

SAFETY DATA SHEET

Betsilan ADMIX

(liquid)
Waterproofing admixture

Date prepared: 2024

Revision date:

Version: 1

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name Betsilan ADMIX

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

Relevant identified uses *Industrial. Commercial. Concrete.*

Uses advised against *Not determined.*

1.3. Details of the Supplier of the Safety Data Sheet

Name of the manufacturer *SL Protection OÜ*
 Address *Vana-Narva mnt 30, Maardu, 74114 Harju maakond, Estonia*
 E-mail *info@slprotection.eu*
 Phone/fax *(+372) 55666174*

1.4. Emergency telephone number

Emergency telephone number *Estonian National Poisons Information Centre: 16662 (+372 794 3794 from abroad) / Emergency telephone number: 112*

Emergency telephone - §45 - (EC)1272/2008

Europe	112
Estonia	16662 (24/7)
Finland	0800 147 111 (call is free of charge) +358 9 471 977
Austria	+43 (0)1 406 43 43
Bulgaria	+359 2 9154 233 (24/7)
Croatia	+385 1 2348 342 (24/7)
Czech Republic	+420 224 919 293 +420 224 915 402
Denmark	+45 8212 12 12
France	+33 (0)1 45 42 59 59 (24/7)
Greece	+30 2107793777 (24/7)
Iceland	543 2222 (24/7)
Ireland	+353 1 809 21 66 (8am-10pm; 7 days a week)
Italy	Numero telefonico del centro antiveneni: 0039 02-66101029
Latvia	+371 67042473
Lithuania	+370 (85) 2362052
Netherlands	Nationaal Vergiftigingen Informatie Centrum (NVIC): +31 (0)88 755 8000

	Uitsluitend bestemd om professionele hulpverleners te informeren bij acute vergiftigingen
Norway	+47 22 59 13 00
Portugal	+351 800 250 250 (24/7)
Romania	+40213183606
Slovakia	+421 2 5477 4166
Slovenia	112
Spain	+34 91 562 04 20(24h/365 días), Únicamente para respuesta sanitaria en caso de urgencia
Sweden	+46 10 456 6700

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008:

Not a hazardous substance or mixture.

See Sections 11 and 12 for more detailed information on health effects and symptoms and environmental hazards.

Label element

Labelling according to Regulation (EC) No. 1272/2008:

No labeling according to GHS required.

EUH208 *Contains 3-(2-aminoethylamino) propyl trimethoxysilane, chloromethylisothiazolinone and methylisothiazolinone (3:1), 1,2-benzisothiazolone. May produce an allergic reaction.*

EUH210 *Safety data sheet available on request.*

Biocidal Products Regulation (528/2012)

Contains a 3:1 mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one as preservative for products during storage according to regulation (EC) No 528/2012 art. 58(3).

Other hazards

The product hydrolyses under formation of methanol (CAS-Nr. 67-56-1). Methanol is classified concerning both physical and health hazards. The hydrolysis rate and consequently the relevance for the hazard profile of the product is strongly dependent on the specific conditions. The product hydrolyses under formation of ethanol (CAS-Nr. 64-17-5). Ethanol is classified concerning both physical and health hazards. The hydrolysis rate and consequently the relevance for the hazard profile of the product is strongly dependent on the specific conditions.

Endocrine disrupting properties - human health:

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Endocrine disrupting properties - environment:

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances: *Not applicable*

Mixtures
Chemical characteristics: *Alkoxy silanes + siloxane + water*
Hazardous ingredients

Chemical name	Concentration	CAS-No.	EC-No.	REACH No.	Index-No.
alpha-isotridecyl- omega-hydroxy- polyglycoether INHA [1]	>=3 - <5 %	9043-30-5			
3-(2- Aminoethylamino)propyl trimethoxysilane INHA [1]	>=0,3 - <0,5 %	1760-24-3	217-164-6	01-2119970215-39	
1,2-benzisothiazol- 3(2H)-one INHA [1]	>=0,005 - <0,05 %	2634-33-5	220-120-9		613-088-00-6
Chloro-methyl- isothiazolin-one and methyl-isothiazolin-one (3:1 mix) INHA [1]	<0,0015 %	55965-84-9			613-167-00-5

Classification according to Regulation (EC) No. 1272/2008
Eye Dam. 1 / H318; Acute Tox. 4, oral / H302
Eye Dam. 1 / H318; Skin Sens. 1B / H317; STOT SE 3 / H335
>= 0,6 %: Eye Dam. 1 / H318
Aquatic Acute 1 / H400; Eye Dam. 1 / H318; Acute Tox. 4, oral / H302; Skin Sens. 1 / H317; Skin Irrit. 2 / H315;
Aquatic Chronic 2 / H411
M-Factor, Acute = 1
specific concentration limit: >= 0,05 %: Skin Sens. 1 / H317
Acute Tox. 3, oral / H301; Acute Tox. 2, dermal / H310; Acute Tox. 2, by inhalation / dust/mist / H330; Skin Corr. 1C / H314; Skin Sens. 1A / H317; Aquatic Acute 1 / H400; Aquatic Chronic 1 / H410; Eye Dam. 1 / H318
EUH071
M-Factor, Acute = 100
M-Factor, Chronic = 100
specific concentration limit:
>= 0,0015 %: Skin Sens. 1A / H317
0,06 - < 0,6 %: Eye Irrit. 2 / H319
0,06 - < 0,6 %: Skin Irrit. 2 / H315
>= 0,6 %: Skin Corr. 1C / H314
>= 0,6 %: Eye Dam. 1 / H318
Type: INHA: ingredient, VERU: impurity
REACH registered substances may be included as impurities. These do not necessarily require identified uses and exposure scenarios in the safety data sheet.
[1] = Hazardous or environmentally harmful substance; [2] = substance with a community workplace exposure limit;
[3] = PBT substance; [4] = vPvB substance; [5] = Endocrine disrupting properties.
This product does not contain substances of very high concern (Regulation (EC) No 1907/2006 (REACH), Article 57) in amounts above >= 0.1%.

4. FIRST AID MEASURES

Description of first aid measures

General advice	<i>In case of accident or if you feel unwell seek medical advice (show label or SDS where possible).</i>
Inhalation	<i>Keep the patient calm. If unconscious place in stable sideways position. If breathing stops, administer artificial respiration. Protect against loss of body heat. Seek medical advice immediately and clearly identify substance.</i>
Eye contact	<i>Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Remove contact lenses, if present and easy to do. In case of persistent discomfort: Consult an ophthalmologist.</i>
Skin contact	<i>Wash off immediately with soap and plenty of water. Remove contaminated or soaked clothing. If skin irritation persists, get medical attention.</i>
Ingestion	<i>Rinse the mouth with water. Drink plenty of water in small sips. Do not induce vomiting. Seek medical advice immediately and clearly identify substance.</i>

Most important symptoms and effects, both acute and delayed

Any relevant information can be found in other parts of this section.

Indication of any immediate medical attention and special treatment needed

Methanol (CAS 67-56-1) is readily and rapidly absorbed at all exposure routes and is toxic by all routes. Methanol may cause irritation of the mucosa, as well as nausea, vomiting, headaches, vertigo and visual disorders, including blindness (irreversible damage to the optic nerve), acidosis, spasms, narcosis and coma. There may be a delay in the onset of these effects after exposure. Further toxicology information in section 11 must be observed.

5. FIREFIGHTING MEASURES

Extinguishing media

Suitable extinguishing media *Not applicable.*

Unsuitable extinguishing media *Not applicable.*

Special hazards arising from the substance or mixture

Ambient fire may lead to hazardous fumes. Exposure to combustion products may be a health hazard! Hazardous combustion products: toxic and very toxic fumes.

Advice for firefighters**Special protective equipment and precautions for fire-fighters**

Use respiratory protection independent of recirculated air. Keep unprotected persons away.

General information: *Product does not burn. Use extinguishing measures appropriate to the source of the fire.*

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Secure the area. Wear personal protection equipment (see section 8). Keep unprotected persons away. Avoid contact with eyes and skin. Do not inhale

gases/vapours/aerosols. If material is released indicate risk of slipping. Do not walk through spilled material.

Methods and material for containment and cleaning up:

Take up mechanically and dispose of according to local/state/federal regulations. Do not flush away with water. For small amounts: Absorb with a neutral (non-acidic / non-basic) liquid binding material such as diatomaceous earth and dispose of according to government regulations. For large amounts: Liquids may be recovered using suction devices or pumps. If flammable, only air driven or properly rated electrical equipment should be used. Clean any slippery coating that remains using a detergent / soap solution or another biodegradable cleaner. Silicone fluids are slippery; spills are a safety hazard. Apply sand or other inert granular material to improve traction.

Environmental precautions: *Prevent material from entering surface waters, drains or sewers and soil. Close leak if possible, without risk. Contain any fluid that runs out using suitable material (e.g. earth). Retain contaminated water/extinguishing water. Dispose of in prescribed marked containers. Inform authorities if substance leaks into surface waters, sewerage or ground.*

Further information: *Exhaust vapours. Eliminate all sources of ignition. Consider explosion protection. Observe notes under section 7.*

Reference to other sections *See Section 1 for emergency telephone numbers.
See Section 5 for firefighting measures.
See Section 8 for appropriate personal protective equipment.
See Section 12 for ecological information.
See Section 13 for further information on waste disposal.*

7. HANDLING AND STORAGE

Precautions for safe handling

General information: *Always stir well before use.*

Safe handling advice: *Ensure adequate ventilation. Must be syphoned off in situ. Avoid formation of aerosols. In case of aerosol formation special protective measures are required (exhausting by suction, respiratory protection). Spilled substance increases risk of slipping. Keep away from incompatible substances in accordance with section 10. Observe information in section 8.*

Precautions against fire and explosion:

Product may release ethanol and methanol. Flammable vapors may accumulate and form explosive mixtures with air in containers, process vessels, including partial, empty and uncleaned containers and vessels, or other enclosed spaces. Keep away from sources of ignition and do not smoke. Take precautionary measures against electrostatic charging. Cool endangered containers with water.

Conditions for safe storage, including any incompatibilities

Conditions for storage rooms and vessels: *Observe local/state/federal regulations.*

Advice for storage of incompatible materials: *Observe local/state/federal regulations.*

Further information for storage: *Store in a dry and cool place. Protect against sun. Protect against frost. Store container in a well ventilated place.*

Minimum temperature allowed during storage and transportation: *0 °C Do not allow this material to freeze.*

Maximum temperature allowed during storage and transportation: 40 °C

Specific end use(s) *No data available.*

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

Maximum airborne concentrations at the workplace:

Substance	Type	mg/m ³	ppm
Ethanol	OEL	1920,0	1000,0
Methanol	OEL	266,0	200,0
Methanol	EU	260,0	200,0

Exposure controls

Exposure in the work place limited and controlled

General protection and hygiene measures:

Observe standard industrial hygiene practices for the handling of chemical substances. Avoid contact with eyes and skin. Preventive skin protection recommended. Remove contaminated, soaked clothing immediately. Clean work areas regularly. Provide emergency shower and eye-bath. Do not inhale gases/vapours/aerosols. Use with adequate ventilation. Do not eat, drink or smoke when handling.

Further information for system design and engineering measures

Observe information in section 7. Observe national regulatory requirements.

Individual protection measures, such as personal protective equipment

Respiratory Protection:

*In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit. Suitable respiratory equipment: Respirator with a full face mask, according to acknowledged standards such as EN 136.
Recommended Filter type: Combined filter type ABEK-P2 (certain inorganic, organic and acidic gases and vapors; ammonia/amines; particles), according to acknowledged standards such as EN 14387
If inhalative exposure above the occupational exposure limit cannot be excluded, adequate respiratory protection equipment must be used. Suitable respiratory equipment: Respirator with a full face mask, according to acknowledged standards such as EN 136.
Recommended Filter type: Gas filter type ABEK (certain inorganic, organic and acidic gases and vapors; ammonia/amines), according to acknowledged standards such as EN 14387.
Observe the equipment manufacturer's information and wear time limits for respirators.*

Eye/face protection:

Safety glasses

Hand Protection:

*Use of protective gloves is recommended when handling the material, according to recognized standards such as EN374.
Recommended glove types: Protective gloves made of nitrile rubber thickness of the material: > 0,4 mm.
Breakthrough time: > 10-30 min
Recommended glove types: Protective gloves made of butyl rubber thickness of the material: > 0,3 mm.
Breakthrough time: > 480 min*

Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the

danger of cuts, abrasion, and the contact time. Note that, due to the numerous external influences (such as temperature), a chemically resistant protective glove in daily use may have a service life that is considerably shorter than the measured break through time.

Skin protection: *Chemical protective clothing, full-body liquid-tight protection if necessary. Please observe the instructions regarding permeability time which are provided by the supplier.*

Hygiene measures: *When using, do not eat, drink or smoke. Wash face and/or hands before break and end of work. Immediately remove contaminated clothing. Wash contaminated clothing before re-use.*

Exposure to the environment limited and controlled
Prevent material from entering surface waters, drains or sewers and soil.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	<i>Liquid</i>
Form	<i>Emulsion</i>
Colour	<i>Yellowish, white dark</i>
Odour	<i>Faint</i>
Odour threshold	<i>N/A</i>
Melting point:	<i>-1 °C @ 1013 hPa</i>
Boiling Point:	<i>100°C @ 1013 hPa</i>
Upper/lower limit on flammability or explosive limits	
Explosive limit - upper:	<i>No data available.</i>
Explosive limit - lower:	<i>No data available.</i>
Flash Point:	<i>73 °C</i>
Auto-ignition temperature:	<i>395 °C</i>
Decomposition Temperature:	<i>No data available.</i>
pH:	<i>8 (100%)</i>
Kinematic viscosity:	<i>N/A</i>
Dynamic viscosity:	<i>12 mPa @ 25 °C</i>
Solubility in Water:	<i>Completely miscible</i>
Partition coefficient (n-octanol/water):	<i>N/A</i>
Vapor pressure:	<i>23 hPa @20 °C</i>
Density:	<i>0.95 g/cm³ @20 °C</i>
Relative vapor density:	<i>N/A</i>
Particle Size Distribution:	<i>N/A</i>
Other information:	<i>Explosion Limits: Explosion limits for released ethanol: 3.5 - 15%(V). Explosion limits for released methanol: 5.5 - 44%(V).</i>

Property:

Sustained combustibility	> 100 °C
Evaporation rate	N/A
Molecular weight	N/A

10. STABILITY AND REACTIVITY

Reactivity	<i>No dangerous reaction known under conditions of normal use.</i>
Chemical stability	<i>Stable under the recommended storage and handling conditions.</i>
Explosion data	
Possibility of hazardous reactions	<i>None under normal processing.</i>
Conditions to avoid	<i>Heat, open flames, and other sources of ignition.</i>
Incompatible materials	<i>Reacts with: basic substances and acids. The reaction takes place with the formation of ethanol and methanol.</i>
Hazardous decomposition products	<i>Ethanol and methanol in case of hydrolysis. The following applies for the silicone content of the substance: Measurements have shown the formation of small amounts of formaldehyde at temperatures above about 150 °C through oxidation.</i>

11. TOXICOLOGICAL INFORMATION

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

General information

Data derived for the product as a whole are of higher priority than data for single ingredients.

Acute toxicity

Product Information

Exposure routes	Result/Effect
Oral	LD50 > 2000 mg/kg The assessment is made under consideration of relevant data on ingredients. Species: Rat, Source: Conclusion by analogy

Eye contact	<i>Based on the available data a clinically relevant eye irritation hazard is not expected.</i>
Skin contact	<i>For this endpoint no toxicological test data is available for the whole product.</i>
Respiratory or skin sensitisation	<i>For this endpoint no toxicological test data is available for the whole product.</i>
Germ cell mutagenicity	<i>For this endpoint no toxicological test data is available for the whole product.</i>
Carcinogenicity	<i>For this endpoint no toxicological test data is available for the whole product.</i>
Reproductive toxicity	<i>For this endpoint no toxicological test data is available for the whole product.</i>
Specific target organ toxicity - single exposure	<i>For this endpoint no toxicological test data is available for the whole product.</i>

Specific target organ toxicity - repeated exposure

For this endpoint no toxicological test data is available for the whole product.

Aspiration hazard

For this endpoint no toxicological test data is available for the whole product.

Other hazards**Endocrine disrupting properties**

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Further toxicological information *None known.*

Data on substances:

Product of hydrolysis (Ethanol): *Ethanol (CAS no. 64-17-5) is readily absorbed at all exposure routes. Ethanol may cause irritation of eyes and mucosa, trigger dysfunction of the central nervous system and cause nausea as well as dizziness. Chronic exposure to high amounts of ethanol may cause damage to liver and central nervous system.*

Product of hydrolysis (Methanol) *Methanol (CAS no. 67-56-1) is readily and rapidly absorbed at all exposure routes and is toxic by all routes. Methanol may cause irritation of the mucosa, as well as nausea, vomiting, headaches, vertigo and visual disorders, including blindness (irreversible damage to the optic nerve), acidosis, spasms, narcosis and coma. There may be a delay in the onset of these effects after exposure.*

12. ECOLOGICAL INFORMATION

Toxicity: *For the product as a whole, no test data is available. According to current knowledge adverse effects on water purification plants are not expected.*

Persistence and degradability

Silicone content: biologically not degradable. Elimination by adsorption to activated sludge. The hydrolysis product (Ethanol) is readily biologically degradable. The product of hydrolysis (methanol) is readily biodegradable.

Product of hydrolysis (Ethanol): Ethanol is readily biodegradable.

Product of hydrolysis (Methanol): Methanol is readily biodegradable.

Bioaccumulative potential *Bioaccumulation is not expected to occur.*

Mobility in soil *No data known.*

Results of PBT and vPvB assessment *N/A*

Endocrine disrupting properties

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Other adverse effects: *None known.*

13. DISPOSAL CONSIDERATIONS

Waste treatment methods
Material

Material that cannot be used, reprocessed or recycled should be disposed of in accordance with Federal, State, and local regulations at an approved facility. Depending on the regulations, waste treatment methods may include, e.g., landfill or incineration.

Uncleaned packaging

Completely discharge containers (no tear drops, no powder rest, scraped carefully). Containers may be recycled or re-used. Observe local/state/federal regulations. Uncleaned packaging should be treated with the same precautions as the material.

Waste Disposal Legislation Ref.No.(EC)

It is not possible to determine a waste code for this product in accordance with the European Waste Catalogue (EWC) since it is only possible to classify it according to how it is used by the customer. The waste code is to be determined within the EU in liaison with the waste-disposal operator.

14. TRANSPORT INFORMATION

Road ADR: *Not regulated for transport*

Rail RID: *Not regulated for transport*

Transport by sea IMDG-Code: *Not regulated for transport.*

Air transport ICAO-TI/IATA-DGR: *Not regulated for transport.*

Environmental hazards *Hazardous to the environment: no*

Special precautions for user *Relevant information in other sections has to be considered.*

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Bulk transport in tankers is not intended.

15. REGULATORY INFORMATION
Safety, health and environmental regulations/legislation specific for the substance or mixture

*National and local regulations must be observed.
For information on labelling please refer to section 2 of this document.*

Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances (Seveso III): *N/A*

Relevant regulations:

SI 2002/1689: CHIP Regulations 2002

SI 2002/2677: COSHH Regulations 2002

SI 1999/3242: Management of Health & Safety at Work Regulations 1999

Health & Safety at Work Act 1974

SI 1993/1643: Environmental Protection Act 1993 & Subsidiary Regulations.

Other national and local measures relating to the workplace, pollution control, environmental protection and waste control.

Other specifications, restrictions and prohibitions:

Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals: Not applicable.

Regulation (EU) 2019/1148 on the marketing and use of explosives precursors - ANNEX I. RESTRICTED EXPLOSIVES PRECURSORS: Not applicable.

Regulation (EU) 2019/1148 on the marketing and use of explosives precursors - ANNEX II. REPORTABLE EXPLOSIVES PRECURSORS: Not applicable.

Details of international registration status

Relevant information about individual substance inventories, where available, is given below.

- Australia: *AIIC (Australian Inventory of Industrial Chemicals):
This product is listed in, or complies with, the substance inventory.*
- China: *IECSC (Inventory of Existing Chemical Substances in China):
This product is listed in, or complies with, the substance inventory.*
- Canada: *DSL (Domestic Substance List):
This product is listed in, or complies with, the substance inventory.*
- Philippines: *PICCS (Philippine Inventory of Chemicals and Chemical Substances):
This product is listed in, or complies with, the substance inventory.*
- United States of America (USA): *TSCA (Toxic Substance Control Act Chemical Substance Inventory):
All components of this product are listed as active or are in compliance with the substance inventory.*
- Taiwan: *TCSI (Taiwan Chemical Substance Inventory):
This product is listed in, or complies with, the substance inventory. General note: The Taiwanese chemicals regulation requires a phase 1 registration for TCSI-listed or TCSI-compliant substances if imports to Taiwan or manufacturing in Taiwan exceed the trigger quantity of 100 kg/a (for mixtures to be calculated per each ingredient). It is the duty of the importing/manufacturing legal entity to take care of this obligation.*
- European Economic Area (EEA): *REACH (Regulation (EC) No 1907/2006):
General note: the registration obligations for substances imported into the EEA or manufactured within the EEA by the supplier mentioned in section 1 are fulfilled by the said supplier. The registration obligations for substances imported into the EEA by customers or other downstream users must be fulfilled by the latter.*
- South Korea (Republic of Korea): *AREC (Act on Registration and Evaluation of Chemicals; "K-REACH"):
Please approach your regular contact for more detailed information.*

Chemical safety assessment

Due to the results of the chemical safety assessment, exposure scenarios and identified uses are not of relevance for this safety data sheet.

16. OTHER INFORMATION

Key or legend to abbreviations and acronyms used in the safety data sheet

ABEK - Multi-Range Filter A, B, E, K; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; APF - Assigned Protection Factor; CAS No. - Chemical Abstracts Service Registry Number; DFG - German Research Foundation; DIN - German institute for standardization; DOC - Dissolved Organic Carbon; d/w - days per week; EC / CE / EG - European Community; EC50 / CE50 - Median effective concentration; ECHA - European Chemicals Agency; ED - endocrine disruptor; EG-RL - test method according to Regulation 440/2008; EN - European Standard; ERC - Environmental Release Category; g/cm³ - gram per cubic centimeter; h - hour(s); H-Code - hazard statement code(s); hPa - Hectopascal; IATA Regs - International Air Transport Association (IATA) Dangerous Goods Regulations; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 / CI50 - half maximal inhibitory concentration; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IMDG Code - International Maritime Dangerous Goods Code; ISO - International Organization for Standardization; LC50 / CL50 - medium lethal concentration; LD50 / DL50 - medium lethal dose; LOAEC - Lowest Observed Adverse Effect Concentration; LOAEL - Lowest Observed Adverse Effect Level; MARPOL - International Convention for the Prevention of Marine Pollution from Ships; mg/g - milligrams per gram; mg/kg - milligrams per kilogram; mg/l - milligrams per liter; mg/m³ - milligrams per cubic meter; min - minutes;

mJ - millijoule; mm - millimeter; mm²/s - square millimeter per second; mPa.s - Millipascal second(s); MSDS / SDB / SDS - safety data sheet; NOAEL - No Observed Adverse Effect Concentration; NOEL - No Observed adverse effect level; NOEC - No Observed Effect Concentration; NOEL - No Observed Effect Level; OECD - Organization for Economic Cooperation and Development; PBT - persistent, bioaccumulative, toxic; PC - product category; P-Code - precautionary statement code(s); ppm - parts per million; PROC - process category; RCP - reciprocal calculation-based procedure; RID - convention concerning international carriage by rail; SU - sector of use; SVHC - substance of very high concern; Vol% - volume percent; UN No. - United Nations Dangerous Goods Number; vPvB - very Persistent, very Bioaccumulative.

Other information:

This safety data sheet summarizes the best knowledge we have at the time of issuing this safety data sheet about the health and safety risks of the product, and in particular about the safe handling and use of the product in the workplace. As SL Protection OÜ cannot foresee or control the conditions under which the product is used, each user must use the safety data sheet before using the product to find out how the product must be handled and used at the workplace. If the user needs clarification or additional information about the product, he should contact our company. Our responsibility for the product being sold is set out in standard terms, a copy of which has been sent to our customers and is also available on request.

Explanation of the GHS classification code:

Eye Dam. 1; H318:	<i>Serious eye damage/eye irritation Category 1; Causes serious eye damage.</i>
Acute Tox. 4; H302:	<i>Acute toxicity Category 4; Harmful if swallowed.</i>
Eye Dam. 1; H318:	<i>Serious eye damage/eye irritation Category 1; Causes serious eye damage.</i>
Skin Sens. 1B; H317:	<i>Skin sensitisation Category 1B; May cause an allergic skin reaction.</i>
STOT SE 3; H335:	<i>Specific target organ toxicity - single exposure Category 3; May cause respiratory irritation.</i>
Aquatic Acute 1; H400:	<i>Short-term (acute) aquatic hazard Category 1; Very toxic to aquatic life.</i>
Eye Dam. 1; H318:	<i>Serious eye damage/eye irritation Category 1; Causes serious eye damage.</i>
Acute Tox. 4; H302:	<i>Acute toxicity Category 4; Harmful if swallowed.</i>
Skin Sens. 1; H317:	<i>Skin sensitisation Category 1; May cause an allergic skin reaction.</i>
Skin Irrit. 2; H315:	<i>Skin corrosion/irritation Category 2; Causes skin irritation.</i>
Aquatic Chronic 2; H411:	<i>Long-term (chronic) aquatic hazard Category 2; Toxic to aquatic life with long lasting effects.</i>
Acute Tox. 3; H301:	<i>Acute toxicity Category 3; Toxic if swallowed.</i>
Acute Tox. 2; H310:	<i>Acute toxicity Category 2; Fatal in contact with skin.</i>
Acute Tox. 2; H330:	<i>Acute toxicity Category 2; Fatal if inhaled.</i>
Skin Corr. 1C; H314:	<i>Skin corrosion/irritation Category 1C; Causes severe skin burns and eye damage.</i>
Skin Sens. 1A; H317:	<i>Skin sensitisation Category 1A; May cause an allergic skin reaction.</i>
Aquatic Acute 1; H400:	<i>Short-term (acute) aquatic hazard Category 1; Very toxic to aquatic life.</i>
Aquatic Chronic 1; H410:	<i>Long-term (chronic) aquatic hazard Category 1; Very toxic to aquatic life with long lasting effects.</i>
Eye Dam. 1; H318:	<i>Serious eye damage/eye irritation Category 1; Causes serious eye damage.</i>
EUH071:	<i>Corrosive to the respiratory tract.</i>

Further Information: *No data available.*

Revision date 2024

Contact person / technical support contact:

SL Protection OÜ

Phone: (+372) 55666174

E-mail: info@slprotection.eu

Limitation of liability

For general safety and handling information, please contact SL Protection OÜ. This information is based on our experiences and best knowledge. There is no guarantee for any recommendations or advice. We are not responsible for the completeness or accuracy of this information.