg/kg
Jord		0,15 mg/kg
Jord		0.732 mg/kg
Jord		0.34 mg/kg
Sötvatten		0,74 mg/L
Sötvatten		1.98 mg/L
Sötvattenssediment		2,47 mg/kg
Sötvattenssediment		7.32 mg/kg
Sporadiska utsläpp		10 mg/L
Sporadiska utsläpp (sötvatten)		10 mg/L

Disodium tin hexahydroxide

Exponeringsväg:	Exponeringens varaktighet:	PNEC:
Avloppsreningsverk		10 mg/L
Havsvatten		3.31 µg/L
Havsvatten sediment		139.46 µg/kg
Sötvatten		33.1 µg/L
Sötvattenssediment		1.395 mg/kg
Sporadiska utsläpp (havsvatten)		33.1 µg/L
Sporadiska utsläpp (sötvatten)		331 µg/L

väteperoxidlösning 35%

Exponeringsväg:	Exponeringens varaktighet:	PNEC:
Avloppsreningsverk		4.66 mg/L
Avloppsreningsverk		4.66 mg/L
Havsvatten		0,047 mg/L
Havsvatten		12.6 µg/L
Havsvatten sediment		0,047 mg/L
Havsvatten sediment		47 µg/kg
Jord		0,023 mg/kg
Jord		2.3 µg/kg

Sötvatten		0,0126 mg/L
Sötvatten		12.6 µg/L
Sötvattenssediment		0,047 mg/kg
Sötvattenssediment		47 µg/kg
Sporadiska utsläpp (sötvatten)		13.8 µg/L

8.2. Begränsning av exponeringen

Efterlevnad av hygieniska gränsvärden bör kontrolleras regelbundet.

Generellt:

Rökning, förtäring av mat och intag av dryck är ej tillåtet i arbetslokalerna.

Exponeringsscenarioer:

Det finns inga implementerade exponeringsscenarioer för denna produkt.

Exponeringsgräns:

Yrkesmässiga användare omfattas av arbetsmiljölagstiftningens regler om maxkoncentrationer vid exponering. Se de arbetshygieniska gränsvärdena ovan.

Tekniska åtgärder:

Ångbildning måste hållas på ett minimum och under nuvarande gränsvärden (se ovan). Installation av ett lokalt punktutsläpp rekommenderas om normalt luftflöde i arbetsrummet inte är tillräckligt. Se till att ögonsköljning och nöddusch är tydligt markerade.

Tillämpa standardföreskrifter vid användning av produkten. Undvik inandning av ångor.

Hygieniska åtgärder:

Vid varje paus vid användning av produkten och vid arbetets slut skall de exponerade områdena på kroppen tvättas. Var särskilt noga med händer, underarmar och ansikte.

Begränsning av miljöexponering:

Inga särskilda krav.

Individuella skyddsåtgärder

Allmänt:

Använd endast CE-märkt skyddsutrustning.

Andningsskydd:

Typ	Klass	Färg	Standarder	
Inga särskilda vid normal och avsedd användning.				

Hudskydd:

Rekommenderad	Typ/Kategori	Standarder	
Inga särskilda vid normal och avsedd användning.	-	-	

Handskydd:

Arbetsituation	Handskmaterial	Handsktjocklek (mm)	Genombrottstid (min.)	Standarder	
	Inga särskilda vid normal och avsedd användning	-	-	-	
Om exponeringen varar under en längre tid eller koncentrationerna är höga	Bomull / Naturgummi	-	> 120	EN374-2, EN16523-1, EN388	

Ögonskydd:

Arbetssituation	Typ	Standarder	
	Inga särskilda vid normal och avsedd användning.	-	
Om exponeringen varar under en längre tid eller koncentrationerna är höga	Använd skyddsglasögon med sidosköld.	EN166	

AVSNITT 9: FYSIKALISKA OCH KEMISKA EGENSKAPER

9.1. Information om grundläggande fysikaliska och kemiska egenskaper

Fysikaliskt tillstånd:

Vätska

Färg:

Färglös

Lukt / Lukttröskel (ppm):

Parfymerad

pH:

ca. 4.8

Densitet (g/cm³):

1,02 (20 °C)

Kinematisk viskositet:

Ingen data tillgänglig.

Partikelegenskaper:

Gäller inte för vätskor.

Fas förändringar

Smältpunkt/frys punkt (°C):

Ingen data tillgänglig.

Mjukpunkt/mjukpunktsintervall (°C):

Gäller inte för vätskor.

Kokpunkt (°C):

Ingen data tillgänglig.

Ångtryck:

Ingen data tillgänglig.

Relativ ångdensitet:

Ingen data tillgänglig.

Sönderdelningstemperatur (°C):

Ingen data tillgänglig.

Data om brand- och explosionsrisker

Flampunkt (°C):

Ingen data tillgänglig.

Brandfarlighet (°C):

Ingen data tillgänglig.

Självantändningstemperatur (°C):

Ingen data tillgänglig.

Explosionsgränser (% v/v):

Ingen data tillgänglig.

Löslighet

Löslighet i vatten:

Fullt lösligt

n-oktanol/vatten koefficient (LogKow):

Ingen data tillgänglig.

Löslighet i fett (g/L):

Ingen data tillgänglig.

9.2. Annan information

Andra fysikaliska och kemiska parametrar:

Ingen data tillgänglig.

Oxiderande egenskaper:

Ingen data tillgänglig.

AVSNITT 10: STABILITET OCH REAKTIVITET

10.1. Reaktivitet

Ingen data tillgänglig.

10.2. Kemisk stabilitet

Produkten är stabil under de förhållanden som anges i avsnitt 7 (Hantering och lagring).

10.3. Risken för farliga reaktioner

Inga kända.

10.4. Förhållanden som ska undvikas

Inga kända.

10.5. Oförenliga material

Starka syror, starka baser, starka oxidationsmedel och starka reduktionsmedel.

10.6. Farliga sönderdelningsprodukter

Under normala förvarings- och användningsförhållanden bör det inte skapas farliga nedbrytningsprodukter.

AVSNITT 11: TOXIKOLOGISK INFORMATION

11.1. Information om faroklasser enligt förordning (EG) nr 1272/2008

Akut toxicitet

Produkt/Ämne	2-(2-ethoxyethoxy)ethanol
Art:	Råtta
Exponeringsväg:	Inandning
Test:	LC0
Resultat:	0,025 mg/L

Produkt/Ämne	2-(2-ethoxyethoxy)ethanol
Testmetod:	OECD 402
Art:	Kanin
Exponeringsväg:	Hud
Test:	LD50
Resultat:	9143 mg/kg

Produkt/Ämne	2-(2-ethoxyethoxy)ethanol
Art:	Mus
Exponeringsväg:	Oralt
Test:	LD50
Resultat:	6031 mg/kg

Produkt/Ämne	väteperoxidlösning 35%
Art:	Råtta
Exponeringsväg:	Oralt
Test:	LD50

Resultat: 1.193 - 1.270 mg/L

Produkt/Ämne väteperoxidlösning 35%
Art: Kanin
Exponeringsväg: Hud
Test: LD50
Resultat: >2.000 (35% oplossing) mg/kg

Produkt/Ämne 1,2-bensisotiazol-3(2H)-on; 1,2-bensisotiazolin-3-on
Art: Råtta
Exponeringsväg: Oralt
Test: LD50
Resultat: 500 mg/kg

Kriterierna för klassificering kan på grundval av tillgängliga data inte anses vara uppfyllda.

Frätande/irriterande på huden

Produkt/Ämne 2-(2-ethoxyethoxy)ethanol
Resultat: Inga skadliga effekter observerades (Inte irriterande)

Produkt/Ämne väteperoxidlösning 35%
Resultat: Akuta effekter har observerats (Irriterande)

Produkt/Ämne 1,2-bensisotiazol-3(2H)-on; 1,2-bensisotiazolin-3-on
Testmetod: OECD 404
Resultat: Akuta effekter har observerats (Irriterande)

Kriterierna för klassificering kan på grundval av tillgängliga data inte anses vara uppfyllda.

Allvarlig ögonskada/ögonirritation

Produkt/Ämne 2-(2-ethoxyethoxy)ethanol
Resultat: Akuta effekter har observerats (Lätt irriterande)

Produkt/Ämne väteperoxidlösning 35%
Resultat: Akuta effekter har observerats (Orsakar allvarliga ögonskador)

Produkt/Ämne 1,2-bensisotiazol-3(2H)-on; 1,2-bensisotiazolin-3-on
Testmetod: OECD 405
Resultat: Akuta effekter har observerats (Orsakar allvarliga ögonskador)

Kriterierna för klassificering kan på grundval av tillgängliga data inte anses vara uppfyllda.

Luftvägssensibilisering

Produkt/Ämne väteperoxidlösning 35%
Resultat: Inga skadliga effekter observerades (inte sensibiliserande)

Kriterierna för klassificering kan på grundval av tillgängliga data inte anses vara uppfyllda.

Hudsensibilisering

Produkt/Ämne 1,2-bensisotiazol-3(2H)-on; 1,2-bensisotiazolin-3-on
Testmetod: OECD 429
Art: Mus
Resultat: Akuta effekter har observerats (sensibiliserande)

Produkt/Ämne 1,2-bensisotiazol-3(2H)-on; 1,2-bensisotiazolin-3-on
Testmetod: OECD 406
Art: Marsvin
Resultat: Akuta effekter har observerats (sensibiliserande)

Kriterierna för klassificering kan på grundval av tillgängliga data inte anses vara uppfyllda.

Mutagenitet i könsceller

Kriterierna för klassificering kan på grundval av tillgängliga data inte anses vara uppfyllda.

Cancerogenitet

Produkt/Ämne väteperoxidlösning 35%

Slutsats: Inga skadliga effekter observerades

Kriterierna för klassificering kan på grundval av tillgängliga data inte anses vara uppfyllda.

Reproduktionstoxicitet

Produkt/Ämne väteperoxidlösning 35%

Slutsats: Inga skadliga effekter observerades

Kriterierna för klassificering kan på grundval av tillgängliga data inte anses vara uppfyllda.

Specifik organtoxicitet – enstaka exponering

Kriterierna för klassificering kan på grundval av tillgängliga data inte anses vara uppfyllda.

Specifik organtoxicitet – upprepad exponering

Kriterierna för klassificering kan på grundval av tillgängliga data inte anses vara uppfyllda.

Fara vid aspiration

Produkt/Ämne väteperoxidlösning 35%

Kriterierna för klassificering kan på grundval av tillgängliga data inte anses vara uppfyllda.

11.2. Information om andra faror

Långsiktiga effekter

Inga kända.

Hormonstörande egenskaper

Denna blandning/produkt innehåller inga ämnen som anses ha hormonstörande egenskaper med avseende på hälsan.

Annan information

väteperoxidlösning 35%: Substansen har klassificerats i grupp 3 av IARC.

AVSNITT 12: EKOLOGISK INFORMATION

12.1. Toxicitet

Produkt/Ämne	2-(2-ethoxyethoxy)ethanol
Art:	Bakterier
Varaktighet:	16 hours
Resultat:	> 5000 mg/L

Produkt/Ämne	2-(2-ethoxyethoxy)ethanol
Testmetod:	OECD 201
Art:	Alger, <i>Desmodesmus subspicatus</i>
Varaktighet:	96 timmar
Test:	EC50
Resultat:	>100 mg/L

Produkt/Ämne	2-(2-ethoxyethoxy)ethanol
Testmetod:	OECD 202
Art:	<i>Daphnia magna</i>
Varaktighet:	48 timmar
Test:	EC50
Resultat:	1982 mg/L

Produkt/Ämne	2-(2-ethoxyethoxy)ethanol
Testmetod:	OECD 203
Art:	Fisk, <i>Ictalurus catus</i>
Varaktighet:	96 timmar
Test:	LC50
Resultat:	6010 mg/L

Produkt/Ämne	väteperoxidlösning 35%
Art:	Fisk, <i>Pimephales promelas</i>
Varaktighet:	96 timmar
Test:	LC50

Resultat: 16,4 mg/L

Produkt/Ämne väteperoxidlösning 35%
Art: Fisk, Leuciscus idus
Varaktighet: 72 timmar
Test: LC50
Resultat: 35 mg/L

Produkt/Ämne väteperoxidlösning 35%
Art: Fisk, Oncorhynchus mykiss
Varaktighet: 7 dagar
Test: LC50
Resultat: 38,5 mg/L

Produkt/Ämne väteperoxidlösning 35%
Art: Daphnia pulex
Varaktighet: 48 timmar
Test: EC50
Resultat: 2,4 mg/L

Produkt/Ämne väteperoxidlösning 35%
Art: Daphnia magna
Varaktighet: 24 timmar
Test: EC50
Resultat: 7,7 mg/L

Produkt/Ämne väteperoxidlösning 35%
Art: Skeletonema costatum
Varaktighet: 72 timmar
Test: EC50
Resultat: 1,38 mg/L

Produkt/Ämne väteperoxidlösning 35%
Testmetod: OECD 209
Art: Bakterier
Del av miljön: Aktiv slamanläggning
Varaktighet: 30 minutes
Test: EC50
Resultat: 466 mg/L

Produkt/Ämne väteperoxidlösning 35%
Testmetod: OECD 209
Art: Bakterier
Del av miljön: Aktiv slamanläggning
Varaktighet: 3 timmar
Test: EC50
Resultat: > 1.000 mg/L

Produkt/Ämne 1,2-bensisotiazol-3(2H)-on; 1,2-bensisotiazolin-3-on
Art: Fisk
Varaktighet: 96 timmar
Test: LC50
Resultat: >0.1-1 mg/L

Produkt/Ämne 1,2-bensisotiazol-3(2H)-on; 1,2-bensisotiazolin-3-on
Art: Kräftdjur
Varaktighet: 48 timmar
Test: EC50
Resultat: >0.1-1 mg/L

Produkt/Ämne 1,2-bensisotiazol-3(2H)-on; 1,2-bensisotiazolin-3-on

Art: Alger
Varaktighet: 72 timmar
Test: EC50
Resultat: >0.1-1 mg/L

Kriterierna för klassificering kan på grundval av tillgängliga data inte anses vara uppfyllda.

12.2. ▼ Persistens och nedbrytbarhet

Produkt/Ämne: 2-(2-ethoxyethoxy)ethanol
Resultat: 100 %
Slutsats: Lätt biologiskt nedbrytbar
Test: OECD 301 B

Produkt/Ämne: Alcohol, C13, bran., EO, sulfate Na~
Resultat: > 60 %
Slutsats: Lätt biologiskt nedbrytbar
Test: OECD 301 B

Produkt/Ämne: väteperoxidlösning 35%
Slutsats: Lätt biologiskt nedbrytbar

Produkt/Ämne: 1,2-bensisotiazol-3(2H)-on; 1,2-bensisotiazolin-3-on
Resultat: 90%
Slutsats: Lätt biologiskt nedbrytbar
Test: OECD 302

Den/de tensid(er) som ingår i denna beredning uppfyller kriterierna för biologisk nedbrytning i förordning (EG) nr 648/2004 om tvätt- och rengöringsmedel. Data som stöder detta påstående finns till förfogande för medlemsstaternas behöriga myndigheter, och kommer att göras tillgängliga för dem vid direkt förfrågan, eller vid förfrågan från tillverkare av tvätt- och rengöringsmedel.

12.3. ▼ Bioackumuleringsförmåga

Produkt/Ämne: 2-(2-ethoxyethoxy)ethanol
Slutsats: Lätt biologiskt nedbrytbar

Produkt/Ämne: 2-(2-ethoxyethoxy)ethanol
Slutsats: -

Produkt/Ämne: väteperoxidlösning 35%
LogKow: -1,57
Slutsats: -

Produkt/Ämne: 1,2-bensisotiazol-3(2H)-on; 1,2-bensisotiazolin-3-on
BCF: 2
LogKow: 1.45
Slutsats: Låg potential för bioackumulering

12.4. Rörlighet i jord

Ingen data tillgänglig.

12.5. Resultat av PBT- och vPvB-bedömningen

Denna blandning/produkt innehåller inga ämnen som anses uppfylla kriterierna för klassificering som PBT- och/eller vPvB-ämnena.

12.6. Hormonstörande egenskaper

Denna blandning/produkt innehåller inga ämnen som anses ha endokrinstörande egenskaper i förhållande till miljön.

12.7. Andra skadliga effekter

Inga kända.

AVSNITT 13: AVFALLSHANTERING

13.1. Avfallsbehandlingsmetoder

Denna produkt omfattas av bestämmelser om farligt avfall. (*)

HP 4 - Irriterande (hudirritation och ögonskador)

Avfallsförordning (SFS 2020:614).

EWC-kod:

20 01 30

Andra rengöringsmedel än de som anges i 20 01 29

Förorenad förpackning

Avfallskategorin är vägledande och beror på vilket sätt avfallet har blivit till. Förpackningar med restinnehåll av produkten skall kasseras på samma sätt som produkten.

AVSNITT 14: TRANSPORTINFORMATION

	14.1 UN	14.2 Officiell transportbenämning	14.3 Faroklass för transport	14.4 PG*	14.5 Env**	Annan information:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Förpackningsgrupp

** Miljöfaror

Annat

Ej farligt gods i enlighet med ADR, IATA och IMDG.

14.6. Särskilda skyddsåtgärder

Ej tillämpligt.

14.7. Bulktransport till sjöss enligt IMO:s instrument

Ingen data tillgänglig.

AVSNITT 15: GÄLLANDE FÖRESKRIFTER

15.1. Föreskrifter/lagstiftning om ämnet eller blandningen när det gäller säkerhet, hälsa och miljö

Användningsrestriktioner:

Endast för yrkesmässigt bruk.

Krav på särskild utbildning:

Inga särskilda krav.

SEVESO - Farokategorier / Farliga ämnen:

Ej tillämpligt.

Förordning om sprängämnesprekursorer:

väteperoxidlösning 35% (Bilaga I)

▼ Märkning av innehåll i enlighet med förordning (EG) nr 648/2004 om tvätt- och rengöringsmedel:

>5% - <15%

· Nonjontensider

< 5%

· Anjoniska tensider

· Syrebaserade blekmedel

· Parfym

· Konserveringsmedel (BENZISOTHIAZOLINONE)

Annat:

Den/de tensid(er) som ingår i denna beredning uppfyller kriterierna för biologisk nedbrytning i förordning (EG) nr 648/2004 om tvätt- och rengöringsmedel. Data som stöder detta påstående finns till förfogande för medlemsstaternas behöriga myndigheter, och kommer att göras tillgängliga för dem vid direkt förfrågan, eller vid förfrågan från tillverkare av tvätt- och rengöringsmedel.

Källor:

Europaparlamentets och rådets förordning (EG) nr 648/2004 av den 31 mars 2004 om tvätt- och rengöringsmedel.
Avfallsförordning (SFS 2020:614).
Rådets förordning (EU) 2019/1148 om sprängämnesprekursorer.
Europaparlamentets och rådets förordning (EG) nr 1272/2008 om klassificering, märkning och förpackning av ämnen och blandningar (CLP).
Europaparlamentets och rådets förordning (EG) nr 1907/2006 av den 18. december 2006 om registrering, utvärdering, godkännande och begränsning av kemikalier (REACH).

15.2. Kemikaliesäkerhetsbedömning

Nej

AVSNITT 16: ANNAN INFORMATION

Ordalydelse för H-fraser som anges i avsnitt 3

H271, Kan orsaka brand eller explosion. Starkt oxiderande.
H302, Skadligt vid förtäring.
H314, Orsakar allvarliga frätskador på hud och ögon.
H315, Irriterar huden.
H318, Orsakar allvarliga ögonskador.
H319, Orsakar allvarlig ögonirritation.
H332, Skadligt vid inandning.
H335, Kan orsaka irritation i luftvägarna.
H336, Kan göra att man blir dåsig eller omtöcknad.
H412, Skadliga långtidseffekter för vattenlevande organismer.

Förkortningar och akronymer

ADR = Europeisk överenskommelse om transport av farligt gods på väg
ATE = Uppskattad akut toxicitet
BCF = Biokoncentrationsfaktor
CAS = Registreringsnummer som tilldelats av Chemical Abstract Services
CE = Conformité Européenne (I överensstämmelse med EU-direktiven)
CLP = Europaparlamentets och rådets förordning (EG) 1272/2009 (CLP) om klassificering, märkning och förpackning av ämnen och blandningar
CSA = Kemikaliesäkerhetsbedömning
CSR = Kemikaliesäkerhetsrapport
DNEL = Härledd noll-effekt nivå (Derived No Effect Level)
EINECS = European Inventory of Existing Commercial chemical Substances
ES = Exponeringsscenario
EUH-faroorangivelser = kompletterande faroorangivelser enligt CLP
EuPCS = Det europeiska produktkategoriseringssystemet
EWC = Europeiska avfallskatalogen
GHS = Globalt harmoniserat system för klassificering och märkning av kemiska ämnen och beredningar
GWP = Potential att bidra till växthuseffekten
IATA = International Air Transport Association
IMDG = International Maritime Dangerous Goods
LogPow = logaritmen av fördelningskoefficienten oktanol/vatten
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
OECD = Organisation for Economic Co-operation and Development
PBT = Persistenta, bioackumulerande och toxiska
PNEC = Koncentration som sannolikt inte förorsakar negativ effekt
REACH = Registrering, utvärdering, godkännande och begränsning av kemikalier (Förordning (EG) nr 1907/2006)
RRN = REACH registreringsnummer
SCL = Specifik koncentrationbegränsning.
STOT-RE = Toxicitet för specifikt målorgan - upprepade exponering
STOT-SE = Toxicitet för specifikt målorgan - enstaka exponering
SVHC = Särskilt farliga ämnen
UVBC = Ämnen med okänd eller varierande sammansättning, komplexa reaktionsprodukter eller biologiskt material.
UN = Förenta Nationerna

VOC = Flyktiga organiska ämnen

vPvB = Mycket persistenta och mycket bioackumulerande

Annat

Ej tillämpligt.

Säkerhetsdatabladet är validerat av

Quality & Compliance

Annat

Modifierad data i jämförelse med tidigare utgåva är märkt med en trekant (Första siffran i SDB version).

Upplysningarna i detta säkerhetsdatablad är baserat på vår nuvarande kunskap. Informationen på säkerhetsdatabladet bygger på bästa tillgängliga data och gäller vid produktens avsedda hantering. Detta säkerhetsdatablad avser endast denna produkt och är eventuellt inte tillämpligt om produkten används som ingrediens i annan produkt. Användes produkten på annat sätt eller i annan applikation än den som produkten ursprungligen utvecklats för, eller rekommenderats till, sker detta helt under användarens ansvar. Avsikten med detta säkerhetsdatablad är att beskriva säkerhetskraven för produkten. Det får inte uppfattas som en garanti för produktens egenskaper och informationerna kan inte ersätta ett produktdatablad.

Det rekommenderas att detta säkerhetsdatablad lämnas till den faktiska användaren av produkten.

Land-språk: SE-sv

SAFETY DATA SHEET

i.1 all-purpose cleaner FlexDose

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product identifier

▼ *Trade name:*
i.1 all-purpose cleaner FlexDose

Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses of the substance or mixture:
Washing and cleaning products (including solvent based products)
Restricted to professional users.

Uses advised against :
None known.

Details of the supplier of the safety data sheet

Company and address:
Hygeniq B.V.
Postbus 618
7500 AP Enschede
The Netherlands
+31 53 4282860
+31 53 5393865
www.hygeniq.com

E-mail:
info@hygeniq.com

SDS date:
27/6/2025

SDS Version:
2.0

Date of previous version:
2/6/2025 (1.0)

Emergency telephone number

In an emergency call 995
In less severe situations call the Drugs & Poison Hotline: 6423 9119
See section 4 "First aid measures".

SECTION 2: HAZARDS IDENTIFICATION

Classification of the substance or mixture

Not classified according to SS 586-2:2022.

Label elements

Hazard pictogram(s):
Not applicable.

Signal word:

Not applicable.

Hazard statement(s):

Not applicable.

Precautionary statement(s):

General:

-

Prevention:

-

Response:

-

Storage:

-

Disposal:

-

Hazardous substances:

Does not contain any substances required to report

Additional labelling:

Not applicable.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Substances

Not applicable. This product is a mixture.

Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
Alcohol, C13, bran., EO, sulfate Na~	CAS No.: 150413-26-6 EC No.: 688-316-0	1-3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319	
hydrogen peroxide	CAS No.: 7722-84-1 EC No.: 231-765-0	1-3%	Ox. Liq. 1, H271 Acute Tox. 4, H302 Skin Corr. 1A, H314 (SCL: 70.00 %) Skin Corr. 1B, H314 (SCL: 50.00 %) Skin Irrit. 2, H315 (SCL: 35.00 %) Eye Dam. 1, H318 (SCL: 8.00 %) Eye Irrit. 2, H319 (SCL: 5.00 %) Acute Tox. 4, H332 STOT SE 3, H336 (SCL: 35.00 %)	
citroenzuurmonohydraat	CAS No.: 5949-29-1 EC No.: 611-842-9	<0.1%	Eye Irrit. 2, H319	

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information

-

SECTION 4: FIRST AID MEASURES

Description of first aid measures

General information:

In the case of accident: Contact a doctor or casualty department – bring the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

Inhalation:

In case of discomfort: bring the person into fresh air.

Skin contact:

Upon irritation: rinse with water. In the event of continued irritation, seek medical assistance.

Eye contact:

Rinse gently with lukewarm water. Remove any contact lenses if this is easy to do. Continue rinsing. In case of persistent eye irritation or discomfort: Seek medical help.

Ingestion:

Rinse and flush mouth thoroughly and consume large quantities of water. In case of continued discomfort: seek medical assistance and bring this safety data sheet.

Burns:

Not applicable.

Most important symptoms and effects, both acute and delayed

None known.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

Information to medics

Bring this safety data sheet or the label from this product.

SECTION 5: FIREFIGHTING MEASURES

Extinguishing media

Not applicable.

Special hazards arising from the substance or mixture

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

Carbon oxides (CO / CO₂)

Advice for firefighters

No specific requirements.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation, especially in confined areas.

Contaminated areas may be slippery.

Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.

Keep unauthorized persons away from the spill

Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

Reference to other sections

See section 13 "Disposal considerations" on handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling

Smoking, drinking and consumption of food is not allowed in the work area.

See section 8 "Exposure controls/personal protection" for information on personal protection.

Conditions for safe storage, including any incompatibilities

Recommended storage material:

Keep only in original packaging.

Storage conditions:

Dry, cool and well ventilated

Incompatible materials:

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

Specific end use(s)

This product should only be used for applications quoted in section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

hydrogen peroxide

Long term PEL (8 hours) (ppm): 1

Long term PEL (8 hours) (mg/m³): 1.4

Workplace Safety and Health Act (Chapter 354a, Section 65), Workplace Safety and Health (General Provisions) Regulations (G.N. No. S 134/2006) (Latest revision: January 2023)

Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

General recommendations:

Smoking, drinking and consumption of food is not allowed in the work area.

Exposure scenarios:

There are no exposure scenarios implemented for this product.

Exposure limits:

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

Appropriate technical measures:

The formation of vapours must be kept at a minimum and below current limit values (see above). Installation of a local exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure eyewash and emergency showers are clearly marked.

Apply standard precautions during use of the product. Avoid inhalation of vapours.

Hygiene measures:

Wash hands after use.

Measures to avoid environmental exposure:

No specific requirements.

Individual protection measures, such as personal protective equipment

Generally:

Use only protective equipment with a recognized certification mark, e.g. the S-Mark.

Respiratory Equipment:

Type	Class	Colour	Standards	
No special when used				

Type	Class	Colour	Standards	
as intended.				

Skin protection:

Recommended	Type/Category	Standards	
No special when used as intended.	-	-	

Hand protection:

Work situation	Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
	No special when used as intended	-	-	-	
In the event of prolonged exposure or high concentrations	Cotton/Latex	-	> 120	EN374-2, EN16523-1, EN388	

Eye protection:

Work situation	Type	Standards	
	No special when used as intended.	-	
In the event of prolonged exposure or high concentrations	Safety glasses with side shields.	EN166	

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Form:

Liquid

Colour:

Colourless

Odour:

Of perfume

Odour threshold (ppm):

No data available.

pH:

ca. 4.8

Density (g/cm³):

1.02 (20 °C)

Kinematic viscosity:

No data available.

Particle characteristics:

Does not apply to liquids.

Phase changes

Melting point/Freezing point (°C):

No data available.

Softening point/range (°C):

Does not apply to liquids.

Boiling point (°C):

No data available.

Vapour pressure:

No data available.

Relative vapour density:

No data available.

Decomposition temperature (°C):

No data available.

Evaporation rate (n-butylacetate = 100):

Data on fire and explosion hazards

Flash point (°C):

No data available.

Flammability (°C):

No data available.

Auto-ignition temperature (°C):

No data available.

Explosion limits (% v/v):

No data available.

Solubility

Solubility in water:

Completely soluble

n-octanol/water coefficient (LogKow):

No data available.

Solubility in fat (g/L):

No data available.

Other information

Other physical and chemical parameters:

No data available.

Oxidizing properties:

No data available.

SECTION 10: STABILITY AND REACTIVITY

Reactivity

No data available.

Chemical stability

The product is stable under the conditions, noted in section 7 "Handling and storage".

Possibility of hazardous reactions

None known.

Conditions to avoid

None known.

Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity

Product/substance	hydrogen peroxide

Conforms to Singapore Standard SS 586-3:2022

Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	1.193 - 1.270 mg/L

Product/substance	hydrogen peroxide
Species:	Rabbit
Route of exposure:	Dermal
Test:	LD50
Result:	>2.000 (35% oplossing) mg/kg

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	500 mg/kg

Based on available data, the classification criteria are not met.

Skin corrosion/irritation

Product/substance	hydrogen peroxide
Result:	Adverse effect observed (Irritating)

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Test method:	OECD 404
Result:	Adverse effect observed (Irritating)

Based on available data, the classification criteria are not met.

Serious eye damage/irritation

Product/substance	hydrogen peroxide
Result:	Adverse effect observed (Causes serious eye damage)

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Test method:	OECD 405
Result:	Adverse effect observed (Causes serious eye damage)

Based on available data, the classification criteria are not met.

Respiratory sensitisation

Product/substance	hydrogen peroxide
Result:	No adverse effect observed (not sensitising)

Based on available data, the classification criteria are not met.

Skin sensitisation

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Test method:	OECD 429
Species:	Mouse
Result:	Adverse effect observed (sensitising)

Product/substance	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;1,2-benzisothiazolin-3-one
Test method:	OECD 406
Species:	Guinea pig
Result:	Adverse effect observed (sensitising)

Based on available data, the classification criteria are not met.

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Product/substance	hydrogen peroxide
Conclusion:	No adverse effect observed

Based on available data, the classification criteria are not met.

hydrogen peroxide has been classified by IARC as a group 3 carcinogen.

Reproductive toxicity

Product/substance: hydrogen peroxide
Conclusion: No adverse effect observed

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Product/substance: hydrogen peroxide
Based on available data, the classification criteria are not met.

Long term effects

None known.

SECTION 12: ECOLOGICAL INFORMATION

Toxicity

Product/substance: hydrogen peroxide
Species: Fish, Pimephales promelas
Duration: 96 hours
Test: LC50
Result: 16,4 mg/L

Product/substance: hydrogen peroxide
Species: Fish, Leuciscus idus
Duration: 72 hours
Test: LC50
Result: 35 mg/L

Product/substance: hydrogen peroxide
Species: Fish, Oncorhynchus mykiss
Duration: 7 days
Test: LC50
Result: 38,5 mg/L

Product/substance: hydrogen peroxide
Species: Daphnia pulex
Duration: 48 hours
Test: EC50
Result: 2,4 mg/L

Product/substance: hydrogen peroxide
Species: Daphnia magna
Duration: 24 hours
Test: EC50
Result: 7,7 mg/L

Product/substance: hydrogen peroxide
Species: Skeletonema costatum
Duration: 72 hours
Test: EC50
Result: 1,38 mg/L

Product/substance: hydrogen peroxide
Test method: OECD 209
Species: Bacteria
Compartment: Activated Sludge Plant
Duration: 30 minutes

Conforms to Singapore Standard SS 586-3:2022

Test: EC50
Result: 466 mg/L

Product/substance: hydrogen peroxide
Test method: OECD 209
Species: Bacteria
Compartment: Activated Sludge Plant
Duration: 3 hours
Test: EC50
Result: > 1.000 mg/L

Product/substance: 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Species: Fish
Duration: 96 hours
Test: LC50
Result: >0.1-1 mg/L

Product/substance: 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Species: Crustacean
Duration: 48 hours
Test: EC50
Result: >0.1-1 mg/L

Product/substance: 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Species: Algae
Duration: 72 hours
Test: EC50
Result: >0.1-1 mg/L

Based on available data, the classification criteria are not met.

Persistence and degradability

Product/substance: Alcohol, C13, bran., EO, sulfate Na~
Result: > 60 %
Conclusion: Readily biodegradable
Test: OECD 301 B

Product/substance: hydrogen peroxide
Conclusion: Readily biodegradable

Product/substance: 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Result: 90%
Conclusion: Readily biodegradable
Test: OECD 302

Bioaccumulative potential

Product/substance: hydrogen peroxide
LogKow: -1,57
Conclusion: -

Product/substance: 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
BCF: 2
LogKow: 1.45
Conclusion: Potential for bioaccumulation is low

Mobility in soil

No data available.

Results of PBT and vPvB assessment

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

Other adverse effects

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

Dispose of contents/container to an approved waste disposal plant.
Environmental Protection and Management Act 1999 (2020 Rev. Ed.)

Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: TRANSPORT INFORMATION

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other informatio n:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Packing group

** Environmental hazards

Additional information

Not dangerous goods according to ADR, IATA and IMDG.

Special precautions for user

Not applicable.

Transport in bulk according to Annex II of Marpol and the IBC Code

No data available.

SECTION 15: REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

Restrictions for application:

Restricted to professional users.

Demands for specific education:

No specific requirements.

Major hazard installation:

Not applicable.

Additional information:

Not applicable.

Sources:

Employment Act 1968 (2020 Rev. Ed.)

Environmental Protection and Management Act 1999 (2020 Rev. Ed.)

Environmental Protection and Management Act (Chapter 94a, Section 77), Environmental Protection and Management (Hazardous Substances) Regulations (No. S 159/1999)

Globally Harmonized System of Classification and Labelling of Chemicals (GHS Rev. 8, 2019) as specified by SS 586-2 and SS 586-3:2022.

Chemical safety assessment

No

SECTION 16: OTHER INFORMATION

Full text of H-phrases as mentioned in section 3

H271, May cause fire or explosion; strong oxidiser.
H302, Harmful if swallowed.
H314, Causes severe skin burns and eye damage.
H315, Causes skin irritation.
H318, Causes serious eye damage.
H319, Causes serious eye irritation.
H332, Harmful if inhaled.
H336, May cause drowsiness or dizziness.

The full text of identified uses as mentioned in section 1

None known.

Abbreviations and acronyms

ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
CAS = Chemical Abstracts Service
EINECS = European Inventory of Existing Commercial chemical Substances
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IARC = International Agency for Research on Cancer
IATA = International Air Transport Association
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
OECD = Organisation for Economic Co-operation and Development
PBT = Persistent, Bioaccumulative and Toxic
PEL = Permissible Exposure Level
RCM = Regulatory Mark of Conformity
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
SCL = A specific concentration limit
SS = Singapore Standard
STEL = Short-term exposure limits
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
STOT-SE = Specific Target Organ Toxicity - Single Exposure
TWA = Time weighted average
UN = United Nations
UVBC = Unknown or variable composition, complex reaction products or of biological materials
VOC = Volatile Organic Compound
vPvB = Very Persistent and Very Bioaccumulative

Additional information

Not applicable.

The safety data sheet is validated by

Quality & Compliance

Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

Country-language: SG-en

VARNOSTNI LIST

i.1 all-purpose cleaner FlexDose

ODDELEK 1: IDENTIFIKACIJA SNOVI/ZMESI IN DRUŽBE/PODJETJA

1.1. Identifikator izdelka

▼ *Trgovsko ime:*

i.1 all-purpose cleaner FlexDose

1.2. Pomembne identificirane uporabe snovi ali zmesi in odsvetovane uporabe

Pomembne identificirane uporabe snovi ali zmesi:

Detergenti in čistilna sredstva (vključno s tistimi na osnovi topil)

Samo za poklicne uporabnike.

Odsvetovane uporabe:

Ni znano.

1.3. Podrobnosti o dobavitelju varnostnega lista

Podjetje in naslov podjetja:

Hygeniq B.V.

Lenteweg 15

7532 RV Enschede

Nederland

0534282860

E-pošta:

info@hygeniq.com

Sprememba:

27. 06. 2025

Različica SDS:

2.0

Datum prejšnje izdaje:

2. 06. 2025 (1.0)

1.4. Telefonska številka za nujne primere

112

Glejte oddelek 4 "Ukrepi za prvo pomoč"

ODDELEK 2: DOLOČITEV NEVARNOSTI

2.1. Razvrstitev snovi ali zmesi

Ni klasificirano v skladu z Uredbo (ES) št. 1272/2008 (CLP).

2.2. Elementi etikete

Piktogram(i) za nevarnost:

Se ne uporablja.

Opozorilna beseda:

Se ne uporablja.

Stavki o nevarnosti:

Se ne uporablja.

Previdnostni stavki:

Splošno:

-

Preprečevanje:

-

Odgovor:

-

Shramba:

-

Odstranjevanje:

-

Identiteta snovi, ki so primarno odgovorne za večja zdravstvena tveganja:

Ne vsebuje snovi, ki so potrebne za poročanje

Dodatno označevanje:

EUH210, Varnosti list na voljo na zahtevo.

Označevanje vsebine v skladu z Uredbo o detergentih 648/2004 (velja za embalažo detergentov, ki se prodajajo širši javnosti):

>5% - <15%

· Neionske površinsko aktivne snovi

< 5%

· Anionske površinsko aktivne snovi

· Belila na osnovi kisika

· Parfumi

· Konzervansu (BENZISOTHIAZOLINONE)

2.3. Druge nevarnosti

Dodatna opozorila:

Mešanica/izdelek ne vsebuje nobenih snovi, ki izpolnjujejo merila za razvrstitev kot PBT in/ali vPvB.

Ta proizvod ne vsebuje nobenih snovi, za katere se šteje, da so endokrini motilci v skladu z merili, določenimi v Delegirani uredbi Komisije (EU) 2017/2100 ali Uredbi Komisije (EU) 2023/707.

ODDELEK 3: SESTAVA/PODATKI O SESTAVINAH

3.1. Snovi

Se ne uporablja. Ta proizvod je mešanica.

3.2. Zmesi

Izdelek/sestavina	Identifikatorji	% w/w	Razvrstitev	Opombe
Alcohol, C13, bran., EO, sulfate Na~	Št. CAS: 150413-26-6 Št. ES: 688-316-0 REACH: Indeksna št.:	1-3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 3, H412	
vodikov peroksid v raztopini 35%	Št. CAS: 7722-84-1 Št. ES: 231-765-0 REACH: 01-2119485845-22-XXXX Indeksna št.: 008-003-00-9	1-3%	Ox. Liq. 1, H271 Acute Tox. 4, H302 Skin Corr. 1A, H314 (SCL: 70,00 %) Skin Corr. 1B, H314 (SCL: 50,00 %) Skin Irrit. 2, H315 (SCL: 35,00 %) Eye Dam. 1, H318 (SCL: 8,00 %) Eye Irrit. 2, H319 (SCL: 5,00 %) Acute Tox. 4, H332 STOT SE 3, H336 (SCL: 35,00 %)	

citroenzuurmonohydraat	Št. CAS: 5949-29-1 Št. ES: 611-842-9 REACH: 01-2119457026-42-XXXX Indeksna št.:	<0.1%	Eye Irrit. 2, H319	
Disodium tin hexahydroxide	Št. CAS: 12027-70-2 Št. ES: 234-724-5 REACH: 01-2120770924-45-XXXX Indeksna št.:	<0.05%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	[1]

Poglejte celotno besedilo o H-stavkih v oddelek 16. Mejne vrednosti poklicne izpostavljenosti so našteje v oddelek 8, če so na voljo.

Druge informacije

[1] Evropska mejna vrednost poklicne izpostavljenosti.

ODDELEK 4: UKREPI ZA PRVO POMOČ

4.1. Opis ukrepov za prvo pomoč

Splošne informacije:

V primeru nesreče: Stopite v stik z zdravnikom ali urgenco - vzemite nalepko ali ta varnostni list s sabo. Posvetujte z zdravnikom, če ste v dvomih o stanju poškodovanca ali če simptomi ne izginejo. Nikoli ne dajajte nezavestni osebi vode ali podobno.

Vdihavanje:

Ob težavah z dihanjem ali draženju dihal: Pospremite osebo na svež zrak in ostanite tam z njo.

Stik s kožo:

V primeru draženja: splahnite izdelek. V primeru ponavljajočega draženja: Poiščite zdravniško pomoč.

Stik z očmi:

Pri stiku z očmi: Oči spirajte z vodo ali fiziološko raztopino (20-30 ° C) najmanj 5 minut. Odstranite kontaktne leče. Poiščite zdravniško pomoč in nadaljujte z izpiranjem med prevozom.

Zaužitje:

Če je oseba pri zavesti, sperite usta z vodo in ostanite ob osebi. Če se oseba počuti slabo, se takoj posvetujte z zdravnikom in vzemite ta varnostni list ali etiketo z izdelka, z vami. Ne izzivajte bruhanja, razen če ga priporoča zdravnik. Držite glavo obrnjeno navzdol, tako da ne izbljuvek ne teče nazaj v usta in grlo.

Opekline:

Se ne uporablja.

4.2. Najpomembnejši simptomi in učinki, akutni in zapozneli

Ni znano.

4.3. Navedba kakršne koli takojšnje medicinske oskrbe in posebnega zdravljenja

Zdravite simptomatsko.

Navodila medicinskemu osebju

Prinesite ta varnostnega lista ali etiketo z materiala.

ODDELEK 5: PROTIPOŽARNI UKREPI

5.1. Sredstva za gašenje

Se ne uporablja.

5.2. Posebne nevarnosti v zvezi s snovjo ali zmesjo

Ob izbruhu ognja pride do gostega dima. Izpostavljenost kataboličnim izdelkom lahko škoduje vašemu zdravju. Zaprte posode, ki so izpostavljene ognju, je treba ohladiti z vodo. Preprečite, da bi voda, s katero je bil gašen požar,

iztekala v kanalizacijo in druge vodotoke.

Če je izdelek izpostavljen visokim temperaturam, kot v primeru požara, se proizvedejo nevarne katabolne snovi. To so: Ogljikovi oksidi (CO / CO₂)

5.3. Nasvet za gasilce

Ni posebnih zahtev.

ODDELEK 6: UKREPI OB NENAMERNIH IZPUSTIH

6.1. Osebnostni ukrepi, zaščitna oprema in postopki v sili

Zagotovite ustrezno prezračevanje, predvsem v zaprtih prostorih.
Kontaminirana območja so lahko spolzka.

6.2. Okoljevarstveni ukrepi

Izogibajte se izpustom v jezera, potoke, kanalizacijo, itd.
Nepooblaščen osebe naj se ne približujejo razlitju

6.3. Metode in materiali za zadrževanje in čiščenje

Razlitje omejite in zberite z nevnetljivim, vpojnim materialom, npr. peskom, zemljo, vermikulitom ali diatomejsko zemljo, in dajte v posodo za odlaganje v skladu z lokalnimi predpisi.
Počistiti je potrebno v največji možni meri, z uporabo običajnih čistil. Izogibati se je potrebno topilom.

6.4. Sklizevanje na druge oddelke

Glejte oddelek 13 "Odstranjevanje" za ravnanje z odpadki.
Za zaščitne ukrepe glejte oddelek 8 "Nadzor izpostavljenosti/osebna zaščita".

ODDELEK 7: RAVNANJE IN SKLADIŠČENJE

7.1. Varnostni ukrepi za varno ravnanje

V delovnih prostorih ni dovoljeno kajenje, uživanje hrane ali tekočine in shranjevanje tobaka, hrane ali tekočine.
Glejte oddelek "Nadzor izpostavljenosti/osebna zaščita" za informacije glede osebne zaščite.

7.2. Pogoji za varno skladiščenje, vključno z nezdružljivostjo

Posode, ki so bile odprte, se morajo previdno zatesniti in hraniti v pokončnem položaju, da se prepreči iztekanje.

Združljivostjo embalaže:

Hraniti samo v originalni embalaži.

Pogji skladiščenja:

Suho, hladno in dobro prezračeno

Nezdružljivi materiali:

Močne kisline, močne baze, močni oksidanti in močni reducenti.

7.3. Posebne končne uporabe

Ta izdelek se sme uporabljati le za uporabe, opisane v oddelek 1.2.

ODDELEK 8: NADZOR IZPOSTAVLJENOSTI/OSEBNA ZAŠČITA

8.1. Parametri nadzora

2-(2-ethoxyethoxy)ethanol

Kratkotrajna vrednost (15 min) (KTV) (ppm): 12

Kratkotrajna vrednost (15 min) (KTV) (mg/m³): 70

Mejne vrednosti (8 ur) (MV) (ppm): 6

Mejne vrednosti (8 ur) (MV) (mg/m³): 35

Opombe:

Y = Snovi, pri katerih ni nevarnosti za zarodek ob upoštevanju mejnih vrednosti in BAT-vrednosti.

vodikov peroksid v raztopini 35%

Kratkotrajna vrednost (15 min) (KTV) (mg/m³): 1

Mejne vrednosti (8 ur) (MV) (ppm): 1

Mejne vrednosti (8 ur) (MV) (mg/m³): 1,4

1602. Pravilnik o spremembah in dopolnitvah Pravilnika o varovanju delavcev pred tveganji zaradi izpostavljenosti kemičnim snovem pri delu, stran 4251.

DNEL

1,2-benzizotiazol-3(2H)-on; 1,2-benzizotiazolin-3-on; 1,2-benzizotiazol-3(2H)-on

Trajanje:	Način izpostavljenosti:	DNEL:
Dolgoročno - sistemski učinki - delavci	Dermalno	966 µg/kg bw/day
Dolgoročno - sistemski učinki - splošna populacija	Dermalno	0.345 mg/kg
Dolgoročno - sistemski učinki - delavci	Inhalacija	6.81 mg/m ³
Dolgoročno - sistemski učinki - splošna populacija	Inhalacija	1.2 mg/m ³

2-(2-ethoxyethoxy)ethanol

Trajanje:	Način izpostavljenosti:	DNEL:
Dolgoročno - sistemski učinki - delavci	Dermalno	50 mg/kg bw/day
Dolgoročno - sistemski učinki - delavci	Dermalno	83 mg/kg/day
Dolgoročno - sistemski učinki - splošna populacija	Dermalno	25 mg/kg/day
Dolgoročno - lokalni učinki - delavci	Inhalacija	18 mg/m ³
Dolgoročno - lokalni učinki - delavci	Inhalacija	30 mg/m ³
Dolgoročno - lokalni učinki - splošna populacija	Inhalacija	18,3 mg/m ³
Dolgoročno - lokalni učinki - splošna populacija	Inhalacija	18 mg/m ³
Dolgoročno - sistemski učinki - delavci	Inhalacija	37 mg/m ³
Dolgoročno - sistemski učinki - delavci	Inhalacija	61 mg/m ³
Dolgoročno - sistemski učinki - splošna populacija	Oralno	25 mg/kg bw/day

Disodium tin hexahydroxide

Trajanje:	Način izpostavljenosti:	DNEL:
Dolgoročno - sistemski učinki - delavci	Dermalno	3.37 mg/kg bw/day
Dolgoročno - sistemski učinki - splošna populacija	Dermalno	1.21 mg/kg bw/day
Dolgoročno - sistemski učinki - delavci	Inhalacija	11.9 mg/m ³
Dolgoročno - sistemski učinki - splošna populacija	Inhalacija	1.78 mg/m ³
Dolgoročno - sistemski učinki - splošna populacija	Oralno	1.21 mg/kg bw/day

vodikov peroksid v raztopini 35%

Trajanje:	Način izpostavljenosti:	DNEL:
Dolgoročno - lokalni učinki - delavci	Inhalacija	1.4 mg/m ³
Dolgoročno - lokalni učinki - splošna populacija	Inhalacija	0,21 mg/m ³
Dolgoročno - lokalni učinki - splošna populacija	Inhalacija	210 µg/m ³
Kratkoročno - lokalni učinki - delavci	Inhalacija	3 mg/m ³
Kratkoročno - lokalni učinki - splošna populacija	Inhalacija	1.93 mg/m ³

PNEC

1,2-benzizotiazol-3(2H)-on; 1,2-benzizotiazolin-3-on; 1,2-benzizotiazol-3(2H)-on

Način izpostavljenosti:	Trajanje izpostavljenosti:	PNEC:
Morska usedlina		4.99 µg/kg
Morska voda		403 ng/L
Naprava za čiščenje odplak		1.03 mg/L

Občasno spuščanje (morska voda)		110 ng/L
Občasno spuščanje (sladka voda)		1.1 µg/L
Sladka voda		4.03 µg/L
Sladkovona usedlina		49.9 µg/kg
Tla		3 mg/kg

2-(2-ethoxyethoxy)ethanol

Način izpostavljenosti:	Trajanje izpostavljenosti:	PNEC:
Morska usedlina		0,274 mg/kg
Morska voda		0,074 mg/L
Morska voda		0.198 mg/L
Naprava za čiščenje odplak		500 mg/L
Občasno spuščanje		10 mg/L
Občasno spuščanje (sladka voda)		10 mg/L
Sladka voda		0,74 mg/L
Sladka voda		1.98 mg/L
Sladkovona usedlina		2,47 mg/kg
Sladkovona usedlina		7.32 mg/kg
Tla		0,15 mg/kg
Tla		0.732 mg/kg
Tla		0.34 mg/kg

Disodium tin hexahydroxide

Način izpostavljenosti:	Trajanje izpostavljenosti:	PNEC:
Morska usedlina		139.46 µg/kg
Morska voda		3.31 µg/L
Naprava za čiščenje odplak		10 mg/L
Občasno spuščanje (morska voda)		33.1 µg/L
Občasno spuščanje (sladka voda)		331 µg/L
Sladka voda		33.1 µg/L
Sladkovona usedlina		1.395 mg/kg

vodikov peroksid v raztopini 35%

Način izpostavljenosti:	Trajanje izpostavljenosti:	PNEC:
Morska usedlina		0,047 mg/L
Morska usedlina		47 µg/kg
Morska voda		0,047 mg/L
Morska voda		12.6 µg/L
Naprava za čiščenje odplak		4.66 mg/L
Naprava za čiščenje odplak		4.66 mg/L
Občasno spuščanje (sladka voda)		13.8 µg/L
Sladka voda		0,0126 mg/L
Sladka voda		12.6 µg/L
Sladkovona usedlina		0,047 mg/kg
Sladkovona usedlina		47 µg/kg

Tla		0,023 mg/kg
Tla		2.3 µg/kg

8.2. Nadzor izpostavljenosti

Skladnost z navedenimi vrednostmi omejitev ob izpostavljenosti, je treba redno preverjati.

Splošna priporočila:

V delovnih prostorih ni dovoljeno kajenje, uživanje hrane ali tekočine in shranjevanje tobaka, hrane ali tekočine.

Scenariji izpostavljenosti:

Za ta izdelek ni scenarijev izpostavljenosti.

Omejitve izpostavljenosti:

Trgovci so zajeti v pravilih zakonodaje delovnega okolja glede najvišjih dovoljenih koncentracij izpostavljenosti.

Zgoraj si oglejte mejne vrednosti delovne higijene.

Primerni tehnični ukrepi:

Nastajanje pare naj bo minimalno in pod vrednostmi trenutne omejitve (glejte zgoraj.). Če v delovnem prostoru ni zadostnega normalnega zračnega pretoka, je priporočena namestitve lokalnega izpušnega sistema. Prepričajte se, da so zasilne enote za izpiranje oči in prhe jasno označene.

Med uporabo izdelka upoštevajte varnostne ukrepe. Izogibajte se vdihavanju hlapov.

Higienski ukrepi:

Kadarkoli si vzamete premor ob uporabi tega izdelka in ko ga prenehate uporabljati, je potrebno oprati vse izpostavljene površine telesa. Bodite posebej pozorni na roke, podlakti in obraz.

Ukrepi, da se prepreči okoljska izpostavljenost:

Ni posebnih zahtev.

Posamezni varnostni ukrepi, kot na primer osebna zaščitna oprema

Na splošno:

Uporabljajte samo zaščitno opremo z oznako CE.

Dihalna oprema:

Tip	Razred	Barva	Standarde	
Brez posebnosti, ko je v nameravani uporabi.				

Zaščita kože:

Priporočeno	Tipa/Kategorije	Standarde	
Brez posebnosti, ko je v nameravani uporabi	-	-	

Zaščita za roke:

Okoliščine na delovnem mestu	Material	Debelina rokavice (mm)	Čas prodiranja (min.)	Standarde	
	Brez posebnosti, ko je v nameravani uporabi	-	-	-	
V primeru dolgotrajne izpostavljenosti ali pri visokih koncentracijah	Bombaža / Naravna guma (lateks)	-	> 120	EN374-2, EN16523-1, EN388	

Zaščita za oči:

Okoliščine na delovnem mestu	Tip	Standarde	
	Brez posebnosti, ko je v nameravani uporabi.	-	
V primeru dolgotrajne izpostavljenosti ali pri visokih koncentracijah	Nosite varnostna očala s stranskimi ščitniki.	EN166	

ODDELEK 9: FIZIKALNE IN KEMIJSKE LASTNOSTI

9.1. Podatki o osnovnih fizikalnih in kemijskih lastnostih

Oblika:

Tekoč

Barva:

Brezbarven

Vonj / Mejne vrednosti vonja (ppm):

Odišavljen

pH:

ca. 4.8

Gostota (g/cm³):

1,02 (20 °C)

Kinematična viskoznost:

Podatki niso na voljo.

Lastnosti delcev:

Se ne uporablja za tekočine.

Spremembe faz

Tališče/ledišče (°C):

Podatki niso na voljo.

Zmehčišče (voskih in pastah) (°C):

Se ne uporablja za tekočine.

Vreliščna točka (°C):

Podatki niso na voljo.

Pritisk pare:

Podatki niso na voljo.

Relativna parna gostota:

Podatki niso na voljo.

Temperatura razpadanja (°C):

Podatki niso na voljo.

Podatki o nevarnostih požara in eksplozije

Plamenišče (°C):

Podatki niso na voljo.

Vnetljivost (°C):

Podatki niso na voljo.

Temperatura samovžiga (°C):

Podatki niso na voljo.

Omejitve eksplozije (Vol %):

Podatki niso na voljo.

Topnost

Topnost v vodi:

Povsem topno

n-oktanol / vodni koeficient (LogKow):

Podatki niso na voljo.

Topnost v maščobi (g/L):

Podatki niso na voljo.

9.2. Drugi podatki

Drugi fizikalni in kemijski parametri:

Podatki niso na voljo.

Oksidacijske lastnosti:

Podatki niso na voljo.

ODDELEK 10: OBSTOJNOST IN REAKTIVNOST

10.1. Reaktivnost

Podatki niso na voljo.

10.2. Kemijska stabilnost

Izdelek je stabilen v pogojih, ki so navedeni v oddelek 7 "Ravnanje in skladiščenje".

10.3. Možnost poteka nevarnih reakcij

Ni znano.

10.4. Pogoji, ki se jim je treba izogniti

Ni znano.

10.5. Nezdružljivi materiali

Močne kisline, močne baze, močni oksidanti in močni reducenti.

10.6. Nevarni produkti razgradnje

V običajnih pogojih shranjevanja in uporabe ne bi smeli nastajati nevarni produkti razgradnje.

ODDELEK 11: TOKSIKOLOŠKI PODATKI

11.1. Podatki o razredih nevarnosti, kakor so opredeljeni v Uredbi (ES) št. 1272/2008

Akutna toksičnost

Izdelek/sestavina	2-(2-ethoxyethoxy)ethanol
Vrste:	Podgana
Način izpostavljenosti:	Inhalacija
Test:	LC0
Rezultat:	0,025 mg/L

Izdelek/sestavina	2-(2-ethoxyethoxy)ethanol
Testni metoda:	OECD 402
Vrste:	Zajec
Način izpostavljenosti:	Dermalno
Test:	LD50
Rezultat:	9143 mg/kg

Izdelek/sestavina	2-(2-ethoxyethoxy)ethanol
Vrste:	Miš
Način izpostavljenosti:	Oralno
Test:	LD50
Rezultat:	6031 mg/kg

Izdelek/sestavina	vodikov peroksid v raztopini 35%
Vrste:	Podgana
Način izpostavljenosti:	Oralno
Test:	LD50
Rezultat:	1.193 - 1.270 mg/L

Izdelek/sestavina	vodikov peroksid v raztopini 35%
Vrste:	Zajec
Način izpostavljenosti:	Dermalno
Test:	LD50
Rezultat:	>2.000 (35% oplossing) mg/kg

Izdelek/sestavina	1,2-benzizotiazol-3(2H)-on; 1,2-benzizotiazolin-3-on;1,2-benzizotiazol-3(2H)-on
Vrste:	Podgana
Način izpostavljenosti:	Oralno
Test:	LD50
Rezultat:	500 mg/kg

Na podlagi razpoložljivih podatkov merila za razvrstitev niso izpolnjena.

Jedkost / draženje kože

Izdelek/sestavina	2-(2-ethoxyethoxy)ethanol
Rezultat:	Škodljivi učinki niso bili ugotovljeni (Ne draži)

Izdelek/sestavina	vodikov peroksid v raztopini 35%
Rezultat:	Ugotovljeni škodljivi učinki (Draži)

Izdelek/sestavina	1,2-benzizotiazol-3(2H)-on; 1,2-benzizotiazolin-3-on;1,2-benzizotiazol-3(2H)-on
Testni metoda:	OECD 404
Rezultat:	Ugotovljeni škodljivi učinki (Draži)

Na podlagi razpoložljivih podatkov merila za razvrstitev niso izpolnjena.

Resna poškodba/draženje oči

Izdelek/sestavina	2-(2-ethoxyethoxy)ethanol
Rezultat:	Ugotovljeni škodljivi učinki (Rahlo draži)

Izdelek/sestavina	vodikov peroksid v raztopini 35%
Rezultat:	Ugotovljeni škodljivi učinki (Povzroča hude poškodbe oči)

Izdelek/sestavina	1,2-benzizotiazol-3(2H)-on; 1,2-benzizotiazolin-3-on;1,2-benzizotiazol-3(2H)-on
Testni metoda:	OECD 405
Rezultat:	Ugotovljeni škodljivi učinki (Povzroča hude poškodbe oči)

Na podlagi razpoložljivih podatkov merila za razvrstitev niso izpolnjena.

Preobčutljivost dihal

Izdelek/sestavina	vodikov peroksid v raztopini 35%
Rezultat:	Škodljivi učinki niso bili ugotovljeni (ne senzibilizira)

Na podlagi razpoložljivih podatkov merila za razvrstitev niso izpolnjena.

Preobčutljivost kože

Izdelek/sestavina	1,2-benzizotiazol-3(2H)-on; 1,2-benzizotiazolin-3-on;1,2-benzizotiazol-3(2H)-on
Testni metoda:	OECD 429
Vrste:	Miš
Rezultat:	Ugotovljeni škodljivi učinki (povzroča preobčutljivost)

Izdelek/sestavina	1,2-benzizotiazol-3(2H)-on; 1,2-benzizotiazolin-3-on;1,2-benzizotiazol-3(2H)-on
Testni metoda:	OECD 406
Vrste:	Morski prašiček
Rezultat:	Ugotovljeni škodljivi učinki (povzroča preobčutljivost)

Na podlagi razpoložljivih podatkov merila za razvrstitev niso izpolnjena.

Mutagenost zarodnih celic

Na podlagi razpoložljivih podatkov merila za razvrstitev niso izpolnjena.

Rakotvornost

Izdelek/sestavina	vodikov peroksid v raztopini 35%
Zaključek:	Škodljivi učinki niso bili ugotovljeni

Na podlagi razpoložljivih podatkov merila za razvrstitev niso izpolnjena.

Razmnoževalna toksičnost

Izdelek/sestavina	vodikov peroksid v raztopini 35%
Zaključek:	Škodljivi učinki niso bili ugotovljeni

Na podlagi razpoložljivih podatkov merila za razvrstitev niso izpolnjena.

STOT-enkratna izpostavljenost

Na podlagi razpoložljivih podatkov merila za razvrstitev niso izpolnjena.

STOT-ponavljajoča izpostavljenost

Na podlagi razpoložljivih podatkov merila za razvrstitev niso izpolnjena.

Nevarnost pri vdihavanju

Izdelek/sestavina vodikov peroksid v raztopini 35%

Na podlagi razpoložljivih podatkov merila za razvrstitev niso izpolnjena.

11.2. Podatki o drugih nevarnostih

Dolgoročni učinki

Ni znano.

Lastnosti endokrinih motilcev

Ta mešanica/izdelek ne vsebuje nobene snovi, za katero se šteje, da ima lastnosti hormonskega motilca v zvezi z zdravjem

Drugi podatki

odikov peroksid v raztopini 35%: Agencija IARC je snov razvrstila v skupino 3.

ODDELEK 12: EKOLOŠKI PODATKI

12.1. Strupenost

Izdelek/sestavina	2-(2-ethoxyethoxy)ethanol
Vrste:	Bakterije
Trajanje:	16 hours
Rezultat:	> 5000 mg/L

Izdelek/sestavina	2-(2-ethoxyethoxy)ethanol
Testni metoda:	OECD 201
Vrste:	Alge, <i>Desmodesmus subspicatus</i>
Trajanje:	96 ur
Test:	EC50
Rezultat:	>100 mg/L

Izdelek/sestavina	2-(2-ethoxyethoxy)ethanol
Testni metoda:	OECD 202
Vrste:	<i>Daphnia magna</i>
Trajanje:	48 ur
Test:	EC50
Rezultat:	1982 mg/L

Izdelek/sestavina	2-(2-ethoxyethoxy)ethanol
Testni metoda:	OECD 203
Vrste:	Riba, <i>Ictalurus catus</i>
Trajanje:	96 ur
Test:	LC50
Rezultat:	6010 mg/L

Izdelek/sestavina	vodikov peroksid v raztopini 35%
Vrste:	Riba, <i>Pimephales promelas</i>
Trajanje:	96 ur
Test:	LC50
Rezultat:	16,4 mg/L

Izdelek/sestavina	vodikov peroksid v raztopini 35%
Vrste:	Riba, <i>Leuciscus idus</i>
Trajanje:	72 ur
Test:	LC50

Rezultat: 35 mg/L

Izdelek/sestavina: vodikov peroksid v raztopini 35%
Vrste: Riba, Oncorhynchus mykiss
Trajanje: 7 dneh
Test: LC50
Rezultat: 38,5 mg/L

Izdelek/sestavina: vodikov peroksid v raztopini 35%
Vrste: Daphnia pulex
Trajanje: 48 ur
Test: EC50
Rezultat: 2,4 mg/L

Izdelek/sestavina: vodikov peroksid v raztopini 35%
Vrste: Daphnia magna
Trajanje: 24 ur
Test: EC50
Rezultat: 7,7 mg/L

Izdelek/sestavina: vodikov peroksid v raztopini 35%
Vrste: Skeletonema costatum
Trajanje: 72 ur
Test: EC50
Rezultat: 1,38 mg/L

Izdelek/sestavina: vodikov peroksid v raztopini 35%
Testni metoda: OECD 209
Vrste: Bakterije
Oddelek okolja: Naprava z aktivnim blatom
Trajanje: 30 minutes
Test: EC50
Rezultat: 466 mg/L

Izdelek/sestavina: vodikov peroksid v raztopini 35%
Testni metoda: OECD 209
Vrste: Bakterije
Oddelek okolja: Naprava z aktivnim blatom
Trajanje: 3 ur
Test: EC50
Rezultat: > 1.000 mg/L

Izdelek/sestavina: 1,2-benzizotiazol-3(2H)-on; 1,2-benzizotiazolin-3-on; 1,2-benzizotiazol-3(2H)-on
Vrste: Riba
Trajanje: 96 ur
Test: LC50
Rezultat: >0.1-1 mg/L

Izdelek/sestavina: 1,2-benzizotiazol-3(2H)-on; 1,2-benzizotiazolin-3-on; 1,2-benzizotiazol-3(2H)-on
Vrste: Rak
Trajanje: 48 ur
Test: EC50
Rezultat: >0.1-1 mg/L

Izdelek/sestavina: 1,2-benzizotiazol-3(2H)-on; 1,2-benzizotiazolin-3-on; 1,2-benzizotiazol-3(2H)-on
Vrste: Alge
Trajanje: 72 ur
Test: EC50
Rezultat: >0.1-1 mg/L

Na podlagi razpoložljivih podatkov merila za razvrstitev niso izpolnjena.

12.2. Obstočnost in razgradljivost

Izdelek/sestavina	2-(2-ethoxyethoxy)ethanol
Rezultat:	100 %
Zaključek:	Hiter biološki razkroj
Test:	OECD 301 B

Izdelek/sestavina	Alcohol, C13, bran., EO, sulfate Na~
Rezultat:	> 60 %
Zaključek:	Hiter biološki razkroj
Test:	OECD 301 B

Izdelek/sestavina	vodikov peroksid v raztopini 35%
Zaključek:	Hiter biološki razkroj

Izdelek/sestavina	1,2-benzizotiazol-3(2H)-on; 1,2-benzizotiazolin-3-on; 1,2-benzizotiazol-3(2H)-on
Rezultat:	90%
Zaključek:	Hiter biološki razkroj
Test:	OECD 302

Tenzid (i), ki je (so) prisoten (prisotni) v tem pripravku, izpolnjuje (jo) vse pravne predpise za biološko razgradnjo, kot je v Uredbi (EG) št. 648/2004 za detergente dolo č eno. Predloge, ki se nanašajo na to potrdilo, bodo odgovornim oblastem držav članic zagotovljene – na razpolago bodo na direktno zahtevo ali na zahtevo proizvajalca detergentov.

12.3. Zmožnost kopičenja v organizmih

Izdelek/sestavina	2-(2-ethoxyethoxy)ethanol
Zaključek:	Hiter biološki razkroj

Izdelek/sestavina	2-(2-ethoxyethoxy)ethanol
Zaključek:	-

Izdelek/sestavina	vodikov peroksid v raztopini 35%
LogKow:	-1,57
Zaključek:	-

Izdelek/sestavina	1,2-benzizotiazol-3(2H)-on; 1,2-benzizotiazolin-3-on; 1,2-benzizotiazol-3(2H)-on
BCF:	2
LogKow:	1.45
Zaključek:	Potencial za bioakumulacijo je nizek

12.4. Mobilnost v tleh

Podatki niso na voljo.

12.5. Rezultati ocene PBT in vPvB

Mešanica/izdelek ne vsebuje nobenih snovi, ki izpolnjujejo merila za razvrstitev kot PBT in/ali vPvB.

12.6. Lastnosti endokrinih motilcev

Ta mešanica/izdelek ne vsebuje nobene snovi, za katero se šteje, da ima lastnosti endokrinega motilca v zvezi z okoljem.

12.7. Drugi škodljivi učinki

Ni znano.

ODDELEK 13: ODSTRANJEVANJE

13.1. Metode ravnanja z odpadki

Izdelek je zajet v predpisih o nevarnih odpadkih. (*)

HP 4 - Dražilno (draženje kože in poškodba oči)

Uredba (EU) št. 1357/2014 z dne 18. decembra 2014 o odpadkih.

EWC koda:

20 01 30

čistila, ki niso zajeta v 20 01 29

Kontaminirana embalaža

Embalažo, ki vsebuje ostanke iz izdelka, je treba odstraniti na enak način, kot izdelek.

ODDELEK 14: PODATKI O PREVOZU

	14.1 ZN	14.2 Pravilno odpremno ime ZN	14.3 Razredi nevarnosti prevoza	14.4 PG*	14.5 Env**	Druge informacije:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Skupina embalaže

** Nevarnosti za okolje

Dodatne informacije

Ni naveden kot nevarno blago, v skladu s predpisi ADR, IATA in IMDG.

14.6. Posebni previdnostni ukrepi za uporabnika

Se ne uporablja.

14.7. Pomorski prevoz v razsutem stanju v skladu z instrumenti IMO

Podatki niso na voljo.

ODDELEK 15: ZAKONSKO PREDPISANI PODATKI

15.1. Predpisi/zakonodaja o zdravju, varnosti in okolju, specifični za snov ali zmes

Omejitve za uporabo:

Samo za poklicne uporabnike.

Zahteve za posebno izobraževanje:

Ni posebnih zahtev.

SEVESO - Kategorije nevarnih snovi / Imenovane nevarne snovi:

Se ne uporablja.

Uredba o predhodnih sestavin za eksplozive:

vodikov peroksid v raztopini 35% (Priloga I)

Označevanje vsebine v skladu z Uredbo o detergentih 648/2004:

>5% - <15%

· Neionske površinsko aktivne snovi

< 5%

· Anionske površinsko aktivne snovi

· Belila na osnovi kisika

· Parfumi

· Konzervansi (BENZISOTHIAZOLINONE)

Dodatne informacije:

Tenzid (i), ki je (so) prisoten (prisotni) v tem pripravku, izpolnjuje (jo) vse pravne predpise za biološko razgradnjo, kot je v Uredbi (EG) št. 648/2004 za detergente dolo č eno. Predloge, ki se nanašajo na to potrdilo, bodo odgovornim oblastem držav članic zagotovljene – na razpolago bodo na direktno zahtevo ali na zahtevo proizvajalca detergentov.

Viri:

Uredba (ES) št. 648/2004 Evropskega parlamenta in Sveta z dne 31. marca 2004 o detergentih.

Uredba (EU) št. 1357/2014 z dne 18. decembra 2014 o odpadkih.

Uredba (EU) 2019/1148 o predhodnih sestavin za eksplozive.

Uredba (ES) št. 1272/2008 Evropskega parlamenta in Sveta z dne 16. decembra 2008 o razvrščanju, označevanju in pakiranju snovi ter zmesi (CLP).

Uredba (ES) št. 1907/2006 Evropskega Parlamenta in Sveta z dne 18. decembra 2006 o registraciji, evalvaciji,

avtorizaciji in omejevanju kemikalij (REACH).

15.2. Ocena kemijske varnosti

Ne

ODDELEK 16: DRUGI PODATKI

Celotno besedilo o H-stavkih, kot je omenjeno v oddelek 3

H271, Lahko povzroči požar ali eksplozijo; močna oksidativna snov.

H302, Zdravju škodljivo pri zaužitju.

H314, Povzroča hude opekline kože in poškodbe oči.

H315, Povzroča draženje kože.

H318, Povzroča hude poškodbe oči.

H319, Povzroča hudo draženje oči.

H332, Zdravju škodljivo pri vdihavanju.

H335, Lahko povzroči draženje dihalnih poti.

H336, Lahko povzroči zaspanost ali omotico.

H412, Škodljivo za vodne organizme, z dolgotrajnimi učinki.

Okrajšave in akronimi

ADN = Evropski sporazum o mednarodnem prevozu nevarnih snovi po celinskih vodah/po Renu

ADR = Evropski sporazum o mednarodnem cestnem prevozu nevarnega blaga

ATE = ocena akutne strupenosti

BCF = biokoncentracijski faktor

CAS = Služba za izmenjavo kemijskih izvlečkov

CE = Evropska skladnost

CLP = Uredba (ES) št. 1272/2008 o razvrščanju, označevanju in pakiranju snovi ter zmesi

CSA = Ocena kemijske varnosti

CSR = Poročilo o kemijski varnosti

DNEL = Izpeljana raven brez učinka

EINECS = Evropski seznam kemičnih snovi, ki so na trgu

ES = Scenarij izpostavljenosti

EUH = CLP - specifičen stavek nevarnosti

EuPCS = Evropski sistem kategorizacije proizvodov

EWG = Evropski katalog odpadkov

GHS = Globalno usklajen sistem Združenih narodov za razvrščanje in označevanje kemikalij

GWP = Potencial globalnega segrevanja

HOS = Hlapna organska snov

IATA = Mednarodno združenje letalskih prevoznikov

IMDG = Mednarodni kodeks o prevozu nevarnega blaga po morju

LogPow = logaritem porazdelitvenega koeficienta oktanol/voda

MARPOL = Mednarodna konvencija o preprečevanju onesnaževanja morja z ladij, 1973, in njen Protokol iz leta 1978

MV = časovna povprečna

OECD = Organizacija za gospodarsko sodelovanje in razvoj

PBT = Obstoje, bioakumulativen in strupen

PNEC = predvidena koncentracija brez učinka

RID = Pravilnik o mednarodnem železniškem prevozu nevarnega blaga

RRN = Registracijska številka REACH

SCL = Posebne mejne koncentracije.

SVHC = snov, ki vzbuja veliko zaskrbljenost

STOT-RE = Specifična strupenost za ciljne organe - ponavljajoča se izpostavljenost

STOT-SE = Specifična strupenost za ciljne organe - enkratna izpostavljenost

UVCB = Pomeni snovi z neznano ali spremenljivo sestavo, kompleksne reakcijske produkte ali biološke materiale.

vPvB = zelo obstojen in zelo bioakumulativen

ZN = Združeni narodi

Dodatne informacije

Se ne uporablja.

Varnostnega lista je ovrednotil

Quality & Compliance

Drugo

Sprememba (v razmerju do zadnje bistvene spremembe (prva številka v različici SDS)) je označena z trikotnikom.

Podatki v tem varnostnega lista, veljajo samo za ta poseben izdelek (navedeno v oddelek 1) in niso nujno primerni za uporabo z drugimi kemikalijami/izdelki.

Priporočljivo je, da se izroči ta varnostnega lista dejanskemu uporabniku izdelka. Podatki v tem varnostnem listu se ne morejo uporabljati kot specifikacija izdelka.

Država-jezik: SI-sl

KARTA BEZPEČNOSTNÝCH ÚDAJOV

i.1 all-purpose cleaner FlexDose

ODDIEL 1: IDENTIFIKÁCIA LÁTKY/ZMESI A SPOLOČNOSTI/PODNIKU

1.1. Identifikátor produktu

▼ *Názov produktu:*

i.1 all-purpose cleaner FlexDose

1.2. Relevantné identifikované použitia látky alebo zmesi a použitia, ktoré sa neodporúčajú

Relevantné identifikované použitia látky alebo zmesi:

Čistiace a čistiace prostriedky (vrátane tých na báze rozpúšťadiel)
Len na odborné použitie.

Neodporúčané spôsoby použitia:

Žiadne známe.

1.3. Údaje o dodávateľovi karty bezpečnostných údajov

Spoločnosť a adresa:

Hygieniq B.V.
Lenteweg 15
7532 RV Enschede
Nederland
0534282860

E-mail:

info@hygieniq.com

Revízia:

27. 6. 2025

Verzia KBÚ:

2.0

Dátum predchádzajúceho vydania:

2. 6. 2025 (1.0)

1.4. Núdzové telefónne číslo

Použite vaše štátne +421 2 5477 4166 alebo miestne tiesňové číslo.
Pozri oddiel 4 "Opatrenia prvej pomoci".

ODDIEL 2: IDENTIFIKÁCIA NEBEZPEČNOSTI

2.1. Klasifikácia látky alebo zmesi

Nie je klasifikovaný podľa nariadenia (ES) č. 1272/2008 (CLP).

2.2. Prvky označovania

Výstražný/-é piktogram/-y:

Nerelevantné.

Výstražné slová:

Nerelevantné.

Výstražné upozornenie/-a:

Nerelevantné.

Bezpečnostné upozornenia:

Všeobecné:

-

Prevenia:

-

Odozva:

-

Uchovávanie:

-

Zneškodňovanie:

-

Identifikácia látok primárne zodpovedných za hlavné zdravotné riziká:

Neobsahuje žiadne látky, ktoré ste povinný nahlásiť

Ďalšie označovanie (etiketácia):

EUH210, Na požiadanie možno poskytnúť kartu bezpečnostných údajov.

Označovanie obsahu podľa nariadenia o detergentoch 648/2004 (platí pre obaly detergentov predávaných širokej verejnosti):

>5% - <15%

· Neionogénne povrchovo aktívne látky

< 5%

· Aniónové povrchovo aktívne látky

· Bieliace činidlá na báze kyseliny

· Parfumy

· Konzervačnej (BENZISOTHIAZOLINONE)

2.3. Iná nebezpečnosť

Ďalšie upozornenia:

Táto zmes/tento výrobok neobsahuje žiadne látky považované za také, ktoré by spĺňali kritériá na ich klasifikáciu ako PBT a/alebo vPvB.

Tento výrobok neobsahuje žiadne látky považované za endokrinné disruptory v súlade s kritériami stanovenými v delegovanom nariadení Komisie (EÚ) 2017/2100 alebo v nariadení Komisie (EÚ) 2023/707.

ODDIEL 3: ZLOŽENIE/INFORMÁCIE O ZLOŽKÁCH

3.1. Látky

Nerelevantné. Tento výrobok je zmes.

3.2. Zmesi

Výrobok/prísada	Identifikácia	% w/w	Klasifikácia	Názov komponentu
Alcohol, C13, bran., EO, sulfate Na~	Č. CAS: 150413-26-6 Č. EC: 688-316-0 REACH: Indexové č.:	1-3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 3, H412	
peroxid vodíka, roztok 35%	Č. CAS: 7722-84-1 Č. EC: 231-765-0 REACH: 01-2119485845-22-XXXX Indexové č.: 008-003-00-9	1-3%	Ox. Liq. 1, H271 Acute Tox. 4, H302 Skin Corr. 1A, H314 (SCL: 70,00 %) Skin Corr. 1B, H314 (SCL: 50,00 %) Skin Irrit. 2, H315 (SCL: 35,00 %) Eye Dam. 1, H318 (SCL: 8,00 %) Eye Irrit. 2, H319 (SCL: 5,00 %)	

			Acute Tox. 4, H332 STOT SE 3, H336 (SCL: 35,00 %)	
citroenzuurmonohydraat	Č. CAS: 5949-29-1 Č. EC: 611-842-9 REACH: 01-2119457026-42-XXXX Indexové č.:	<0.1%	Eye Irrit. 2, H319	
Disodium tin hexahydroxide	Č. CAS: 12027-70-2 Č. EC: 234-724-5 REACH: 01-2120770924-45-XXXX Indexové č.:	<0.05%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	[1]

Pozri plné znenie H-viet v oddiele 16. Limity v pracovnom prostredí sú uvedené v oddiele 8, ak sú k dispozícii.

Ďalšie informácie

[1] Európske obmedzenie pôsobenia v zamestnaní.

ODDIEL 4: OPATRENIA PRVEJ POMOCI

4.1. Opis opatrení prvej pomoci

Všeobecné informácie:

V prípade nehody: Vyhľadajte lekára alebo pohotovostnú službu - vezmite si so sebou etiketu alebo tento bezpečnostný list.

Kontaktujte lekára, ak máte pochybnosti o stave postihnutej osoby alebo ak príznaky pretrvávajú. Nikdy nedávajte osobe v bezvedomí vodu ani iné tekutiny.

Vdýchnutie:

Pri dýchacích ťažkostiach alebo podráždení dýchacích ciest: Premiestnite postihnutého na čerstvý vzduch a zostaňte pri ňom.

Styk s pokožkou:

V prípade podráždenia: produkt opláchnite. V prípade pretrvávajúceho podráždenia: Vyhľadajte lekársku pomoc.

Zasiahnutie očí:

Po zasiahnutí očí: Oči vyplachujte vodou (20 - 30 °C) minimálne po dobu 5 minút. Vyberte kontaktné šošovky. Zavolajte lekára.

Požitie:

Ak je postihnutý pri vedomí, vypláchnite mu ústa vodou a zostaňte pri ňom. Ak sa postihnutý necíti dobre, vyhľadajte ihneď lekára. Vezmite so sebou aj tento bezpečnostný list alebo etiketu produktu. Nevyvolávajte zvracanie, pokiaľ vám to neodporučí lekár. Držte hlavu smerom k zemi tak, aby žiadne zvratky nezostali vo vašich ústach alebo hrdle.

Popáleniny:

Nerelevantné.

4.2. Najdôležitejšie príznaky a účinky, akútne aj oneskorené

Žiadne známe.

4.3. Údaj o akejkoľvek potrebe okamžitej lekárskej starostlivosti a osobitného ošetrovania

Ošetrujte na základe symptómov.

Informácie pre zdravotníkov

Vezmite so sebou tento karty bezpečnostných údajov alebo etiketu materiálu.

ODDIEL 5: PROTIPOŽIARNE OPATRENIA

5.1. Hasiace prostriedky

Nerelevantné.

5.2. Osobitné ohrozenia vyplývajúce z látky alebo zo zmesi

V dôsledku požiaru vznikne hustý dym. Kontakt s katabolickými produktmi môže viesť k poškodeniu vášho zdravia. Uzavreté nádoby, ktoré sú vystavené požiaru, sa musia ochladiť vodou. Nedovoľte, aby hasiaca voda prenikla do kanalizácie a iných vodných tokov.

Ak je produkt vystavený vysokým teplotám, ako napr. v prípade požiaru, vznikajú nebezpečné katabolické látky. Ide o: Oxidy uhlíka (CO / CO₂)

5.3. Pokyny pre požiarnikov

Žiadne špecifické požiadavky

ODDIEL 6: OPATRENIA PRI NÁHODNOM UVOLNENÍ

6.1. Osobné bezpečnostné opatrenia, ochranné vybavenie a núdzové postupy

Zabezpečte primerané vetranie, hlavne v obmedzených priestoroch.
Kontaminované plochy môžu byť klzké.

6.2. Bezpečnostné opatrenia pre životné prostredie

Zabráňte vypúšťaniu do jazier, potokov, kanalizácií, atď.
Zabráňte prístupu nepovoláných osôb k úniku.

6.3. Metódy a materiál na zabránenie šíreniu a vyčistenie

Uniknutý materiál zachyťte a pozbierajte pomocou nehorľavého absorpčného materiálu, napr. piesku, zeminy, vermikulitu alebo kremeliny, a umiestnite do nádoby na likvidáciu v súlade s miestnymi predpismi.
Podľa možností čistenie vykonajte za použitia bežných čistiacich prostriedkov. Nepoužívajte rozpúšťadlá.

6.4. Odkaz na iné oddiely

Pozri oddiel 13 "Opatrenia pri zneškodňovaní" o nakladaní s odpadmi.
Pozri oddiel 8 "Kontroly expozície/osobná ochrana" o ochranných opatreniach.

ODDIEL 7: ZAOBCHÁDZANIE A SKLADOVANIE

7.1. Bezpečnostné opatrenia na bezpečné zaobchádzanie

Fajčenie, konzumácia potravín alebo tekutín a skladovanie tabaku, potravín alebo tekutín sú v pracovnej miestnosti zakázané.
Pozri oddiel "Kontroly expozície/osobná ochrana" o informáciách o osobnej ochrane.

7.2. Podmienky bezpečného skladovania vrátane akejkoľvek nekompatibility

Obaly, ktoré boli otvorené, starostlivo utesnite a uchovajte vo zvislej polohe, aby ste zabránili úniku.

Kompatibilita obalov:

Uchovávať iba v pôvodnom balení.

Podmienky skladovania:

Suché, chladné a dostatočne vetrané

Nekompatibilné materiály:

Silné kyseliny, silné zásady, silné oxidačné činidlá a silné katabolické činidlá.

7.3. Špecifické konečné použitie, resp. použitia

Tento produkt sa môže používať len v prípadoch popísaných v oddieli 1.2.

ODDIEL 8: KONTROLY EXPOZÍCIE/OSOBNÁ OCHRANA

8.1. Kontrolné parametre

peroxid vodíka, roztok 35%

Najvyššie prípustné expozičné limity (priemerný) (mg/m³): 1,4

Najvyššie prípustné expozičné limity (priemerný) (ppm): 1

Najvyššie prípustné expozičné limity (krátkodobý) (mg/m³): 2,8

Najvyššie prípustné expozičné limity (krátkodobý) (ppm): 2

NARIADENIE VLÁDY Slovenskej republiky z 10. mája 2006 o ochrane zamestnancov pred rizikami súvisiacimi s expozíciou chemickým faktorom pri práci. 355/2006 Z.z. (Zmena: 122/2024 Z.z.)

DNEL

1,2-benzizotiazol-3(2H)-ón; 1,2-benzizotiazolín-3-ón; 1,2-benzizotiazolín-3-ón

Doba:	Priebeh vystavenia:	DNEL:
Dlhodobý – systémové účinky – zamestnanci	Dermálne	966 µg/kg bw/day
Dlhodobý – systémové účinky – všeobecná populácia	Dermálne	0.345 mg/kg
Dlhodobý – systémové účinky – zamestnanci	Vdýchnutie	6.81 mg/m ³
Dlhodobý – systémové účinky – všeobecná populácia	Vdýchnutie	1.2 mg/m ³

Disodium tin hexahydroxide

Doba:	Priebeh vystavenia:	DNEL:
Dlhodobý – systémové účinky – zamestnanci	Dermálne	3.37 mg/kg bw/day
Dlhodobý – systémové účinky – všeobecná populácia	Dermálne	1.21 mg/kg bw/day
Dlhodobý – systémové účinky – všeobecná populácia	Orálne	1.21 mg/kg bw/day
Dlhodobý – systémové účinky – zamestnanci	Vdýchnutie	11.9 mg/m ³
Dlhodobý – systémové účinky – všeobecná populácia	Vdýchnutie	1.78 mg/m ³

peroxid vodíka, roztok 35%

Doba:	Priebeh vystavenia:	DNEL:
Dlhodobý – lokálne účinky – pracovníci	Vdýchnutie	1.4 mg/m ³
Dlhodobý – lokálne účinky – všeobecná populácia	Vdýchnutie	0.21 mg/m ³
Dlhodobý – lokálne účinky – všeobecná populácia	Vdýchnutie	210 µg/m ³
Krátkodobý – lokálne účinky – pracovníci	Vdýchnutie	3 mg/m ³
Krátkodobý – lokálne účinky – všeobecná populácia	Vdýchnutie	1.93 mg/m ³

PNEC

1,2-benzizotiazol-3(2H)-ón; 1,2-benzizotiazolín-3-ón; 1,2-benzizotiazolín-3-ón

Priebeh vystavenia:	Trvanie expozície:	PNEC:
Čistiareň splaškov		1.03 mg/L
Morská voda		403 ng/L
Občasné uvoľňovanie (morská voda)		110 ng/L
Občasné uvoľňovanie (sladká voda)		1.1 µg/L
Pôda		3 mg/kg
Sladká voda		4.03 µg/L
Sladkovodná usadenina		49.9 µg/kg
Usadenina v morskej vode		4.99 µg/kg

Disodium tin hexahydroxide

Priebeh vystavenia:	Trvanie expozície:	PNEC:
Čistiareň splaškov		10 mg/L
Morská voda		3.31 µg/L
Občasné uvoľňovanie (morská voda)		33.1 µg/L
Občasné uvoľňovanie (sladká voda)		331 µg/L
Sladká voda		33.1 µg/L
Sladkovodná usadenina		1.395 mg/kg

Usadenina v morskej vode	139.46 µg/kg

peroxid vodíka, roztok 35%

Priebeh vystavenia:	Trvanie expozície:	PNEC:
Čistiareň splaškov		4.66 mg/L
Čistiareň splaškov		4.66 mg/L
Morská voda		0,047 mg/L
Morská voda		12.6 µg/L
Občasné uvoľňovanie (sladká voda)		13.8 µg/L
Pôda		0,023 mg/kg
Pôda		2.3 µg/kg
Sladká voda		0,0126 mg/L
Sladká voda		12.6 µg/L
Sladkovodná usadenina		0,047 mg/kg
Sladkovodná usadenina		47 µg/kg
Usadenina v morskej vode		0,047 mg/L
Usadenina v morskej vode		47 µg/kg

8.2. Kontroly expozície

Zhoda s uvedenými hodnotami expozičných limitov by sa mala pravidelne kontrolovať.

Všeobecné odporúčania:

Fajčenie, konzumácia potravín alebo tekutín a skladovanie tabaku, potravín alebo tekutín sú v pracovnej miestnosti zakázané.

Scenáre vystavenia:

Pre tento produkt neboli implementované žiadne expozičné scenáre.

Expozičné limity:

Pre obchodníkov platia právne predpisy týkajúce sa pracovného prostredia o maximálnych koncentráciách pri vystavení. Pozrite si vyššie uvedené prahové hodnoty pracovnej hygieny.

Vhodné technické opatrenia:

Tvorba pár sa musí udržiavať na minimálnej úrovni a pod aktuálnymi limitnými hodnotami (pozri vyššie). Ak normálne prúdenie vzduchu v pracovnej miestnosti nie je dostatočné, odporúča sa inštalácia lokálneho odsávacieho systému. Zabezpečte, aby boli núdzové fontánky na umývanie očí a sprchy jasne označené. Počas používania výrobku dodržiavajte štandardné bezpečnostné opatrenia. Zabráňte vdýchnutiu pár.

Hygienické opatrenia:

Kedykoľvek si urobíte počas používania produktu prestávku, resp. ak ste ho prestali používať, musíte si umyť všetky vystavené časti tela. Osobitnú pozornosť venujte rukám, predlaktiam a tvári.

Opatrenia na zamedzenie vystavenia životného prostredia:

Žiadne špecifické požiadavky

Individuálne ochranné opatrenia, akými sú napr. osobné ochranné prostriedky

Všeobecne:

Používajte len ochranné vybavenie označené značkou CE.

Dýchacie zariadenia:

Typ	Trieda	Farba	Normy
Žiadne špeciálne požiadavky, ak sa používa podľa určenia.			

Ochrana kože:

Odporúčané	Typ/Kategória	Normy
Žiadne špeciálne	-	-

Odporúčané	Typ/Kategórie	Normy	
požiadavky, ak sa používa podľa určenia			

Ochrana rúk:

Pracovné pomery	Materiál	Hrúbka (mm)	Doba prieniku (min.)	Normy	
	Žiadne špeciálne požiadavky, ak sa používa podľa určenia	-	-	-	
V prípade dlhej expozície alebo vysokých koncentrácií	Bavlny / Prírodný kaučuk (latex)	-	> 120	EN374-2, EN16523-1, EN388	

Ochrana očí:

Pracovné pomery	Odporúčané	Normy	
	Žiadne špeciálne požiadavky, ak sa používa podľa určenia.	-	
V prípade dlhej expozície alebo vysokých koncentrácií	Používajte ochranné okuliare s postrannými štítmí.	EN166	

ODDIEL 9: FYZIKÁLNE A CHEMICKÉ VLASTNOSTI

9.1. Informácie o základných fyzikálnych a chemických vlastnostiach

Forma:

Kvapalina

Farba:

Bezfarebná

Zápach / Prahová hodnota zápachu (ppm):

Parfumový

pH:

ca. 4.8

Hustota (g/cm³):

1,02 (20 °C)

Kinematická viskozita:

K dispozícii nie sú žiadne údaje.

Vlastnosti častíc:

Neuplatňuje sa na kvapaliny.

Fázové zmeny

Teplota topenia/tuhnutia (°C):

K dispozícii nie sú žiadne údaje.

Teplota/rozmedzie mäknutia (°C):

Neuplatňuje sa na kvapaliny.

Bod varu (°C):

K dispozícii nie sú žiadne údaje.

Tlak pary:

K dispozícii nie sú žiadne údaje.

Relatívna hustota pár:

K dispozícii nie sú žiadne údaje.

Teplota rozkladu (°C):

K dispozícii nie sú žiadne údaje.

Údaje o nebezpečenstve požiaru a výbuchu

Bod vzplanutia (°C):

K dispozícii nie sú žiadne údaje.

Horľavosť (°C):

K dispozícii nie sú žiadne údaje.

Teplota samovznietenia (°C):

K dispozícii nie sú žiadne údaje.

Medze výbušnosti (% v/v):

K dispozícii nie sú žiadne údaje.

Rozpustnosť

Rozpustnosť vo vode:

Úplne rozpustný

Rozdeľovací koeficient (n-oktanol/voda) (LogKow):

K dispozícii nie sú žiadne údaje.

Rozpustnosť v tuku (g/L):

K dispozícii nie sú žiadne údaje.

9.2. Iné informácie

D'alšie fyzikálne a chemické parametre:

K dispozícii nie sú žiadne údaje.

Oxidačné vlastnosti:

K dispozícii nie sú žiadne údaje.

ODDIEL 10: STABILITA A REAKTIVITA

10.1. Reaktivita

K dispozícii nie sú žiadne údaje.

10.2. Chemická stabilita

Produkt je stabilný za podmienok uvedených v oddieli "Zaobchádzanie a skladovanie".

10.3. Možnosť nebezpečných reakcií

Žiadne známe.

10.4. Podmienky, ktorým sa treba vyhnúť

Žiadne známe.

10.5. Nekompatibilné materiály

Silné kyseliny, silné zásady, silné oxidačné činidlá a silné katabolické činidlá.

10.6. Nebezpečné produkty rozkladu

Za normálnych podmienok skladovania a používania by nemali vznikať nebezpečné produkty rozkladu.

ODDIEL 11: TOXIKOLOGICKÉ INFORMÁCIE

11.1. Informácie o triedach nebezpečnosti vymedzených v nariadení (ES) č. 1272/2008

Akútna toxicita

Výrobok/prísada	peroxid vodíka, roztok 35%
Testované živočíchy:	Potkan
Priebeh vystavenia:	Orálne
Skúška:	LD50
Výsledok:	1.193 - 1.270 mg/L

Výrobok/prísada	peroxid vodíka, roztok 35%
Testované živočíchy:	Králik
Priebeh vystavenia:	Dermálne
Skúška:	LD50
Výsledok:	>2.000 (35% oplossing) mg/kg

Výrobok/prísada	1,2-benzizotiazol-3(2H)-ón; 1,2-benzizotiazolín-3-ón;1,2-benzizotiazolín-3-ón
Testované živočíchy:	Potkan
Priebeh vystavenia:	Orálne
Skúška:	LD50
Výsledok:	500 mg/kg

Na základe dostupných údajov nie sú kritériá klasifikácie splnené.

Poleptanie/podráždenie kože

Výrobok/prísada	peroxid vodíka, roztok 35%
Výsledok:	Pozorované nepriaznivé účinky (Dráždivý)

Výrobok/prísada	1,2-benzizotiazol-3(2H)-ón; 1,2-benzizotiazolín-3-ón;1,2-benzizotiazolín-3-ón
Testovacia metóda:	OECD 404
Výsledok:	Pozorované nepriaznivé účinky (Dráždivý)

Na základe dostupných údajov nie sú kritériá klasifikácie splnené.

Vážne poškodenie/podráždenie očí

Výrobok/prísada	peroxid vodíka, roztok 35%
Výsledok:	Pozorované nepriaznivé účinky (Spôsobuje vážne poškodenie očí)

Výrobok/prísada	1,2-benzizotiazol-3(2H)-ón; 1,2-benzizotiazolín-3-ón;1,2-benzizotiazolín-3-ón
Testovacia metóda:	OECD 405
Výsledok:	Pozorované nepriaznivé účinky (Spôsobuje vážne poškodenie očí)

Na základe dostupných údajov nie sú kritériá klasifikácie splnené.

Respiračná senzibilizácia

Výrobok/prísada	peroxid vodíka, roztok 35%
Výsledok:	Nepozorované žiadne nepriaznivé účinky (nesenzibilizujúci)

Na základe dostupných údajov nie sú kritériá klasifikácie splnené.

Kožná senzibilizácia

Výrobok/prísada	1,2-benzizotiazol-3(2H)-ón; 1,2-benzizotiazolín-3-ón;1,2-benzizotiazolín-3-ón
Testovacia metóda:	OECD 429
Testované živočíchy:	Myš
Výsledok:	Pozorované nepriaznivé účinky (senzibilizujúci)

Výrobok/prísada	1,2-benzizotiazol-3(2H)-ón; 1,2-benzizotiazolín-3-ón;1,2-benzizotiazolín-3-ón
Testovacia metóda:	OECD 406
Testované živočíchy:	Morča
Výsledok:	Pozorované nepriaznivé účinky (senzibilizujúci)

Na základe dostupných údajov nie sú kritériá klasifikácie splnené.

Mutagenita zárodočných buniek

Na základe dostupných údajov nie sú kritériá klasifikácie splnené.

Karcinogenita

Výrobok/prísada	peroxid vodíka, roztok 35%
Záver:	Nepozorované žiadne nepriaznivé účinky

Na základe dostupných údajov nie sú kritériá klasifikácie splnené.

Reprodukčná toxicita

Výrobok/prísada	peroxid vodíka, roztok 35%
Záver:	Nepozorované žiadne nepriaznivé účinky

Na základe dostupných údajov nie sú kritériá klasifikácie splnené.

TSCO (Toxicita pre špecifický cieľový orgán) - jednorazové vystavenie

Na základe dostupných údajov nie sú kritériá klasifikácie splnené.

TSCO (Toxicita pre špecifický cieľový orgán) - opakované vystavenie

Na základe dostupných údajov nie sú kritériá klasifikácie splnené.

Nebezpečenstvo pri vdýchnutí

Výrobok/prísada peroxid vodíka, roztok 35%

Na základe dostupných údajov nie sú kritériá klasifikácie splnené.

11.2. Informácie o inej nebezpečnosti

Dlhodobé účinky

Žiadne známe.

Vlastnosti endokrinných disruptorov (rozvracačov)

Táto zmes/výrobok neobsahuje žiadne látky, ktoré sa považujú za látky narúšajúce hormonálny systém vo vzťahu k zdraviu.

Iné informácie

peroxid vodíka, roztok 35%: Látka bola klasifikovaná podľa IARC ako skupina 3.

ODDIEL 12: EKOLOGICKÉ INFORMÁCIE

12.1. Toxicita

Výrobok/prísada	peroxid vodíka, roztok 35%
Testované živočíchy:	Ryby, Pimephales promelas
Doba:	96 hodín
Skúška:	LC50
Výsledok:	16,4 mg/L

Výrobok/prísada	peroxid vodíka, roztok 35%
Testované živočíchy:	Ryby, Leuciscus idus
Doba:	72 hodín
Skúška:	LC50
Výsledok:	35 mg/L

Výrobok/prísada	peroxid vodíka, roztok 35%
Testované živočíchy:	Ryby, Oncorhynchus mykiss
Doba:	7 dní
Skúška:	LC50
Výsledok:	38,5 mg/L

Výrobok/prísada	peroxid vodíka, roztok 35%
Testované živočíchy:	Daphnia pulex
Doba:	48 hodín
Skúška:	EC50
Výsledok:	2,4 mg/L

Výrobok/prísada	peroxid vodíka, roztok 35%
Testované živočíchy:	Daphnia magna
Doba:	24 hodín
Skúška:	EC50
Výsledok:	7,7 mg/L

Výrobok/prísada	peroxid vodíka, roztok 35%
Testované živočíchy:	Skeletonema costatum
Doba:	72 hodín
Skúška:	EC50
Výsledok:	1,38 mg/L

Výrobok/prísada	peroxid vodíka, roztok 35%
Testovacia metóda:	OECD 209

Testované živočíchy:	Baktérie
Zložka životného prostredia :	Zariadenie na úpravu aktivovaných kalov
Doba:	30 minutes
Skúška:	EC50
Výsledok:	466 mg/L

Výrobok/prísada	peroxid vodíka, roztok 35%
Testovacia metóda:	OECD 209
Testované živočíchy:	Baktérie
Zložka životného prostredia :	Zariadenie na úpravu aktivovaných kalov
Doba:	3 hodín
Skúška:	EC50
Výsledok:	> 1.000 mg/L

Výrobok/prísada	1,2-benzizotiazol-3(2H)-ón; 1,2-benzizotiazolín-3-ón;1,2-benzizotiazolín-3-ón
Testované živočíchy:	Ryby
Doba:	96 hodín
Skúška:	LC50
Výsledok:	>0.1-1 mg/L

Výrobok/prísada	1,2-benzizotiazol-3(2H)-ón; 1,2-benzizotiazolín-3-ón;1,2-benzizotiazolín-3-ón
Testované živočíchy:	Kôrovce
Doba:	48 hodín
Skúška:	EC50
Výsledok:	>0.1-1 mg/L

Výrobok/prísada	1,2-benzizotiazol-3(2H)-ón; 1,2-benzizotiazolín-3-ón;1,2-benzizotiazolín-3-ón
Testované živočíchy:	Riasy
Doba:	72 hodín
Skúška:	EC50
Výsledok:	>0.1-1 mg/L

Na základe dostupných údajov nie sú kritériá klasifikácie splnené.

12.2. Perzistencia a degradovateľnosť

Výrobok/prísada	Alcohol, C13, bran., EO, sulfate Na~
Výsledok:	> 60 %
Záver:	Ľahká biodegradovateľnosť
Skúška:	OECD 301 B

Výrobok/prísada	peroxid vodíka, roztok 35%
Záver:	Ľahká biodegradovateľnosť

Výrobok/prísada	1,2-benzizotiazol-3(2H)-ón; 1,2-benzizotiazolín-3-ón;1,2-benzizotiazolín-3-ón
Výsledok:	90%
Záver:	Ľahká biodegradovateľnosť
Skúška:	OECD 302

Povrchovo aktívna(e) látka(y) obsiahnutá(é) v tomto prípravku je (sú) v súlade s kritériami biodegradability pod I a Smernice (EÚ) No.648/2004. Údaje potvrdzujúce toto prehlásenie sú k dispozícii kompetentným inštitúciám členských štátov Únie na ich priamu žiadosť, alebo na žiadosť výrobcu detergentu

12.3. Bioakumulačný potenciál

Výrobok/prísada	peroxid vodíka, roztok 35%
LogKow:	-1,57
Záver:	-

Výrobok/prísada	1,2-benzizotiazol-3(2H)-ón; 1,2-benzizotiazolín-3-ón;1,2-benzizotiazolín-3-ón
BCF:	2
LogKow:	1.45

Záver: Potenciál bioakumulácie je nízky

12.4. Mobilita v pôde

K dispozícii nie sú žiadne údaje.

12.5. Výsledky posúdenia PBT a vPvB

Táto zmes/tento výrobok neobsahuje žiadne látky považované za také, ktoré by spĺňali kritériá na ich klasifikáciu ako PBT a/alebo vPvB.

12.6. Vlastnosti endokrinných disruptorov (rozvracačov)

Táto zmes/výrobok neobsahuje žiadne látky, ktoré sa považujú za látky narúšajúce endokrinný systém vo vzťahu k životnému prostrediu.

12.7. Iné nepriaznivé účinky

Žiadne známe.

ODDIEL 13: OPATRENIA PRI ZNEŠKODŇOVANÍ

13.1. Metódy spracovania odpadu

Na tento produkt sa vzťahujú predpisy o nebezpečných odpadoch. (*)

HP 4 - Dráždivý (spôsobujúci podráždenie kože a poškodenie oka)

Nariadenie Komisie (EÚ) č. 1357/2014 z 18. decembra 2014 o odpade.

Kód EWC:

20 01 30

Iné detergenty než uvedené v 20 01 29

Balenie kontaminovaného materiálu

Balenie, ktoré obsahuje zvyšky produktu, sa musí zlikvidovať rovnakým spôsobom ako produkt.

ODDIEL 14: INFORMÁCIE O DOPRAVE

	14.1 OSN	14.2 Správne expedičné označenie OSN	14.3 Trieda, resp. triedy nebezpečnosti pre dopravu	14.4 PG*	14.5. Env**	Ďalšie informácie:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Obalová skupina

** Nebezpečnosť pre životné prostredie

Ďalšie informácie

Nie je uvedený ako nebezpečný tovar podľa predpisov ADR, IATA a IMDG.

14.6. Osobitné bezpečnostné opatrenia pre užívateľa

Nerelevantné.

14.7. Náморná preprava hromadného nákladu podľa nástrojov IMO

K dispozícii nie sú žiadne údaje.

ODDIEL 15: REGULAČNÉ INFORMÁCIE

15.1. Nariadenia/právne predpisy špecifické pre látku alebo zmes v oblasti bezpečnosti, zdravia a životného prostredia

Obmedzenia použitia:

Len na odborné použitie.

Požiadavky na špecifické vzdelávanie:

Žiadne špecifické požiadavky

SEVESO - Kategórie nebezpečných látok / Menované nebezpečné látky:
Nerelevantné.

Nariadenie o prekursorov výbušnín:
peroxid vodíka, roztok 35% (Príloha I)

Označovanie obsahu podľa nariadenia o detergentoch 648/2004:

- >5% - <15%
- Neionogénne povrchovo aktívne látky
- < 5%
- Aniónové povrchovo aktívne látky
- Bieliace činidlá na báze kyseliny
- Parfumy
- Konzervačnej (BENZISOTHIAZOLINONE)

Ďalšie informácie:

Povrchovo aktívna(e) látka(y) obsiahnutá(é) v tomto prípravku je (sú) v súlade s kritériami biodegradability podľa Smernice (EÚ) No.648/2004. Údaje potvrdzujúce toto prehlásenie sú k dispozícii kompetentným inštitúciám členských štátov Únie na ich priamu žiadosť, alebo na žiadosť výrobcu detergentu

Zdroje:

Nariadenie Európskeho parlamentu a Rady (ES) č. 648/2004 z 31. marca 2004 o detergentoch.
Nariadenie Komisie (EÚ) č. 1357/2014 z 18. decembra 2014 o odpade.
Nariadenie (EÚ) 2019/1148 o prekursorov výbušnín.
Nariadenie Európskeho parlamentu a Rady (ES) č. 1272/2008 z 16. decembra 2008 o klasifikácii, označovaní a balení látok a zmesí (CLP).
Nariadenie Európskeho parlamentu a Rady (ES) č. 1907/2006 z 18. decembra 2006 o registrácii, hodnotení, autorizácii a obmedzovaní chemických látok (REACH).

15.2. Hodnotenie chemickej bezpečnosti

Nie

ODDIEL 16: INÉ INFORMÁCIE

Plné znenia H-viet, ako sú uvedené v oddieli 3

H271, Môže spôsobiť požiar alebo výbuch; silné oxidačné činidlo.
H302, Škodlivý po požití.
H314, Spôsobuje vážne poleptanie kože a poškodenie očí.
H315, Dráždi kožu.
H318, Spôsobuje vážne poškodenie očí.
H319, Spôsobuje vážne podráždenie očí.
H332, Škodlivý pri vdýchnutí.
H335, Môže spôsobiť podráždenie dýchacích ciest.
H336, Môže spôsobiť ospalosť alebo závraty.
H412, Škodlivý pre vodné organizmy, s dlhodobými účinkami.

Skratky a akronymy

ADN = Európske opatrenia o medzinárodnej vnútrozemskej vodnej preprave nebezpečných vecí
ADR = Európska dohoda o medzinárodnej cestnej preprave nebezpečných vecí
ATE = Odhad akútnej toxicity
BCF = Biokoncentračný faktor
CAS = Služba chemických konspektov
CE = Európska zhoda
CLP = klasifikácia, označenie a balenie nariadenie (ES) 1272/2008
CSA = Hodnotenie chemickej bezpečnosti
CSR = Správa o chemickej bezpečnosti
DNEL = Odvodená hladina, pri ktorej nedochádza k žiadnemu účinku
EINECS = Európsky zoznam existujúcich komerčných chemických látok ES = Scenáre expozície
EUH vyhlásenie = CLP-špecifické vyhlásenie o nebezpečnosti
EuPCS = Európsky systém kategorizácie výrobkov
EWC = Európsky katalóg odpadov
GHS = Globálny harmonizovaný systém klasifikácie a označovania

GWP = Potenciál globálneho otepľovania
IATA = Medzinárodná asociácia leteckej prepravy
IBC = Stredne veľká nádoba na voľne ložené látky
IMDG = Medzinárodný námorný zákon o nebezpečných veciach
LogPow = logaritmus koeficientu pomeru oktanol / voda
MARPOL = Medzinárodný dohovor na prevenciu znečistenia z lodí, 1973, modifikovaný protokolom z roku 1978.
("Marpol" = námorné znečistenie)
OECD = Organizácia pre hospodársku spoluprácu a rozvoj
PBT = Perzistentný, bioakumulovateľný a toxický
PNEC = Predpokladaná koncentrácia, pri ktorej nedochádza k žiadnemu účinku
OSN = Organizácia Spojených Národov
RID = Poriadok pre medzinárodnú železničnú prepravu nebezpečného tovaru
RRN = Registračné číslo REACH
SCL = špecifický koncentračný limit.
SVHC = Látky vzbudzujúce veľmi veľké obavy
STOT - RE = Toxicita pre špecifický cieľový orgán - opakovaná expozícia
STOT-SE = Toxicita pre špecifický cieľový orgán - jednorázová expozícia
TWA = časom vážená priemerná
UVCB = Znamenajú látky neznámeho alebo variabilného zloženia, produkty komplexných reakcií alebo biologické materiály.
VOC = Prchavé organické látky
vPvB = Veľmi perzistentný a veľmi akumulovateľný

Ďalšie informácie

Nerelevantné.

Táto karta bezpečnostných údajov bola potvrdená

Quality & Compliance

Iné

Zmena (v pomere k poslednej zásadnej zmene (prvá šifra vo verzii karty bezpečnostných údajov)) je označená trojuholníkom.

Informácie uvedené v tomto karte bezpečnostných údajov platia iba pre tento konkrétny produkt (uvedené v oddiel 1), a nemusia byť preto správne pri použití tohto produktu s inými chemickými látkami/produktmi.

Odporúča sa odovzdať tento karte bezpečnostných údajov skutočnému užívateľovi produktu. Informácie v tomto bezpečnostnom liste sa nemôžu použiť ako špecifikácia produktu.

Krajina-jazyk: SK-sk

MALZEME GÜVENLİK BİLGİ FORMU

i.1 all-purpose cleaner FlexDose

BÖLÜM 1: MADDE/KARISIM VE ŞİRKET/YÜKLENİCİNİN TANIMLANMASI

1.1. Madde /Karışımın kimliği

▼ Ticari adı:

i.1 all-purpose cleaner FlexDose

1.2. Madde veya karışımın belirlenmiş kullanımları ve tavsiye edilmeyen kullanımları

Madde veya karışımın ilgili belirlenmiş kullanımları:

Deterjanlar ve temizlik maddeleri (solvent bazlı olanlar dahil)
Sadece profesyonel kullanıcılar içindir.

Kullanılması önerilmez:

Hiçbiri bilinmiyor.

1.3. Güvenlik bilgi formu tedarikçisinin bilgileri

Şirket ve adres:

Hygeniq B.V.
Postbus 618
7500 AP Enschede
The Netherlands
+31 53 4282860
+31 53 5393865
www.hygeniq.com

E-posta:

info@hygeniq.com

SDS tarihi:

27.06.2025

SDS Versiyonu:

2.0

Önceki Yayın Tarihi:

2.06.2025 (1.0)

1.4. Acil durum telefon numarası

114

Ulusal veya yerel acil durum numarasını kullanın
Bkz bölüm 4 "İlk yardım önlemleri".

BÖLÜM 2: TEHLİKE TANIMLARI

2.1. Madde ve karışımın sınıflandırılması

Sınıflandırması, Etiketlenmesi ve Ambalajlanması (SEA) 11 Aralık 2013 Direktifi ve sayılı Resmi Gazete'de 28 848 yayımlanan göre Sınıflandırılmamış.

2.2. Etiket Unsurları

Tehlike belirten resimli yazı(lar):

Uygulanamaz.

uyarı ifadesi:

Uygulanamaz.

Tehlike beyan(lar)ı:

Uygulanamaz.

Güvenlik beyan(lar)ı:

Genel:

-

Önleyici:

-

Yanıt:

-

Depolama:

-

Atık:

-

Büyük sağlık tehditlerinden birincil olarak sorumlu maddelerin kimliği:

Rapor etme zorunluluğu bulunan hiç bir madde içermez

Ek Etiketleme:

EUH210, Talep halinde güvenlik bilgi formu sağlanabilir.

DETERJANLAR HAKKINDA YÖNETMELİK göre içeriğin etiketlenmesi (genel halka satılan deterjanların ambalajlanması için geçerlidir):

>5% - <15%

· İyonik olmayan sürfaktanlar

< 5%

· Anyonik sürfaktanlar

· Oksijen bazlı beyazlatıcı maddeler

· Parfümler

· Koruyucu (BENZISOTHIAZOLINONE)

2.3. Diğer zararlar

Ek uyarılar:

Bu karışım/ürün, PBT ve/veya vPvB sınıfı kapsamında değerlendirilen herhangi bir ürün içermez.

Bu ürün, Komisyon Delegasyonu Yönetmeliği (AB) 2017/2100 veya Komisyon Yönetmeliği (AB) 2023/707'te belirtilen kriterlere uygun olarak endokrin bozucu olarak kabul edilen herhangi bir madde içermez.

BÖLÜM 3: BİLESİMİ/İÇİNDEKİLER HAKKINDA BİLGİ

3.1. Maddeler

Uygulanamaz. Bu ürün bir karışımdır.

3.2. Karışımlar

Ürün/içerik	Tanımlayıcılar	% w/w	Sınıflandırma	Notlar
Alcohol, C13, bran., EO, sulfate Na~	CAS No.: 150413-26-6 EC No.: 688-316-0 REACH: Liste No.:	1-3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 3, H412	
hydrogen peroxide	CAS No.: 7722-84-1 EC No.: 231-765-0 REACH: 01-2119485845-22-XXXX Liste No.: 008-003-00-9	1-3%	Ox. Liq. 1, H271 Acute Tox. 4, H302 Skin Corr. 1A, H314 (SCL: 70,00 %) Skin Corr. 1B, H314 (SCL: 50,00 %) Skin Irrit. 2, H315 (SCL: 35,00 %) Eye Dam. 1, H318 (SCL: 8,00 %) Eye Irrit. 2, H319 (SCL: 5,00 %)	

			Acute Tox. 4, H332 STOT SE 3, H336 (SCL: 35,00 %)	
citroenzuurmonohydraat	CAS No.: 5949-29-1 EC No.: 611-842-9 REACH: 01-2119457026-42-XXXX Liste No.:	<0.1%	Eye Irrit. 2, H319	
Disodium tin hexahydroxide	CAS No.: 12027-70-2 EC No.: 234-724-5 REACH: 01-2120770924-45-XXXX Liste No.:	<0.05%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	[1]

Bölüm 16'daki H terimlerinin tam metnine bakın. Mevcut ise mesleki sınırlar bölüm 8'de listelenmiştir.

Diger bilgiler

[1] Avrupa maruz kalma limiti.

BÖLÜM 4: İLK YARDIM ÖNLEMLERİ

4.1. İlk yardım önlemlerinin açıklaması

Genel bilgiler:

Kaza durumunda: Doktor veya acil servise başvurun, etiketi veya bu güvenlik veri sayfasını yanınıza alın.
Yaralanan kişinin durumundan emin değilseniz veya belirtiler devam ediyorsa doktora başvurun. Bilinç kaybına uğramış bir kişiye su veya benzeri şeyler vermeyin.

Solunum:

Solunum güçlüğü veya solunum yollarının tahrişi üzerine: Kişiyi temiz havaya çıkarın ve yalnız bırakmayın.

Cilt ile temas:

Tahriş durumunda: ürünü yıkayınız. Tahrişin devam etmesi durumunda: Doktora başvurunuz.

Göz ile temas:

Gözle teması halinde: Gözlerinizi en az 5 dakika boyunca suyla (20-30 °C) yıkayın. Kontakt lenslerinizi çıkarın.
Doktor çağırın

Yutma:

Kişinin bilinci yerindeyse ağzını suyla çalkalayın ve yanında kalın. Eğer kişi kendini iyi hissetmiyorsa doktora başvurun ve bu güvenlik veri sayfasını veya ürün etiketini yanınıza alın. Doktor tarafından tavsiye edilmediği takdirde kusturmaya çalışmayın. Kusmuğun ağız ve geniz bölgesine gitmemesi için yüzünü yere dönük tutun.

Yanıklar:

Uygulanamaz.

4.2. Akut ve sonradan görülen önemli belirtiler ve etkiler

Hiçbiri bilinmiyor.

4.3. Tıbbi müdahale ve özel tedavi gereği için ilk işaretler

Semptomatik olarak tedavi edin.

Doktorlar için bilgiler

Bu güvenlik belgesini veya malzemenin etiketini yanınıza alın.

BÖLÜM 5: YANGIN ÖNLEMLERİ

5.1. Yangın söndürücüler

Uygulanamaz.

5.2. Madde veya karışımdan kaynaklanan özel zararlar

Yangın yoğun bir duman oluşturacaktır. Katabolik ürünlere maruz kalmak sağlığınız için zararlı olabilir. Yangına maruz

kalan kapalı konteynerler su ile soğutulmalıdır. Yangın söndürme suyunun kanalizasyona veya benzeri su kanallarına akmasını engelleyin.

Eğer ürün bir yangın durumunda olduğu gibi yüksek sıcaklıklara maruz kalırsa, tehlikeli katabolik maddeler yayılır.

Bunlar:

Karbon oksitler (CO / CO₂)

5.3. Yangın söndürme ekipleri için tavsiyeler

Belirli gereksinimler yoktur.

BÖLÜM 6: KAZARA SALINIMA KARSI ÖNLEMLER

6.1. Kişisel önlemler, koruyucu donanım ve acil durum prosedürleri

Kirli alanlar kaygan olabilir.

6.2. Çevresel önlemler

Göl, akarsu, kanalizasyon vb.'ne akması engellenmelidir.

Yetkisiz kişileri döküntüden uzak tutun

6.3. Muhafaza etme ve temizleme için yöntemler ve materyaller

Dökülen maddeyi, kum, toprak, vermikülit, diatomlu toprak gibi yanmayan emici maddelerle etrafını çevirip toplayın ve yerel mevzuata uygun olarak atmak üzere bir konteynere yerleştirin.

Temizlik mümkün olduğunca normal temizlik malzemeleri ile yapılmalıdır. Çözücülerden kaçınılmalıdır.

6.4. Diğer bölümlere atıflar

Atıklarla ilgili olarak 13 " Atıkların atılması ile ilgili hususlar" bölümüne göz atın.

Koruyucu önlemler için 8 "Maruz kalma kontrolleri/kişisel koruma" bölümüne bakın.

BÖLÜM 7: TASIMA VE DEPOLAMA

7.1. Güvenli elleçleme için önlemler

Çalışma alanları içerisinde sigara içilmesi, yiyecek veya içecek tüketimi, tütün, yiyecek veya içeceklerin depolanmasına izin verilmez.

Kişisel koruma için "Maruz kalma kontrolleri/kişisel koruma" bölümüne bakın.

7.2. Uyuşmazlıkları da içeren güvenli depolama için koşullar

Açılan konteynerler dikkatlice yeniden mühürlenmeli ve sızıntıyı engellemek için dik konumda tutulmalıdır.

Ambalaj uygunlukları:

Sadece orijinal paketi içerisinde tutun.

Depolama koşulları:

Kuru, serin ve iyi havalandırılmış

Kaçınılması gereken maddeler:

Güçlü asitler, güçlü bazlar, güçlü paslandırıcı maddeler ve güçlü katabolik maddeler.

7.3. Belirli son kullanımlar

Bu ürün sadece bölüm 1.2'de belirtilen uygulamalar için kullanılmalıdır.

BÖLÜM 8: MARUZ KALMA KONTROLLERİ/KİSİSEL KORUMA

8.1. Kontrol parametreleri

Ürün, çalışma alanı maruz kalma limitli madde olarak Türkiye listesinde bulunan maddeler içermez.

DNEL

1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one

Süresi:	Maruz kalma şekli:	DNEL:
Uzun Vade - Sistemik Etkiler - Çalışanlar	Cilt yolu	966 µg/kg/gün
Uzun Vade - sistemik etkiler - genel nüfus	Cilt yolu	0.345 mg/kg
Uzun Vade - Sistemik Etkiler - Çalışanlar	Solunum yolu	6.81 mg/m ³

Uzun Vade - sistemik etkiler - genel nüfus	Solunum yolu	1.2 mg/m ³

Disodium tin hexahydroxide

Süresi:	Maruz kalma şekli:	DNEL:
Uzun Vade - sistemik etkiler - genel nüfus	Ağız yolu	1.21 mg/kg/gün
Uzun Vade - Sistemik Etkiler - Çalışanlar	Cilt yolu	3.37 mg/kg/gün
Uzun Vade - sistemik etkiler - genel nüfus	Cilt yolu	1.21 mg/kg/gün
Uzun Vade - Sistemik Etkiler - Çalışanlar	Solunum yolu	11.9 mg/m ³
Uzun Vade - sistemik etkiler - genel nüfus	Solunum yolu	1.78 mg/m ³

hydrogen peroxide

Süresi:	Maruz kalma şekli:	DNEL:
Kısa Vade - Lokal etkiler - Çalışanlar	Solunum yolu	3 mg/m ³
Kısa vade - lokal etkiler - Genel nüfus	Solunum yolu	1.93 mg/m ³
Uzun Vade - Lokal Etkiler - Çalışanlar	Solunum yolu	1.4 mg/m ³
Uzun vade - lokal etkiler - Genel nüfus	Solunum yolu	0,21 mg/m ³
Uzun vade - lokal etkiler - Genel nüfus	Solunum yolu	210 µg/m ³

PNEC

1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one

Maruz kalma şekli:	Maruz Kalma Süresi:	PNEC:
Aralıklı serbest bırakma (deniz suyu)		110 ng/L
Aralıklı serbest bırakma (temiz su)		1.1 µg/L
Atık su Arıtma Tesisi		1.03 mg/L
Deniz suyu		403 ng/L
deniz suyu tortusu		4.99 µg/kg
Temiz su		4.03 µg/L
Temiz su tortusu		49.9 µg/kg
toprak		3 mg/kg

Disodium tin hexahydroxide

Maruz kalma şekli:	Maruz Kalma Süresi:	PNEC:
Aralıklı serbest bırakma (deniz suyu)		33.1 µg/L
Aralıklı serbest bırakma (temiz su)		331 µg/L
Atık su Arıtma Tesisi		10 mg/L
Deniz suyu		3.31 µg/L
deniz suyu tortusu		139.46 µg/kg
Temiz su		33.1 µg/L
Temiz su tortusu		1.395 mg/kg

hydrogen peroxide

Maruz kalma şekli:	Maruz Kalma Süresi:	PNEC:
Aralıklı serbest bırakma (temiz su)		13.8 µg/L
Atık su Arıtma Tesisi		4.66 mg/L
Atık su Arıtma Tesisi		4.66 mg/L
Deniz suyu		0,047 mg/L
Deniz suyu		12.6 µg/L

deniz suyu tortusu		0,047 mg/L
deniz suyu tortusu		47 µg/kg
Temiz su		0,0126 mg/L
Temiz su		12.6 µg/L
Temiz su tortusu		0,047 mg/kg
Temiz su tortusu		47 µg/kg
toprak		0,023 mg/kg
toprak		2.3 µg/kg

8.2. Maruz kalma kontrolleri

Gereksiz maruziyeti önlemek için genel kontrol işlemi gerçekleştirin.

Genel öneriler:

Çalışma alanları içerisinde sigara içilmesi, yiyecek veya içecek tüketimi, tütün, yiyecek veya içeceklerin depolanmasına izin verilmez.

Maruz kalma senaryoları:

Bu ürün için uygulanan hiçbir maruz kalma senaryosu bulunmamaktadır.

Maruz kalma sınırları:

Bu ürün içerisinde bulunan maddeler için maksimum maruz kalma limiti yoktur.

İlgili teknik önlemler:

Ürünün kullanımı sırasında standart tedbirleri uygulayın. Buharı solumaktan kaçının.

Hijyen önlemleri:

Bu ürünü kullanırken ara verdiğinizde ve ürünü kullanmayı tamamladığınızda, vücudun açıkta olan tüm yerleri yıkanmalıdır. Ellerinize, kollarınızın ön kısımlarına ve yüzünüze özellikle dikkat edin.

Çevresel maruz kalmayı engellemek üzere önlemler:

Belirli gereksinimler yoktur.

Kişisel koruma ekipmanları gibi bireysel koruma önlemleri

Genel:

Sadece CE işaretli koruyucu ekipmanları kullanınız.

Solunma ekipmanı:

Tipi	Sınıf	Renk	Standartlarına	
Amacına uygun kullanıldığında özel durum yoktur.				

Cildin korunması:

Önerilen	Tip/Kategori	Standartlarına	
Amacına uygun kullanıldığında özel durum yoktur	-	-	

Ellerin korunması:

Çalışma durumu	Malzeme	Minimum tabaka kalınlığı (mm)	Delinme süresi (dakika)	Standartlarına	
	Amacına uygun kullanıldığında özel durum yoktur	-	-	-	
Uzun süreli maruz kalma veya yüksek konsantrasyonlar durumunda	Pamukdan / Doğal lastik (lateks)	-	> 120	EN374-2, EN16523-1, EN388	

Gözlerin korunması:

Çalışma durumu	Tipi	Standartlarına	
	Amacına uygun kullanıldığında özel durum yoktur.	-	
Uzun süreli maruz kalma veya yüksek konsantrasyonlar durumunda	Yan siperleri olan koruyucu gözlük takın.	EN166	

BÖLÜM 9: FİZİKSEL VE KİMYASAL ÖZELLİKLER

9.1. Temel fiziksel ve kimyasal özellikler hakkında bilgi

Sekil:

Sıvı

Renk:

Renksiz

Koku / Koku eşiği (ppm):

Parfümlü

pH:

ca. 4.8

Yogunluk (g/cm³):

1,02 (20 °C)

Kinematik vizkosite:

Veri bulunmamaktadır.

Partikül özellikleri:

Sıvılar uygulanmaz

Hal değişimlikleri

Erime noktası/Donma noktası (°C):

Veri bulunmamaktadır.

Yumuşama noktası/aralığı (°C):

Sıvılar uygulanmaz

Kaynama noktası (°C):

Veri bulunmamaktadır.

Buhar basıncı:

Veri bulunmamaktadır.

Bağıl buhar yoğunluğu:

Veri bulunmamaktadır.

Bozunma sıcaklığı (°C):

Veri bulunmamaktadır.

Yangın ve patlama tehlikeleri ile ilgili veriler

Parlama noktası (°C):

Veri bulunmamaktadır.

Alevlenirlik (°C):

Veri bulunmamaktadır.

Kendi kendine yanma noktası (°C):

Veri bulunmamaktadır.

Patlama sınırları (% v/v):

Veri bulunmamaktadır.

Çözünübilirlik

Suda çözünübilirlik:

Tamamen çözünür

n-oktanol/su katsayısı (LogKow):
Veri bulunmamaktadır.

Yagda çözünürlük (g/L):
Veri bulunmamaktadır.

9.2. Diğer bilgiler

Diğer fiziksel ve kimyasal parametreler:
Veri bulunmamaktadır.

Oksitleyici özellikler:
Veri bulunmamaktadır.

BÖLÜM 10: KARARLILIK VE REAKTİFLİK

10.1. Tepkime

Veri bulunmamaktadır.

10.2. Kimyasal kararlılık

Ürün 7, "Taşıma ve depolama" bölümünde belirtilen koşullar altında durağandır.

10.3. Zararlı tepkime olasılığı

Hiçbiri bilinmiyor.

10.4. Kaçınılması gereken durumlar

Hiçbiri bilinmiyor.

10.5. Kaçınılması gereken maddeler

Güçlü asitler, güçlü bazlar, güçlü paslandırıcı maddeler ve güçlü katabolik maddeler.

10.6. Zararlı bozunma ürünleri

Normal depolama ve kullanım koşulları altında tehlikeli bozunma ürünleri üretilmemelidir.

BÖLÜM 11: TOKSİKOLOJİK BİLGİLER

11.1. Toksik etkiler hakkında bilgi

Akut toksik

Ürün/içerik	hydrogen peroxide
Tür:	Sıçan
Maruz kalma şekli:	Ağız yolu
Test:	LD50
Sonuç:	1.193 - 1.270 mg/L

Ürün/içerik	hydrogen peroxide
Tür:	Tavşan
Maruz kalma şekli:	Cilt yolu
Test:	LD50
Sonuç:	>2.000 (35% oplossing) mg/kg

Ürün/içerik	1,2-benzisothiazol-3(2H)-one, 1,2-benzisothiazolin-3-one
Tür:	Sıçan
Maruz kalma şekli:	Ağız yolu
Test:	LD50
Sonuç:	500 mg/kg

Mevcut veriler sınıflandırma kriterlerini karşılamıyor.

Cilt asinması/tahris

Ürün/içerik	hydrogen peroxide
Sonuç:	Yan etki gözlemlenmiştir (Tahriş edici)

Ürün/içerik	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Test metodu:	OECD 404
Sonuç:	Yan etki gözlemlenmiştir (Tahriş edici)

Mevcut veriler sınıflandırma kriterlerini karşılamıyor.

Ciddi göz hasarları/tahrişi

Ürün/içerik	hydrogen peroxide
Sonuç:	Yan etki gözlemlenmiştir (Ciddi göz hasarına yol açar)

Ürün/içerik	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Test metodu:	OECD 405
Sonuç:	Yan etki gözlemlenmiştir (Ciddi göz hasarına yol açar)

Mevcut veriler sınıflandırma kriterlerini karşılamıyor.

Solunum yolları hassaslaşması

Ürün/içerik	hydrogen peroxide
Sonuç:	Hiçbir yan etki gözlenmemiştir (hassaslaştırıcı değil)

Mevcut veriler sınıflandırma kriterlerini karşılamıyor.

Cilt hassaslaşması

Ürün/içerik	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Test metodu:	OECD 429
Tür:	Fare
Sonuç:	Yan etki gözlemlenmiştir (hassaslaştırma)

Ürün/içerik	1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Test metodu:	OECD 406
Tür:	Gine domuzu
Sonuç:	Yan etki gözlemlenmiştir (hassaslaştırma)

Mevcut veriler sınıflandırma kriterlerini karşılamıyor.

Hastalıkli hücre mutajenitesi

Mevcut veriler sınıflandırma kriterlerini karşılamıyor.

Kanserojenlik

Ürün/içerik	hydrogen peroxide
Sonuç:	Hiçbir yan etki gözlenmemiştir

Mevcut veriler sınıflandırma kriterlerini karşılamıyor.

Üreme toksisitesi

Ürün/içerik	hydrogen peroxide
Sonuç:	Hiçbir yan etki gözlenmemiştir

Mevcut veriler sınıflandırma kriterlerini karşılamıyor.

STOT- tekil maruz kalma

Mevcut veriler sınıflandırma kriterlerini karşılamıyor.

STOT - tekrarlı maruz kalma

Mevcut veriler sınıflandırma kriterlerini karşılamıyor.

Aspirasyon tehlikesi

Ürün/içerik	hydrogen peroxide
Mevcut veriler sınıflandırma kriterlerini karşılamıyor.	

11.2. Diğer tehlikelere ilişkin bilgiler

Uzun vadeli etkiler

Hiçbiri bilinmiyor.

Endokrin bozucu özellikler

Bu karışım/ürün, sağlıkla ilgili hormon bozucu özelliklere sahip olduğu düşünülen herhangi bir madde içermemektedir.

Diğer bilgiler

hydrogen peroxide : Bu madde IARC (Uluslararası Kanseri Araştırmaları Ajansı) tarafından grup 3 olarak sınıflandırılmıştır.

BÖLÜM 12: EKOLOJİK BİLGİLER

12.1. Toksisite

Ürün/içerik: hydrogen peroxide
Tür: Balık, Pimephales promelas
Süresi: 96 saat
Test: LC50
Sonuç: 16,4 mg/L

Ürün/içerik: hydrogen peroxide
Tür: Balık, Leuciscus idus
Süresi: 72 saat
Test: LC50
Sonuç: 35 mg/L

Ürün/içerik: hydrogen peroxide
Tür: Balık, Oncorhynchus mykiss
Süresi: 7 günler
Test: LC50
Sonuç: 38,5 mg/L

Ürün/içerik: hydrogen peroxide
Tür: Daphnia pulex
Süresi: 48 saat
Test: EC50
Sonuç: 2,4 mg/L

Ürün/içerik: hydrogen peroxide
Tür: Daphnia magna
Süresi: 24 saat
Test: EC50
Sonuç: 7,7 mg/L

Ürün/içerik: hydrogen peroxide
Tür: Skeletonema costatum
Süresi: 72 saat
Test: EC50
Sonuç: 1,38 mg/L

Ürün/içerik: hydrogen peroxide
Test metodu: OECD 209
Tür: Bakteriler
Ortamıdır: Etkinleştirilen Çamur Tesisi
Süresi: 30 minutes
Test: EC50
Sonuç: 466 mg/L

Ürün/içerik: hydrogen peroxide
Test metodu: OECD 209
Tür: Bakteriler
Ortamıdır: Etkinleştirilen Çamur Tesisi
Süresi: 3 saat
Test: EC50
Sonuç: > 1.000 mg/L

Ürün/içerik: 1,2-benzisothiazol-3(2H)-one
Tür: Balık

Süresi: 96 saat
Test: LC50
Sonuç: >0.1-1 mg/L

Ürün/içerik 1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Tür: Kabuklu
Süresi: 48 saat
Test: EC50
Sonuç: >0.1-1 mg/L

Ürün/içerik 1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Tür: Yosun
Süresi: 72 saat
Test: EC50
Sonuç: >0.1-1 mg/L

Mevcut veriler sınıflandırma kriterlerini karşılamıyor.

12.2. Kalıcılık ve bozunabilirlik

Ürün/içerik Alcohol, C13, bran., EO, sulfate Na~
Sonuç: > 60 %
Sonuç: Kolay biyobozunabilirlik
Test: OECD 301 B

Ürün/içerik hydrogen peroxide
Sonuç: Kolay biyobozunabilirlik

Ürün/içerik 1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
Sonuç: 90%
Sonuç: Kolay biyobozunabilirlik
Test: OECD 302

Bu preparat içerisinde bulunan sürfaktan(lar) deterjanlarla ilgili Düzenleme (EC) No.648/2004'te belirtilen biyolojik olarak çözünebilirlik kriterleri ile uyumludur. Bu beyanı destekleyen veriler Üye Ülkeler'in yetkili otoritelerine sunulmaktadır ve doğrudan talepleri veya bir deterjan üreticisinin talebi üzerine sağlanabilir.

12.3. Biyobirikim potansiyeli

Ürün/içerik hydrogen peroxide
LogKow: -1,57
Sonuç: -

Ürün/içerik 1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one
BCF: 2
LogKow: 1.45
Sonuç: Biyoakümülyasyon potansiyeli düşüktür

12.4. Toprakta hareketlilik

Veri bulunmamaktadır.

12.5. PBT ve vPvB değerlendirmesinin sonuçları

Bu karışım/ürün, PBT ve/veya vPvB sınıfı kapsamında değerlendirilen herhangi bir ürün içermez.

12.6. Endokrin bozucu özellikler

Bu karışım/ürün, çevreyle ilgili endokrin bozucu özelliklere sahip olduğu düşünülen herhangi bir madde içermemektedir.

12.7. Diğer olumsuz etkiler

Hiçbiri bilinmiyor.

BÖLÜM 13: ATIKLARIN ATILMASI İLE İLGİLİ HUSUSLAR

13.1. Atık işleme yöntemleri

Bu ürün tehlikeli atık düzenlemeleri kapsamındadır. (*)

HP 4 - Tahriş edici (cilt tahrişi ve göz hasarı)

18 Aralık 2014 tarih ve 1357/2014 sayılı Komisyon Yönetmeliği (AB), Avrupa Parlamentosu ve Konseyi'nin atıklarla ilgili 2008/98/EC Yönergesinin Ek III'ünün yerini almıştır.

EWC kodu:

20 01 30

20 01 29 belirtilenler dışındaki deterjanlar

Bulasmis ambalaj

Ürünün artıklarının bulunduğu ambalaj malzemeleri ürün ile aynı şekilde atılmalıdır.

BÖLÜM 14: TASIMACILIK BİLGİLERİ

	14.1 UN	14.2 İsim ve tanım	14.3 Sınıf	14.4 PG*	14.5. Env**	Diger bilgiler:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Paketleme grubu

** Çevresel zararlar

Ek bilgiler

ADR, IATA ve IMDG düzenlemelerine göre tehlikeli mallar listesinde yer almamaktadır.

14.6. Kullanıcı için özel önlemler

Uygulanamaz.

14.7. MARPOL 73/78 ek II ve IBC koduna göre toplu taşımacılık

Veri bulunmamaktadır.

BÖLÜM 15: MEVZUAT BİLGİLERİ

15.1. Madde veya karışıma özgü güvenlik, sağlık ve çevre mevzuatı

Uygulama ile ilgili sınırlamalar:

Sadece profesyonel kullanıcılar içindir.

Özel eğitim talepleri:

Belirli gereksinimler yoktur.

SEVESO - Tehlikeli maddelerin zararlılık kategorileri / Adlandırılmış tehlikeli maddeler:

Uygulanamaz.

hydrogen peroxide (Ek I)

DETERJANLAR HAKKINDA YÖNETMELİK göre içeriğin etiketlenmesi:

>5% - <15%

· İyonik olmayan sürfaktanlar

< 5%

· Anyonik sürfaktanlar

· Oksijen bazlı beyazlatıcı maddeler

· Parfümler

· Koruyucu (BENZISOTHIAZOLINONE)

Ek bilgiler:

Bu preparat içerisinde bulunan sürfaktan(lar) deterjanlarla ilgili Düzenleme (EC) No.648/2004'te belirtilen biyolojik olarak çözünebilir kriterleri ile uyumludur. Bu beyanı destekleyen veriler Üye Ülkeler'in yetkili otoritelerine sunulmaktadır ve doğrudan talepleri veya bir deterjan üreticisinin talebi üzerine sağlanabilir.

Kaynaklar:

DETERJANLAR HAKKINDA YÖNETMELİK. Resmî Gazete Sayı : 30314 (Ocak 2018)

18 Aralık 2014 tarih ve 1357/2014 sayılı Komisyon Yönetmeliği (AB), Avrupa Parlamentosu ve Konseyi'nin atıklarla

ilgili 2008/98/EC Yönergesinin Ek III'ünün yerini almıştır.
Council Regulation (EC) No 2019/1148 on explosives precursors.
11/12/2013 tarihli ve 28848 MADDELERİN VE KARIŞIMLARIN SINIFLANDIRILMASI, ETİKETLENMESİ VE
AMBALAJLANMASI HAKKINDA YÖNETMELİK
23/06/2017 tarihli ve 30105 KİMYASALLARIN KAYDI, DEĞERLENDİRİLMESİ, İZNİ VE KISITLANMASI HAKKINDA
YÖNETMELİK.

15.2. Kimyasal güvenlik değerlendirme

Hayır

BÖLÜM 16: DİĞER BİLGİLER

Bölüm 3'te belirtilen H terimlerinin tam metni

H271, Yangına veya patlamaya yol açabilir; güçlü oksitleyici.
H302, Yutulması halinde zararlıdır.
H314, Ciddi cilt yanıklarına ve göz hasarına yol açar.
H315, Cilt tahrişine yol açar.
H318, Ciddi göz hasarına yol açar.
H319, Ciddi göz tahrişine yol açar.
H332, Solunması halinde zararlıdır.
H335, Solunum yolu tahrişine yol açabilir.
H336, Rehavete veya baş dönmesine yol açabilir.
H412, Sucul ortamda uzun süre kalıcı, zararlı etki.

Kısaltmalar ve eş anlamlılar

ACGIH = American Conference of Industrial Hygienists
ADN = Tehlikeli yüklerin iç su yollarında uluslararası taşınması hakkındaki Avrupa Koşulları
ADR = Tehlikeli yüklerin uluslararası karayollarında taşınması hakkındaki Avrupa Sözleşmesi
ATE = Öngörülen akut toksisite
BCF = Biyobirikim faktörü
BM = Birleşmiş Milletler
CAS = Kimyasal Kuramlar Servisi
CE = Avrupa Uygunluğu
EuPCS = Avrupa Ürün Kategorizasyon Sistemi
GHS = Kimyasalların Global Harmonize Sınıflandırma ve Etiketleme Sistemi
IATA = Uluslararası Hava Taşımacılığı Birliği
IMDG = Uluslararası Denizcilikte Tehlikeli Yükler
KIP = Küresel ısınma potansiyeli
LogPow = oktanol/su dağılım katsayısının 10 tabanlı logaritması
MARPOL = Gemilerden Kaynaklanan Deniz Kirliliğini Önleme Sözleşmesi, 1973 1978 Protokolüyle değiştirilmiş hali
("Marpol" = deniz kirlenmesi)
OECD = Ekonomik İşbirliği ve Kalkınma Örgütü
PBT = Kalıcı, Biyobirikimli ve Toksik
RID = Tehlikeli Yüklerin Uluslararası Demiryolu ile Taşınması hakkındaki Tüzük
SCL = Spesifik konsantrasyon limiti.
STOT-RE = Özel Organ Hedefli Toksikite - Tekrarlanan Maruziyet
STOT-SE = Özel Organ Hedefli Toksikite - Tek Maruziyet
TWA = Zaman ağırlıklı ortalama
UOB = Uçucu Organik Bileşikler
UVCB = Bilinmeyen veya değişken bileşim, kompleks reaksiyon ürünleri veya biyolojik malzemeler
vPvB = Çok Kalıcı ve Çok Biyobirikimli

Ek bilgiler

Uygulanamaz.

Güvenlik bilgi formunu onaylayan

Quality & Compliance

Diger

Değişiklik (en son önemli değişiklik ile orantılı olarak (SDS versiyonu ilk anahtarı)) üçgen ile işaretlenmiştir.
Bu güvenlik bilgi formu içerisindeki bilgiler sadece belirlenmiş ürün için uygundur (bölüm 1'de belirtilmiştir) ve diğer kimyasallar/ürünler için kullanılması uygun olmayabilir.



Kimyasalların Kaydı, Değerlendirilmesi, İzni Ve Kısıtlanması Hakkında Yönetmelik (23.06.2017 Tarih ve 30105 Nolu Resmi Gazete)

Bu güvenlik bilgi formunun asıl ürün kullanıcısına teslim edilmesi önerilir. Bu güvenlik bilgi formu içerisindeki bilgiler ürün spesifikasyonu olarak kullanılamaz.
Ülke-dil: TR-tr

SAFETY DATA SHEET

i.1 all-purpose cleaner FlexDose

SECTION 1: IDENTIFICATION

1.1. Product identifier

▼ *Trade name:*

i.1 all-purpose cleaner FlexDose

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses of the substance or mixture:

Washing and cleaning products (including solvent based products)
Restricted to professional users.

Uses advised against :

None known.

1.3. Details of the supplier of the safety data sheet

Company and address:

Hygeniq B.V.
Postbus 618
7500 AP Enschede
The Netherlands
+31 53 4282860
+31 53 5393865
www.hygeniq.com

E-mail:

info@hygeniq.com

SDS date:

6/27/2025

SDS Version:

2.0

Date of previous version:

6/2/2025 (1.0)

1.4. Emergency telephone number

Contact the poison control at 1-800-222-1222 (24/7) or use the webPOISONCONTROL® (triage.webpoisoncontrol.org) to get specific guidance for your case
See also section 4 "First aid measures".

SECTION 2: HAZARD(S) IDENTIFICATION

2.1. Classification of the substance or mixture

Not classified according to HCS (29 CFR 1910.1200)

2.2. Label elements

Hazard pictogram(s):

Not applicable.

Signal word:

Not applicable.

Hazard statement(s):

Precautionary statement(s):

General:

-

Prevention:

-

Response:

-

Storage:

-

Disposal:

-

Additional labelling:

Not applicable.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable. This product is a mixture.

3.2. Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
Alcohol, C13, bran., EO, sulfate Na~	CAS No.: 150413-26-6	1-3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319	
hydrogen peroxide	CAS No.: 7722-84-1	1-3%	Ox. Liq. 1, H271 Acute Tox. 4, H302 Skin Corr. 1A, H314 (SCL: 70.00 %) Skin Corr. 1B, H314 (SCL: 50.00 %) Skin Irrit. 2, H315 (SCL: 35.00 %) Eye Dam. 1, H318 (SCL: 8.00 %) Eye Irrit. 2, H319 (SCL: 5.00 %) Acute Tox. 4, H332 STOT SE 3, H336 (SCL: 35.00 %)	
citroenzuurmonohydraat	CAS No.: 5949-29-1	<0.1%	Eye Irrit. 2, H319	

Where the concentration of an ingredient is expressed as a range the exact concentration has been withheld as a trade secret.

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information

-

SECTION 4: FIRST-AID MEASURES

4.1. Description of first aid measures

General information:

If breathing is irregular, drowsiness, loss of consciousness or cramps: Call 911 and give immediate treatment (first aid).

Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

Inhalation:

In case of discomfort: bring the person into fresh air.

Skin contact:

Upon irritation: rinse with water. In the event of continued irritation, seek medical assistance.

Eye contact:

Rinse gently with lukewarm water. Remove any contact lenses if this is easy to do. Continue rinsing. In case of persistent eye irritation or discomfort: Seek medical help.

Ingestion:

Rinse and flush mouth thoroughly and consume large quantities of water. In case of continued discomfort: seek medical assistance and bring this safety data sheet.

Burns:

Not applicable.

4.2. Most important symptoms and effects, both acute and delayed

None known.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

Information to medics

Bring this safety data sheet or the label from this product.

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Not applicable.

5.2. Special hazards arising from the substance or mixture

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

Carbon oxides (CO / CO₂)

5.3. Advice for firefighters

No specific requirements.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation, especially in confined areas.

Contaminated areas may be slippery.

6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.

Keep unauthorized persons away from the spill

6.3. Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections

See section 13 "Disposal considerations" on handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Smoking, drinking and consumption of food is not allowed in the work area.
See section 8 "Exposure controls/personal protection" for information on personal protection.

7.2. Conditions for safe storage, including any incompatibilities

Recommended storage material:

Keep only in original packaging.

Storage conditions:

Dry, cool and well ventilated

Incompatible materials:

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

hydrogen peroxide

Long term exposure limit (OSHA Table Z-1) (mg/m³): 1.4

Long term exposure limit (OSHA Table Z-1) (ppm): 1

Long term exposure limit (ACGIH TLV) (ppm): 1

Part 1910 - Occupational Safety and Health Standards (29 CFR 1910.1000 TABLE Z-1 - Limits for Air Contaminants)

8.2. Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

General recommendations:

Smoking, drinking and consumption of food is not allowed in the work area.

Exposure scenarios:

There are no exposure scenarios implemented for this product.

Exposure limits:

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

Appropriate technical measures:

The formation of vapours must be kept at a minimum and below current limit values (see above). Installation of a local exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure eyewash and emergency showers are clearly marked.

Apply standard precautions during use of the product. Avoid inhalation of vapours.

Hygiene measures:

Wash hands after use.

Measures to avoid environmental exposure:

No specific requirements.

Individual protection measures, such as personal protective equipment

Generally:

Use only protective equipment with a recognized certification mark, e.g. the UL mark.

Respiratory Equipment:

Type	Class	Colour	Standards	
No special when used				

Type	Class	Colour	Standards	
as intended.				

Skin protection:

Recommended	Type/Category	Standards	
No special when used as intended.	-	-	

Hand protection:

Work situation	Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
	No special when used as intended	-	-	-	
In the event of prolonged exposure or high concentrations	Cotton/Latex	-	> 120	EN374-2, EN16523-1, EN388	

Eye protection:

Work situation	Type	Standards	
	No special when used as intended.	-	
In the event of prolonged exposure or high concentrations	Safety glasses with side shields.	EN166	

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state:

Liquid

Color:

Colourless

Odor:

Of perfume

Odor threshold (ppm):

No data available.

pH:

ca. 4.8

Density (g/cm³):

1.02 (20 °C)

Kinematic viscosity:

No data available.

Particle characteristics:

Does not apply to liquids.

Phase changes

Melting point/freezing point (°F):

No data available.

Softening point/range (°F):

Does not apply to liquids.

Boiling point (°F):

No data available.



Conforms to OSHA Hazard Communication Standard (HCS) (29 CFR 1910.1200 / revised 2024)

Vapor pressure:

No data available.

Relative vapor density:

No data available.

Decomposition temperature (°F):

No data available.

Data on fire and explosion hazards

Flash point (°F):

No data available.

Flammability (°F):

No data available.

Auto-ignition temperature (°F):

No data available.

Explosion limits (% v/v):

No data available.

Solubility

Solubility in water:

Completely soluble

n-octanol/water coefficient (LogKow):

No data available.

Solubility in fat (g/L):

No data available.

9.2. Other information

Other physical and chemical parameters:

No data available.

Oxidizing properties:

No data available.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

10.2. Chemical stability

The product is stable under the conditions, noted in section 7 "Handling and storage".

10.3. Possibility of hazardous reactions, including those associated with foreseeable emergencies

None known.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity

Product/substance	hydrogen peroxide
Species:	Rat
Route of exposure:	Oral

Test: LD50
Result: 1.193 - 1.270 mg/L

Product/substance: hydrogen peroxide
Species: Rabbit
Route of exposure: Dermal
Test: LD50
Result: >2.000 (35% oplossing) mg/kg

Product/substance: 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Species: Rat
Route of exposure: Oral
Test: LD50
Result: 500 mg/kg

Based on available data, the classification criteria are not met.

Skin corrosion/irritation

Product/substance: hydrogen peroxide
Result: Adverse effect observed (Irritating)

Product/substance: 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Test method: OECD 404
Result: Adverse effect observed (Irritating)

Based on available data, the classification criteria are not met.

Serious eye damage/irritation

Product/substance: hydrogen peroxide
Result: Adverse effect observed (Causes serious eye damage)

Product/substance: 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Test method: OECD 405
Result: Adverse effect observed (Causes serious eye damage)

Based on available data, the classification criteria are not met.

Respiratory sensitisation

Product/substance: hydrogen peroxide
Result: No adverse effect observed (not sensitising)

Based on available data, the classification criteria are not met.

Skin sensitisation

Product/substance: 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Test method: OECD 429
Species: Mouse
Result: Adverse effect observed (sensitising)

Product/substance: 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Test method: OECD 406
Species: Guinea pig
Result: Adverse effect observed (sensitising)

Based on available data, the classification criteria are not met.

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Product/substance: hydrogen peroxide
Conclusion: No adverse effect observed

Based on available data, the classification criteria are not met.

Reproductive toxicity

Product/substance: hydrogen peroxide

Conclusion: No adverse effect observed

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Product/substance hydrogen peroxide

Based on available data, the classification criteria are not met.

Long term effects

None known.

Other information

hydrogen peroxide has been classified by IARC as a group 3 carcinogen.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Product/substance	hydrogen peroxide
Species:	Fish, Pimephales promelas
Duration:	96 hours
Test:	LC50
Result:	16,4 mg/L

Product/substance	hydrogen peroxide
Species:	Fish, Leuciscus idus
Duration:	72 hours
Test:	LC50
Result:	35 mg/L

Product/substance	hydrogen peroxide
Species:	Fish, Oncorhynchus mykiss
Duration:	7 days
Test:	LC50
Result:	38,5 mg/L

Product/substance	hydrogen peroxide
Species:	Daphnia pulex
Duration:	48 hours
Test:	EC50
Result:	2,4 mg/L

Product/substance	hydrogen peroxide
Species:	Daphnia magna
Duration:	24 hours
Test:	EC50
Result:	7,7 mg/L

Product/substance	hydrogen peroxide
Species:	Skeletonema costatum
Duration:	72 hours
Test:	EC50
Result:	1,38 mg/L

Product/substance	hydrogen peroxide
Test method:	OECD 209
Species:	Bacteria
Compartment:	Activated Sludge Plant

Duration: 30 minutes
Test: EC50
Result: 466 mg/L

Product/substance: hydrogen peroxide
Test method: OECD 209
Species: Bacteria
Compartment: Activated Sludge Plant
Duration: 3 hours
Test: EC50
Result: > 1.000 mg/L

Product/substance: 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Species: Fish
Duration: 96 hours
Test: LC50
Result: >0.1-1 mg/L

Product/substance: 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Species: Crustacean
Duration: 48 hours
Test: EC50
Result: >0.1-1 mg/L

Product/substance: 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Species: Algae
Duration: 72 hours
Test: EC50
Result: >0.1-1 mg/L

Based on available data, the classification criteria are not met.

12.2. Persistence and degradability

Product/substance: Alcohol, C13, bran., EO, sulfate Na~
Result: > 60 %
Conclusion: Readily biodegradable
Test: OECD 301 B

Product/substance: hydrogen peroxide
Conclusion: Readily biodegradable

Product/substance: 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
Result: 90%
Conclusion: Readily biodegradable
Test: OECD 302

12.3. Bioaccumulative potential

Product/substance: hydrogen peroxide
LogKow: -1,57
Conclusion: -

Product/substance: 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one
BCF: 2
LogKow: 1.45
Conclusion: Potential for bioaccumulation is low

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

12.6. Other adverse effects

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

RCRA Hazardous waste ("P" and "U" list) (40 CFR 261)

None of the components are listed

Specific labelling

Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: TRANSPORT INFORMATION

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
DOT	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Packing group

** Environmental hazards

Additional information

Not dangerous goods according to DOT, IATA and IMDG.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to IMO instruments

No data available.

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.2. U.S. Federal regulations

TSCA (the non-confidential portion):

hydrogen peroxide is listed

1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one; 1,2-benzisothiazolin-3-one is listed

Clean Air Act:

None of the components are listed

EPCRA Section 302:

hydrogen peroxide is regulated with a Threshold Planning Quantity (TPQ) of: 1000 pounds

EPCRA Section 304:

hydrogen peroxide is regulated with a Reportable Quantity (RQ) of: 1000 pounds

EPCRA section 313:

None of the components are listed

CERCLA:

None of the components are listed

Hazardous chemical inventory reporting:

This product is not subject to Tier II reporting.

State regulations

California / Prop. 65:

None of the components are listed

Massachusetts / Right To Know Act:

hydrogen peroxide is listed

New Jersey / Right To Know Act:

hydrogen peroxide / Substance number: 1015

hydrogen peroxide is on the Special Health Hazard Substance List

—

New York / Right To Know Act:

hydrogen peroxide is listed

hydrogen peroxide is regulated with a Reportable Quantity (RQ) of: 1 pounds

hydrogen peroxide is regulated with a Treshold Reporting Quantity (TRQ) of: 0 pounds

hydrogen peroxide is regulated with a Treshold Planning Quantity (TPQ) of: 1000 pounds

—

Pennsylvania / Right To Know Act:

hydrogen peroxide is listed

hydrogen peroxide is hazardous to the environment (E)

—

15.4. Restrictions for application

Restricted to professional users.

15.5. Demands for specific education

No specific requirements.

15.6. Additional information

Not applicable.

15.7. Chemical safety assessment

No

15.8. Sources

OSHA Hazard Communication Standard (29 CFR 1910.1200)

SECTION 16: OTHER INFORMATION

Full text of H-phrases as mentioned in section 3

H271, May cause fire or explosion; strong oxidiser.

H302, Harmful if swallowed.

H314, Causes severe skin burns and eye damage.

H315, Causes skin irritation.

H318, Causes serious eye damage.

H319, Causes serious eye irritation.

H332, Harmful if inhaled.

H336, May cause drowsiness or dizziness.

The full text of identified uses as mentioned in section 1

None known.

Abbreviations and acronyms

ACGIH = American Conference of Governmental Industrial Hygienists

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway

ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road

ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

CAS = Chemical Abstracts Service

CERCLA = Comprehensive Environmental Response Compensation and Liability Act

DOT = Department of Transportation

EINECS = European Inventory of Existing Commercial chemical Substances

EPCRA = Emergency Planning and Community Right-To-Know Act

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

HCIS = Hazardous Chemical Information System
HNOC = Hazards Not Otherwise Classified
IARC = International Agency for Research on Cancer
IATA = International Air Transport Association
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
NFPA = National Fire Protection Association
NIOSH = National Institute for Occupational Safety and Health
OECD = Organisation for Economic Co-operation and Development
OSHA = Occupational Safety and Health Administration
PBT = Persistent, Bioaccumulative and Toxic
RCRA = Resource Conservation and Recovery Act
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
RRN = REACH Registration Number
SARA = Superfund Amendments and Reauthorization Act
SCL = A specific concentration limit.
STEL = Short-term exposure limits
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
STOT-SE = Specific Target Organ Toxicity - Single Exposure
TSCA = The Toxic Substances Control Act
TWA = Time weighted average
UN = United Nations
UVBC = Unknown or variable composition, complex reaction products or of biological materials
VOC = Volatile Organic Compound
vPvB = Very Persistent and Very Bioaccumulative

Additional information

Not applicable.

The safety data sheet is validated by

Quality & Compliance

Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

Country-language: US-en