SAFETY DATA SHEET

FORSILICA

(liquid)

Water- based hydrophobic impregnate for concrete and plastered surfaces

Date prepared: 2024

Revision date:

Version: 1

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

1.1. Product identifier

Product name	Forsilica
Unique Formula Identifier (UFI)	KGKV-PKVV-JQ9Y-UW5Y
Pure substance/mixture	Mixture

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

Relevant identified uses	*Industrial, Building and construction work*
Uses advised against	*Use only in accordance with product specifications*

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 antiveleni: 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

Definition of product *Mixture*

Classification according to Regulation (EC) No 1272/2008 of the European Parliament and of the Council

Skin Irrit. 3, H315

Eye Dam. 2A, H318

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

Label element

Signal word *Danger*

Hazard statements *H314 - Causes severe skin burns and eye damage*

Precautionary statements - EU (§28, 1272/2008)

P260 - Do not breathe dust/fume/gas/mist/vapours/spray
P280 - Wear protective gloves/protective clothing/eye protection/face protection
P303 + P361 + P353 - IF ON SKIN (or hair): Remove/Take immediately all contaminated clothing. Rinse skin with water/shower.

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P310 - Immediately call a POISON CENTER or doctor/physician
P501 - Dispose of contents/ container to an approved waste disposal plant.

Additional information *This product requires tactile warnings if supplied to the general public.*
This product requires child resistant fastenings if supplied to the general public.

Supplemental label elements	*N/A*
Special packaging requirements	*N/A*
Child-resistant safety cap	*This product requires child resistant fastenings if supplied to the general public*
Embossed warning sign	*N/A*
Other hazards	*This product does not contain any known or suspected endocrine disruptors.*

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance name:	*Potassium Methylsilanetriolate*
CAS number:	*31795-24-1*
EC number:	*250-807-9*
REACH Registration No. :	*01-2119517439-34*
Concentration of the ingredient:	*50-100 %*

Classification of the ingredient according to Regulation (EC) No 1272/2008 of the European Parliament and of the Council:

Skin Irrit 2, H314
Eye Dam. 1, H318

Full text of H- and EUH-phrases: see section 16

Acute Toxicity Estimate *No information available*

This product does not contain candidate substances of very high concern at a concentration >=0.1% (Regulation (EC) No.1907/2006 (REACH), Article 59)

4. FIRST AID MEASURES

4.1. Description of first aid measures

General advice *Immediate medical attention is required. Show this safety data sheet to the doctor in attendance.*

Inhalation *Remove to fresh air. If breathing has stopped, give artificial respiration. Get med attention immediately. Do not use mouth-to-mouth method if victim ingested or inhaled the substance: give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. If breathing is difficult, (trained personnel should) give oxygen. Delayed pulmonary edema may occur. Get immediate medical attention.*

Eye contact *Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.*

Keep eye wide open while rinsing. Do not rub affected area. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical attention.

Skin contact *Wash off immediately with soap and plenty of water while removing all contaminated Clothes and shoes. Get immediate medical attention.*

Ingestion *Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. Get immediate medical attention.*

Self-protection of the first aider *Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent the spread of contamination. Avoid contact with skin, eyes or clothing. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Wear personal protective clothing (see section 8)*

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

Symptoms *Burning sensation.*

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

Note to doctors *Product is a corrosive material. Use of gastric lavage or emesis is contra-indicated. Possible perforation of stomach or esophagus should be investigated. Do not give Chemical antidotes. Asphyxia from glottal edema may occur. Marked decrease in blood pressure may occur with moist rales, frothy sputum, and high pulse pressure. Apply cortisone spray at early stage. Product is a corrosive material. Use of gastric lavage or emesis is contra-indicated. Possible perforation of stomach or esophagus should be investigated. Do not give chemical antidotes. Asphyxia from glottal edema may occur. Marked decrease in blood pressure may occur with moist rales, frothy sputum, and high pulse pressure.*

5. FIREFIGHTING MEASURES

Extinguishing media

Suitable extinguishing media *Carbon dioxide (CO2). Dry chemical. Alcohol resistant foam. Cool containers with flooding quantities of water until well after fire* is out

CAUTION: Use of water spray when fighting fire may be inefficient.

Unsuitable extinguishing media *Do not scatter spilled material with high pressure water streams.*

Special hazards arising from the substance or mixture

Special hazards arising from the chemical *The product causes burns of eyes, skin and mucous membranes. Thermal decomposition can lead to release of irritating gases and vapours.*

Hazardous combustion products *Carbon monoxide. Carbon dioxide (CO2).*

Advice for firefighters

Special protective equipment and precautions for fire-fighters

Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions *Attention! Corrosive material. Avoid contact with skin, eyes or clothing. Ensure Adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.*

Other information *Refer to protective measures listed in Sections 7 and 8.*

For emergency responders *Use personal protection recommended in Section 8.*

6.2. Environmental precautions

Environmental precautions *Prevent further leakage or spillage if safe to do so. Should not be released into the environment. Do not allow to enter into soil/subsoil. Prevent product from entering drains.*

6.3. Methods and material for containment and cleaning up

Methods for containment *Prevent further leakage or spillage if safe to do so.*

Methods for cleaning up *Use personal protective equipment as required. Soak up with inert absorbent material. Dam up. Pick up and transfer to properly labelled containers. Clean contaminated surface thoroughly.*

Prevention of secondary hazards *Clean contaminated objects and areas thoroughly observing environmental regulations.*

6.4. Reference to other sections

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

Advice on safe handling *Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. In case of insufficient ventilation, wear suitable respiratory equipment. Handle product only in closed system or provide appropriate exhaust ventilation. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash it before reuse.*

General hygiene considerations *Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing and gloves, including the inside, before re-use. Contaminated work clothing must not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product.*

Conditions for safe storage, including any incompatibilities

Storage Conditions *Keep containers tightly closed in a dry, cool and well-ventilated place. Protect from moisture. Store locked up. Keep out of the reach of children. Store away from other materials.*

Specific end use(s)

Risk Management Methods (RMM) *The information required is contained in this Material Safety Data Sheet.*

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

Exposure Limits *This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.*

Biological occupational exposure limits

This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies.

Derived No Effect Level (DNEL) *worker.*

Derived No Effect Level (DNEL)

Potassium Methylsilanetriolate *(31795-24-1)*

Type	*Long term*
Exposure route	*Dermal*

Derived No Effect Level (DNEL) *6.6 mg/kg bw/d*

Type *Long term*

Exposure route *Inhalation*

Derived No Effect Level (DNEL) 47 mg/m³

Derived No Effect Level (DNEL) - *Consumer*

Derived No Effect Level (*DNEL)*

Potassium Methylsilanetriolate *(31795-24-1)*

Type *Long term*

Exposure route *Inhalation*

Derived No Effect Level (DNEL) *47 mg/m³*

Derived No Effect Level (DNEL) - Consumer

Derived No Effect Level (DNEL)

Potassium Methylsilanetriolate (31795-24-1)

Type *Long term*

Exposure route *Inhalation*

Derived No Effect Level (DNEL) *10 mg/m³*

Type *Long term*

Exposure route *Dermal*

Derived No Effect Level (DNEL) *2.9 mg/kg bw/d*

Type *Long term*

Exposure route *Oral*

Derived No Effect Level (DNEL) *0.42 mg/kg bw/d*

Predicted No Effect Concentration (PNEC)

Predicted No Effect Concentration (PNEC)

Potassium Methylsilanetriolate (31795-24-1)

Environmental compartment *Freshwater*

Predicted No Effect Concentration (PNEC*)* *4.2 mg/l*

Environmental compartment Freshwater sediment

Predicted No Effect Concentration (PNEC) *3.3 mg/kg dry weight*

Environmental compartment *Marine water*

Predicted No Effect Concentration (PNEC)	*0.42 mg/l*
Environmental compartment	*Marine sediment*
Predicted No Effect Concentration (PNEC)	*3.3 mg/kg dry weight*
Environmental compartment	*Microorganisms in sewage treatment*
Predicted No Effect Concentration (PNEC)	>1 mg/l
Environmental compartment	Soil
Predicted No Effect Concentration (PNEC)	0.54 mg/l

Exposure controls

Engineering controls *Ensure adequate ventilation, especially in confined areas*

Personal Protective Equipment

Eye/face protection *Tight sealing safety goggles. Face protection shield.*

Hand protection *Gloves must conform to standard EN 374. Wear suitable gloves. Impervious gloves.*

	Gloves		
Duration of contact	PPE- Clove material	Glove thickness	Break through time
Long term (repeated)	Wear protective nitrile rubber gloves	>=0.4 mm	>=480 minutes

Skin and body protection *Wear suitable protective clothing. Long sleeved clothing. Chemical resistant apron.*

Respiratory protection *No protective equipment is needed under normal use conditions. If exposure limits are exceeded, or irritation is experienced, ventilation and evacuation may be required.*

General hygiene considerations *Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing and gloves, including the inside, before re-use. Contaminated work clothing must not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product.*

Environmental exposure controls *Local authorities should be advised if significant spillages cannot be*

contained.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	*Liquid*
Appearance	*N/A*
Colour	*Colourless*
Odour	*characteristic.*
Odour threshold	*N/A*
Property	**Values**
Melting point/freezing point	*approx. -85 °C*
Boiling point / boiling range	*approx. 100 °C*
Flammability (solid, gas)	*N/A*
Flammability Limit in Air	*None known*
Upper flammability limit:	*N/A*
Lower flammability limit	*N/A*
Flash Point	*N/A*
Autoignition Temperature	*> 600 °C*
Decomposition temperature	*None known*
pH	*13.5*
pH (as aqueous solution)	*N/A*
Kinematic viscosity	*N/A*
Dynamic viscosity	*approx. 17 mPa s @ 25°C*
Water solubility	*No data available 100.0 %*
Solubility(ies)	*N/A*
Partition coefficient	*N/A*
Vapour pressure	*N/A*
Relative Density	*approx. 1.400 g/cm3*
Bulk Density	*N/A*
Density	*N/A*
Vapour Density	*N/A*
Particle characteristics	
Particle Size	*N/A*
Particle Size Distribution	*N/A*

Other information

Information with regards to physical hazard classes	*N/A*
Other safety characteristics	*N/A*

10. STABILITY AND REACTIVITY

Reactivity	*No information available.*
Chemical stability	*Stable under the recommended storage and handling conditions.*
Explosion data	
Sensitivity to mechanical impact	*None.*
Sensitivity to static discharge	*None.*
Possibility of hazardous reactions	*None under normal processing.*
Conditions to avoid	*Exposure to air or moisture over prolonged periods.*
Incompatible materials	*Acids. Bases. Oxidising agent.*
Hazardous decomposition products	*Thermal decomposition can lead to release of irritating and toxic gases and vapours. Carbonmonoxide. Carbon dioxide (CO2).*

11. TOXICOLOGICAL INFORMATION

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

Information on likely routes of exposure

Product Information

Inhalation	*Specific test data for the substance or mixture is not available. Corrosive by inhalation. (based on components). Inhalation of corrosive fumes/gases may cause coughing, choking, headache, dizziness, and weakness for several hours. Pulmonary edema may occur with tightness in the chest, shortness of breath, bluish skin, decreased blood pressure, and increased heart rate. Inhaled corrosive substances can lead to a toxic edema of the lungs. Pulmonary edema can be fatal.*
Eye contact	*Specific test data for the substance or mixture is not available. Causes serious eye damage. (based on components). Corrosive to the eyes and may cause severe damage including blindness. May cause irreversible damage to eyes.*
Skin contact	*Specific test data for the substance or mixture is not available. Corrosive. (based on components). Causes burns.*
Ingestion	*Specific test data for the substance or mixture is not available. Causes burns. (based on components). Ingestion causes burns of the upper digestive and respiratory tracts. May cause severe burning pain in the mouth and stomach with vomiting and diarrhea of dark blood. Blood pressure may decrease. Brownish or yellowish stains may be seen around the mouth. Swelling of the throat may cause shortness of breath and choking. May cause lung damage if swallowed. May be fatal if swallowed and enters airways.*

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms *Redness. Burning. May cause blindness. Coughing and/ or wheezing.*

Numerical measures of toxicity

Acute toxicity
Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Potassium Methylsilanetriolate	approx. 2000 mg/kg	-	-

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation *Classification based on data available for ingredients. Causes severe skin burns and eye damage.*

Serious eye damage/eye irritation *Classification based on data available for ingredients. Causes serious eye damage. Causes burns.*

Respiratory or skin sensitisation *Based on available data, the classification criteria are not met.*

Germ cell mutagenicity *Based on available data, the classification criteria are not met.*

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

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

Information on other hazards

Endocrine disrupting properties

Endocrine disrupting properties *No information available.*

Other information
Other adverse effects *No information available.*

12. ECOLOGICAL INFORMATION

Toxicity

Ecotoxicity *Based on available data, the classification criteria are not met.*
Unknown aquatic toxicity *Contains 0 % of components with unknown hazards to the aquatic environment*

Potassium Methylsilanetriolate (31795-24-1)

Method	Species	Endpoint type	Effective dose	Exposure time	Results
	Brachydanio rerio	LC50	>500 mg/L	96 hours	
	Daphnia magna	EC50	>500 mg/L	48 hours	

	Daphnia magna	NOEC	>=100 mg/L	504 hours	
	Pseudokirchneriella subcapitata	EC50	>3.6 mg/L	72 hours	

Persistence and degradability

Persistence and degradability *Not readily biodegradable.*

Product Information

Biodegradation *No information available.*

BOD *No information available.*

ThCO2 *No information available.*

DOC *No information available.*

Bioaccumulative potential

Bioaccumulation (factor) *No information available*

Mobility in soil

Mobility in soil *No information available.*

Results of PBT and vPvB assessment

PBT and vPvB assessment

Chemical name	PBT and vPvB assessment
Potassium Methylsilanetriolate	The substance is not PBT / vPvB

Endocrine disrupting properties *No information available.*

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Waste from residues/unused products *Dispose of waste in accordance with environmental legislation. Dispose of in accordance with local regulations.*

Contaminated packaging *Contaminated packages must be completely emptied and can be re- used following proper cleaning. Clean IBCs or drums at approved facility. Packaging which cannot be properly cleaned must be disposed of. Handle contaminated packages in the same way as the product itself.*

OTHER INFORMATION *Waste codes should be assigned by the user based on the application for which the product was used.*

14. TRANSPORT INFORMATION

IATA

14.1 UN number or ID number	*UN3267*
14.2 UN proper shipping name	*Corrosive liquid, basic, organic, n.o.s.*
14.3 Transport hazard class(es)	*8*
14.4 Packing group	*II*
Description	*UN3267, Corrosive liquid, basic, organic, n.o.s. (Potassium Methylsilanetriolate), 8, II*
14.5 Environmental Hazard	*N/A*
14.6 Special precautions for user	
Special Provisions	*A3, A803*
ERG Code	*8L*
Limited quantity (LQ)	*0.5 L*

IMDG

14.1 UN number or ID number	*UN3267*
14.2 UN proper shipping name	*Corrosive liquid, basic, organic, n.o.s.*
14.3 Transport hazard class(es)	*8*
14.4 Packing group	*II*
Description	*UN3267, Corrosive liquid, basic, organic, n.o.s. (Potassium Methylsilanetriolate), 8, II*
14.5 Environmental Hazard	*N/A*
14.6 Special precautions for user	
Special Provisions	*274*
EmS-No	*F-A, S-B*
Limited quantity (LQ)	*1 L*
14.7 Maritime transport in bulk according to IMO instruments	*N/A*

RID

14.1 UN number or ID number	*UN3267*
14.2 UN proper shipping name	*Corrosive liquid, basic, organic, n.o.s.*
14.3 Transport hazard class(es)	*8*
14.4 Packing group	*II*
Description	*UN3267, CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (Potassium Methylsilanetriolate), 8, II*
14.5 Environmental Hazard	*N/A*
14.6 Special precautions for user	
Special Provisions	*274*
Classification code	*C7*
Limited quantity (LQ)	*1 L*

ADR

14.1 UN number or ID number	*UN3267*
14.2 UN proper shipping name	*Corrosive liquid, basic, organic, n.o.s.*
14.3 Transport hazard class(es)	*8*
14.4 Packing group	*II*
Description	*UN3267, Corrosive liquid, basic, organic, n.o.s. (Potassium Methylsilanetriolate), 8, II, (E)*
14.5 Environmental Hazard	*Not applicable*
14.6 Special precautions for user	
Special Provisions	*274*
Classification code	*C7*

Tunnel restriction code	*(E)*
ADR Hazard Id (Kemmler Number)	*80*
Limited quantity (LQ)	*1 L*

15. REGULATORY INFORMATION

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

National regulations

Germany

Water hazard class (WGK)	*slightly hazardous to water (WGK 1)*
Storage class	*8A*

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

Authorisations and/or restrictions on use:

This product does not contain substances subject to authorisation (Regulation (EC) No. 1907/2006 (REACH), Annex XIV) This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

Persistent Organic Pollutants	*Not applicable*
Ozone-depleting substances (ODS) regulation (EC) 1005/2009	*Not applicable*

International Inventories

TSCA	*Complies*
DSL/NDSL	*Contact supplier for inventory compliance status*
EINECS/ELINCS	*Complies*
ENCS	*Contact supplier for inventory compliance status*
IECSC	*Contact supplier for inventory compliance status*
KECL	*Contact supplier for inventory compliance status*
PICCS	*Contact supplier for inventory compliance status*
AICS	*Contact supplier for inventory compliance status*
NZIoC	*Contact supplier for inventory compliance status*
NECI	*Contact supplier for inventory compliance status*

Legend:
TSCA - *United States Toxic Substances Control Act Section 8(b) Inventory*
DSL/NDSL - *Canadian Domestic Substances List/Non-Domestic Substances List*
EINECS/ELINCS - *European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances*
ENCS - *Japan Existing and New Chemical Substances*
IECSC - *China Inventory of Existing Chemical Substances*
KECL - *Korean Existing and Evaluated Chemical Substances*
PICCS - *Philippines Inventory of Chemicals and Chemical Substances*
AIIC - *Australian Inventory of Industrial Chemicals*
NZIoC - *New Zealand Inventory of Chemicals*
NECI - *Taiwan National Existing Chemical Inventory*

Chemical safety assessment

Chemical Safety Report	*Chemical safety assessments for substances in this mixture were not carried out. For this substance a chemical safety assessment has not been carried out*

16. OTHER INFORMATION

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

Full text of H-Statements referred to under section 3

H314 - Causes severe skin burns and eye damage

H318 - Causes serious eye damage

Emergency telephone number

Czech Republic	+420 228 882 830 (NCEC 24/7)
Denmark	+45 8988 2286 (NCEC 24/7)
Finland	+358 9 7479 0199 (NCEC 24/7)
France	+33 1 72 11 00 03 (NCEC 24/7)
Germany	+49 89 220 61012 (NCEC 24/7)
Greece	+30 21 1198 3182 (NCEC 24/7)
Italy	+39 02 3604 2884 (NCEC 24/7)
Netherlands	+31 10 713 8195 (NCEC 24/7)
Norway	+47 2103 4452 (NCEC 24/7)
Poland	+48 22 307 3690 (NCEC 24/7)
Portugal	+351 30880 4750 (NCEC 24/7)
Spain	+34 91 114 2520 (NCEC 24/7)
Sweden	+46 8 566 42573 (NCEC 24/7)
Turkey	+90 212 375 5231 (NCEC 24/7)
Middle East	+973 1619 8321 (NCEC 24/7)
Middle East / Africa	+44 1235 239671 (NCEC 24/7)

Legend

SVHC: Substances of Very High Concern for Authorisation:

Legend SECTION 8: Exposure controls/personal protection

TWA	TWA (time- weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation

Classification procedure

Classification according to Regulation (EC) No. 1272/2008 [CLP]	Method Used
Acute oral toxicity	Calculation method

Acute dermal toxicity	Calculation method
Acute inhalation toxicity - gas	Calculation method
Acute inhalation toxicity - vapour	Calculation method
Acute inhalation toxicity - dust/mist	Calculation method
Skin corrosion/irritation	Calculation method
Serious eye damage/eye irritation	Calculation method
Respiratory sensitisation	Calculation method
Skin sensitisation	Calculation method
Mutagenicity	Calculation method
Carcinogenicity	Calculation method
Reproductive toxicity	Calculation method
STOT - single exposure	Calculation method
STOT - repeated exposure	Calculation method
Acute aquatic toxicity	Calculation method
Chronic aquatic toxicity	Calculation method
Aspiration hazard	Calculation method
Ozone	Calculation method

Key literature references and sources for data used to compile the SDS

Agency for Toxic Substances and Disease Registry (ATSDR)

U.S. Environmental Protection Agency ChemView Database

European Food Safety Authority (EFSA)

EPA (Environmental Protection Agency)

Acute Exposure Guideline Level(s) (AEGL(s))

U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act

U.S. Environmental Protection Agency High Production Volume Chemicals

Food Research Journal

Hazardous Substance Database

International Uniform Chemical Information Database (IUCLID)

Japan GHS Classification

Australian National Industrial Chemicals Notification and Assessment Scheme (NICNAS)

NIOSH (National Institute for Occupational Safety and Health)

National Library of Medicine's ChemID Plus (NLM CIP)

National Library of Medicine’s PubMed database (NLM PUBMED)

National Toxicology Program (NTP)

New Zealand's Chemical Classification and Information Database (CCID)

Organisation for Economic Co-operation and Development Environment, Health, and Safety Publications

Organisation for Economic Co-operation and Development High Production Volume Chemicals Programme

Organisation for Economic Co-operation and Development Screening Information Data Set

World Health Organization

Revision date 2024

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

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.