



SAFETY DATA SHEET

Frostlögur langtíma

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

1.1. Product identifier

Trade name: Frostlögur langtíma
Unique formula identifier (UFI): 3H29-AYYA-220F-6DQ1

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

Relevant identified uses of the substance or mixture: Coolant
Uses advised against : None known.

1.3. Details of the supplier of the safety data sheet

Company and address: **Olís ehf.**
Skútuvogur 5
104 Reykjavík
Ísland
Tel: +354 5151000
<https://www.olis.is/>

▼ *E-mail:* olis@olis.is

Revision: 09/12/2025

SDS Version: 2.0

Date of previous version: 22/02/2024 (1.0)

1.4. Emergency telephone number

Emergency Line: Phone 112.
Poison Center Landspítali University hospital, Phone: 543 22 22.
See item 4: First aid measures.

SECTION 2: HAZARDS IDENTIFICATION

Classified according to Regulation (EC) No. 1272/2008 (CLP).

2.1. ▼ Classification of the substance or mixture

Acute Tox. 4; H302, Harmful if swallowed.
Repr. 1B; H360D, May damage the unborn child.
Repr. 2; H361, Suspected of damaging fertility or the unborn child.
STOT RE 2; H373, May cause damage to organs through prolonged or repeated exposure.

2.2. Label elements

Hazard pictogram(s):



▼ *Signal word:*

Danger

▼ *Hazard statement(s):*

Harmful if swallowed. (H302)
May damage the unborn child. (H360D)
Suspected of damaging fertility or the unborn child. (H361)
May cause damage to organs through prolonged or repeated exposure. (H373)

Precautionary statement(s):

▼ *General:*

Keep out of reach of children. (P102)
If medical advice is needed, have product container or label at hand. (P101)

▼ *Prevention:*

Do not breathe vapour/mist. (P260)

Response:

IF SWALLOWED: Immediately call a POISON CENTER/doctor. (P301+P310)

Storage:

Store locked up. (P405)

▼ *Disposal:*

Dispose of contents/container in accordance with local regulation.
/hjá viðurkenndri spilliefnamóttöku (P501)

▼ *Hazardous substances:*

ethanediol;ethylene glycol
Sodium 2-ethylhexanoate

▼ *Additional labelling:*

Restricted to professional and industrial use.

UFI: 3H29-AYYA-220F-6DQ1

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
ethanediol;ethylene glycol	CAS No.: 107-21-1 EC No.: 203-473-3 REACH: 01-2119456816-28-XXXX Index No.: 603-027-00-1	80-98%	Acute Tox. 4, H302 STOT RE 2, H373	[1]
Sodium 2-ethylhexanoate	CAS No.: 19766-89-3 EC No.: 243-283-8 REACH: 01-2119972937-17-XXXX Index No.:	3-5%	Repr. 1B, H360D	
Methyl-1H-benzotriazole	CAS No.: 29385-43-1 EC No.: 249-596-6 REACH: 01-2119979081-35-XXXX Index No.:	0.1- <1%	Acute Tox. 4, H302 Repr. 2, H361d Aquatic Chronic 2, H411	

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:

Remove contaminated clothing and shoes immediately. Ensure to wash exposed skin thoroughly with water and soap. Skin

Eye contact:

cleanser can be used. DO NOT use solvents or thinners.

If skin irritation occurs: Get medical advice/attention.

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 SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.

Rinse mouth.

Burns:

Not applicable.

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

Neurotoxic effects: This product contains organic solvents, which may cause adverse effects to the nervous system. Symptoms of neurotoxicity include: loss of appetite, headache, dizziness, ringing in ears, tingling sensations of skin, sensitivity to the cold, cramps, difficulty in concentrating, tiredness, etc. Repeated exposure to solvents can result in the breaking down of the skin's natural fat layer and may result in an increased absorption potential of other hazardous substances at the area of exposure.

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

IF exposed or concerned:

Get immediate medical advice/attention.

Information to medics

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

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist. Unsuitable extinguishing media: Waterjets should not be used, since they can spread the fire.

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)

Some metal oxides

5.3. ▼ Advice for firefighters

To avoid contact with the substance, wear self-contained breathing apparatus and protective clothing.



SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Avoid direct contact with spilled substances.
Ensure adequate ventilation, especially in confined areas.
Contaminated areas may be slippery.

6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc. In the event of leakage to the surroundings, contact local environmental authorities.

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

Avoid direct contact with the product.
Avoid contact during pregnancy and while nursing.
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

Store locked up. A sign warning of toxic materials shall be affixed the room and cupboard containing the product(s).

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

Recommended storage material: Keep only in original packaging.

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Storage conditions: Keep away from food, drink and animal feeding stuffs
Keep away from incompatible materials

Incompatible materials: Strong acids
Strong oxidizing agents

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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

ethanediol;ethylene glycol

Long term exposure limit (8 hours) (mg/m³): 26

Long term exposure limit (8 hours) (ppm): 10

Short term exposure limit (15 minutes) (mg/m³): 104

Short term exposure limit (15 minutes) (ppm): 40

Annotations:

H = High risk of dermal absorption.

Sodium 2-ethylhexanoate

Short term exposure limit (15 minutes) (mg/m³): 104

Short term exposure limit (15 minutes) (ppm): 26

Regulation on pollution limits and actions to reduce pollution at workplaces (390/2009).

Ordinance amending the regulation on pollution limits and actions to reduce pollution at workplaces, no. 390/2009 (631/2021).

DNEL

ethanediol;ethylene glycol

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects	Dermal	106 mg/kg bw/day
Long term – Systemic effects - General population	Dermal	53 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	106 mg/kg bw/day
Long term – Local effects	Inhalation	35 mg/m ³
Long term – Local effects - General population	Inhalation	7 mg/m ³
Long term – Local effects - Workers	Inhalation	35 mg/m ³

Methyl-1H-benzotriazole

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	10 µg/kg bw/day
Long term – Systemic effects - Workers	Dermal	300 µg/kg bw/day
Long term – Systemic effects - General population	Inhalation	350 µg/m ³
Long term – Systemic effects - Workers	Inhalation	21.2 mg/m ³
Long term – Systemic effects - General population	Oral	10 µg/kg bw/day

Sodium 2-ethylhexanoate

Duration:	Route of exposure:	DNEL:
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Long term – Systemic effects - General population	Dermal	1 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	2 mg/kg bw/day
Long term – Systemic effects - General population	Inhalation	3.5 mg/m ³
Long term – Systemic effects - Workers	Inhalation	14 mg/m ³
Long term – Systemic effects - General population	Oral	1 mg/kg bw/day

PNEC

ethanediol;ethylene glycol

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		10 mg/L
Freshwater sediment		37 mg/kg
Intermittent release (freshwater)		10 mg/L
Intermittent release (marine water)		10 mg/L
Marine water		1 mg/L
Marine water sediment		3.7 mg/kg
Sewage treatment plant		199.5 mg/L
Soil		1.53 mg/kg

Methyl-1H-benzotriazole

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		8 µg/L
Freshwater sediment		117 µg/kg
Intermittent release (freshwater)		86 µg/L
Intermittent release (marine water)		53 µg/L
Marine water		20 µg/L
Marine water sediment		292 µg/kg
Sewage treatment plant		39.4 mg/L
Soil		18.7 µg/kg

Sodium 2-ethylhexanoate

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		360 µg/L
Freshwater sediment		301 µg/kg
Intermittent release (freshwater)		493 µg/L
Marine water		36 µg/L
Marine water sediment		30.1 µg/kg
Sewage treatment plant		71.7 mg/L
Soil		57.9 µg/kg

8.2. Exposure controls

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

Emissions from ventilation or process equipment should be checked to ensure compliance environmental protection legislation. In some cases there are steam cleaners, filters or mechanical changes to the processing equipment necessary to reduce emissions so that it is acceptable.

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:

Do not recirculate outlet air that contain the substances.

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:


Keep damming materials near the workplace. If possible, collect spillage during work.

Individual protection measures, such as personal protective equipment


Generally:

Use only CE marked protective equipment.


Respiratory Equipment:

Type	Class	Colour	Standards	
Full face mask with gas filter for organic vapors.				


Skin protection:

Recommended	Type/Category	Standards	
-	CE CAT III	EN 1149-1,2,3 EN 13034:2005+A1:2009 EN ISO 13982- 1:2004/A1:2010 EN ISO 6529:2013 EN ISO 6530:2005 EN ISO 13688:2013 EN 464:1994	

Hand protection:

Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
Nitrile/Neoprene/Butyl/Viton	0.38	>480	374	

Eye protection:

Type	Standards	
Safety glasses with side shields.	EN166	

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

<i>Physical state:</i>	Liquid
<i>Colour:</i>	Orange
<i>Odour / Odour threshold:</i>	Mild
<i>pH:</i>	8.65
<i>Density (g/cm³):</i>	1.113 (20 °C)
▼ <i>Kinematic viscosity:</i>	No data available.
<i>Particle characteristics:</i>	Does not apply to liquids.

Phase changes

<i>Melting point/Freezing point (°C):</i>	175
<i>Softening point/range (°C):</i>	Does not apply to liquids.
▼ <i>Boiling point (°C):</i>	No data available.
▼ <i>Vapour pressure:</i>	No data available.
▼ <i>Relative vapour density:</i>	No data available.
▼ <i>Decomposition temperature (°C):</i>	No data available.

Data on fire and explosion hazards

<i>Flash point (°C):</i>	122
<i>Flammability (°C):</i>	The material is ignitable.

<i>Auto-ignition temperature (°C):</i>	398 (1,2-etandiol (etýlenglýkol))
▼ <i>Lower and upper explosion limit (% v/v):</i>	No data available.

Solubility

<i>Solubility in water:</i>	Soluble
▼ <i>n-octanol/water coefficient (LogKow):</i>	No data available.
▼ <i>Solubility in fat (g/L):</i>	No data available.

9.2. Other information

<i>Other physical and chemical parameters:</i>	No data available.
▼ <i>Oxidizing properties:</i>	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".
Product is stable under normal conditions.

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

Do not expose to any forms of heat (e.g. solar radiation). May lead to excess pressure.
Contact with incompatible materials.

10.5. Incompatible materials

Strong acids

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10.6. ▼ Hazardous decomposition products

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

With heat increase: ketone, aldehyde.

SECTION 11: TOXICOLOGICAL INFORMATION

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

Information on likely exposure routes.

Inhalation In large quantities, spray/vapours can irritate the throat and respiratory tract and cause coughing.

Skin contact Prolonged or repeated contact may dry the skin and cause irritation.

Eye contact Direct contact with eyes may cause temporary irritation.

Ingestion Harmful if swallowed.

Ingestion of ethylene glycol can lead to nausea, vomiting, abdominal cramps, blindness, liver damage,

irritation, effects on reproduction, nerve damage, convulsions, pulmonary edema, effects on the heart and lungs

(metabolic acidosis), pneumonia and kidney failure which can cause death. Single lethal a dose for humans is about 100 ml. Inhalation of vapors or sprays in large quantities for a long time can also

cause toxicity.

Symptoms Cramps. Dizziness. Nausea, vomiting. Abdominal pain. Edema. Prolonged exposure can have chronic effects

▼ Acute toxicity

Product/substance	ethanediol;ethylene glycol
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	7712 mg/kg bw

Product/substance	ethanediol;ethylene glycol
Species:	Mouse
Route of exposure:	Dermal
Test:	LD50
Result:	>3500 mg/kg

Product/substance	ethanediol;ethylene glycol
Route of exposure:	Oral
Test:	LD50
Result:	1600 mg/kg

Product/substance	Methyl-1H-benzotriazole
Species:	Rabbit
Route of exposure:	Dermal
Test:	LD50
Result:	>2000 mg/kg
Other information:	Exposure time 24h

Product/substance	Methyl-1H-benzotriazole
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	720 mg/kg

Harmful if swallowed.

▼ Skin corrosion/irritation

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

▼ Serious eye damage/irritation

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

▼ Respiratory sensitisation

Product/substance	ethanediol;ethylene glycol
Species:	Rabbit
Result:	No adverse effect observed (not sensitising)

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

▼ Skin sensitisation

Product/substance	ethanediol;ethylene glycol
Species:	Guinea pig
Result:	No adverse effect observed (not sensitising)

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

▼ Germ cell mutagenicity

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

▼ Carcinogenicity

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

▼ Reproductive toxicity

Product/substance	Methyl-1H-benzotriazole
Test method:	OECD 414
Species:	Human
Test:	LOAEL
Result:	30 mg/kg bw/day
Conclusion:	Suspected of damaging the unborn child

May damage the unborn child.

Suspected of damaging fertility or the unborn child.

▼ STOT-single exposure

Product/substance	ethanediol;ethylene glycol
Test method:	OECD 408
Species:	Rat
Target organ:	Kidney
Duration:	16 weeks
Test:	OECD 408
Result:	NOEL: 150 mg/kg bw/day

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

STOT-repeated exposure

Product/substance	Methyl-1H-benzotriazole
Target organ:	Kidney

May cause damage to organs through prolonged or repeated exposure.

▼ Aspiration hazard

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

▼ Symptoms related to the physical, chemical and toxicological characteristics

Reproductive toxicity: This product contains teratogenic substances, which may produce anomalies and/or developmental defects to the human offspring. Adverse effects include: death, growth retardation, congenital disorders, delayed mental development, and functional disorders. This product contains reprotoxic substances, which may harm the

reproductive capacity. Adverse effects include: sterility, effects on the sexual function, lowered effective fertility and dysfunctional menstrual cycle.

Reproductive toxicity: This product contains teratogenic substances, which may produce anomalies and/or developmental defects to the human offspring. Adverse effects include: death, growth retardation, congenital disorders, delayed mental development, and functional disorders.

Neurotoxic effects: This product contains organic solvents, which may cause adverse effects to the nervous system. Symptoms of neurotoxicity include: loss of appetite, headache, dizziness, ringing in ears, tingling sensations of skin, sensitivity to the cold, cramps, difficulty in concentrating, tiredness, etc. Repeated exposure to solvents can result in the breaking down of the skin's natural fat layer and may result in an increased absorption potential of other hazardous substances at the area of exposure.

11.2. Information on other hazards

▼ Endocrine disrupting properties

Product/substance Methyl-1H-benzotriazole

Other information:

This product does not contain substances considered to have endocrine disrupting properties at levels of 0.1% or higher.

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

Other information

None known.

SECTION 12: ECOLOGICAL INFORMATION

12.1. ▼ Toxicity

Product/substance	ethanediol;ethylene glycol
Species:	Fish
Duration:	96 hours
Test:	LC50
Result:	72860 mg/L

Product/substance	ethanediol;ethylene glycol
Species:	Daphnia, Daphnia magna
Duration:	48 hours
Test:	EC50
Result:	>100 mg/L

Product/substance	Methyl-1H-benzotriazole
Species:	Fish, Danio rerio
Duration:	72 hours
Test:	LC50
Result:	180 mg/L

Product/substance	Methyl-1H-benzotriazole
Species:	Crustacean, Daphnia galeata

Duration:	48 hours
Test:	EC50
Result:	8.58 mg/L

Product/substance	Methyl-1H-benzotriazole
Species:	Crustacean, Arcartia tonsa
Duration:	48 hours
Test:	LC50
Result:	55 mg/L

Product/substance	Methyl-1H-benzotriazole
Species:	Algae, Pseudokirchneriella subcapitata
Duration:	72 hours
Test:	ECr50
Result:	75 mg/L

Product/substance	Methyl-1H-benzotriazole
Species:	Crustacean, Daphnia galeata
Duration:	21 days
Test:	EC10
Result:	0.4 mg/L

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

12.2. Persistence and degradability

Product/substance	ethanediol;ethylene glycol
Result:	90-100%
Conclusion:	Readily biodegradable
Test:	OECD 301 A

12.3. ▼ Bioaccumulative potential

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

12.4. ▼ Mobility in soil

ethanediol;ethylene glycol
LogKoc = -1.36, High mobility potential.

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 5 - Specific Target Organ Toxicity (STOT)/Aspiration Toxicity
 HP 6 - Acute toxicity
 HP 10 - Toxic for reproduction
 Dispose of contents/container to an approved waste disposal plant.
 Commission Regulation (EU) No 1357/2014 of 18 December 2014 on waste.

EWC code: 16 01 14*
 Antifreeze fluids containing dangerous substances

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 informat ion:
ADR/ADN/ RID	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Packing group

** Environmental hazards

▼ Additional information

Not dangerous goods according to ADR/ADN/RID, 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 and industrial use.
 People under the age of 18 shall not be exposed to this product.
 Pregnant women and women breastfeeding must not be exposed to this product. The risk, and possible technical precautions or

Demands for specific education:

SEVESO - Categories / dangerous substances:

Additional information:

Sources:

design of the workplace needed to eliminate exposure, must be considered.

No specific requirements.

Not applicable.

Tactile warning.

Council Directive 94/33/EC of 22 June 1994 on the protection of young people at work. Regulation on measures to increase safety and health at work of women who are pregnant, have recently given birth or are breast-feeding (931/2000), amended with 453/2016 Regulation.

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

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

H302, Harmful if swallowed.

H360D, May damage the unborn child.

H361d, Suspected of damaging the unborn child.

H373, May cause damage to organs through prolonged or repeated exposure.

H411, Toxic 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

The classification of the mixture in regard of health hazards is in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP).

The safety data sheet is validated by

MSV

▼ 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.



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

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: IS-en