SAFETY DATA SHEET

Based upon Regulation (EC) No. 1907/2006, as amended by Regulation (EC) No. 453/2010

SILL420 / SILL440

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier:

Product name : SILL420 / SILL440
Registration number REACH : Not applicable (mixture)
Product type REACH : Mixture

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

1.2.1 Relevant identified uses

Binding agent
Coating
Paint
Surface treatment product

1.2.2 Uses advised against

No uses advised against known

1.3 Details of the supplier of the safety data sheet:

Supplier of the safety data sheet

SILMACO nv
Industrieweg 90
B-3620 Lanaken
☎ +32 89 73 02 22
🖷 +32 89 72 27 24
info@silmaco.com

1.4 Emergency telephone number:

During business hours, 8:00-17:00:
+32 89 73 02 22

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture:

Classified as dangerous according to the criteria of Regulation (EC) No 1272/2008

Class	Category	Hazard statements
Skin Corr.	category 1B	H314: Causes severe skin burns and eye damage.

2.2 Label elements:

Contains: lithium hydroxide, monohydrate.

Signal word Danger

H-statements

H314 Causes severe skin burns and eye damage.

P-statements

P280 Wear protective gloves, protective clothing and eye protection/face protection.
P260 Do not breathe vapours/mist.
P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P303 + P361 + P353 IF ON SKIN (or hair): Take off 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/doctor.

2.3 Other hazards:

No other hazards known

SECTION 3: Composition/information on ingredients

3.1 Substances:

Not applicable

3.2 Mixtures:

Name REACH Registration No	CAS No EC No	Conc. (C)	Classification according to CLP	Note	Remark
silicon dioxide 01-2119379499-16-xxxx	7631-86-9 231-545-4	15%<C<25%		(2)	Constituent
lithium hydroxide, monohydrate 01-2119560576-31-xxxx	1310-66-3	5%≤C<10%	Acute Tox. 4; H302 Skin Corr. 1B; H314	(1)(2)	Constituent

(1) For H-statements in full: see heading 16
(2) Substance with a Community workplace exposure limit

SECTION 4: First aid measures

4.1 Description of first aid measures:

General:

Check the vital functions. Unconscious: maintain adequate airway and respiration. Respiratory arrest: artificial respiration or oxygen. Cardiac arrest: perform resuscitation. Victim conscious with laboured breathing: half-seated. Victim in shock: on his back with legs slightly raised. Vomiting: prevent asphyxia/aspiration pneumonia. Prevent cooling by covering the victim (no warming up). Keep watching the victim. Give psychological aid. Keep the victim calm, avoid physical strain. Depending on the victim's condition: doctor/hospital.

After inhalation:

Remove the victim into fresh air. Respiratory problems: consult a doctor/medical service.

After skin contact:

Wash immediately with lots of water (15 minutes)/shower. Remove clothing while washing. Do not remove clothing if it sticks to the skin. Cover wounds with sterile bandage. If burned surface > 10%: take victim to hospital.

After eye contact:

Rinse immediately with plenty of water for 15 minutes. Do not apply neutralizing agents. Take victim to an ophthalmologist.

After ingestion:

Rinse mouth with water. Do not induce vomiting. Do not give activated charcoal. Do not give chemical antidote. Immediately consult a doctor/medical service.

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

4.2.1 Acute symptoms

After inhalation:

No effects known.

After skin contact:

Caustic burns/corrosion of the skin.

After eye contact:

Corrosion of the eye tissue.

After ingestion:

Vomiting. Burns to the gastric/intestinal mucosa. Possible esophageal perforation.

4.2.2 Delayed symptoms

No effects known.

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

If applicable and available it will be listed below.

SECTION 5: Firefighting measures

5.1 Extinguishing media:

5.1.1 Suitable extinguishing media:

Adapt extinguishing media to the environment.

5.1.2 Unsuitable extinguishing media:

No unsuitable extinguishing media known.

5.2 Special hazards arising from the substance or mixture:

5.3 Advice for firefighters:

5.3.1 Instructions:

Dilute toxic gases with water spray. Take account of toxic/corrosive precipitation water. Take account of toxic/corrosive precipitation water.

5.3.2 Special protective equipment for fire-fighters:

Gloves. Face-shield. Corrosion-proof suit. Large spills/in enclosed spaces: gas-tight suit. Large spills/in enclosed spaces: compressed air apparatus. Heat/fire exposure: compressed air/oxygen apparatus.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

No naked flames. Large spills/in confined spaces: consider evacuation.

6.1.1 Protective equipment for non-emergency personnel

See heading 8.2

6.1.2 Protective equipment for emergency responders

Gloves. Face-shield. Corrosion-proof suit. Large spills/in enclosed spaces: gas-tight suit. Large spills/in enclosed spaces: compressed air apparatus.

Suitable protective clothing

See heading 8.2

6.2 Environmental precautions:

Contain released substance, pump into suitable containers. Plug the leak, cut off the supply. Dam up the liquid spill. Take account of toxic/corrosive precipitation water. Prevent soil and water pollution. Prevent spreading in sewers.

6.3 Methods and material for containment and cleaning up:

Take up liquid spill into absorbent material, e.g.: sand. Scoop absorbed substance into closing containers. Carefully collect the spill/leftovers. Clean contaminated surfaces with an excess of water. Take collected spill to manufacturer/competent authority. Wash clothing and equipment after handling.

6.4 Reference to other sections:

See heading 13.

SECTION 7: Handling and storage

The information in this section is a general description. If applicable and available, exposure scenarios are attached in annex. Always use the relevant exposure scenarios that correspond to your identified use.

7.1 Precautions for safe handling:

Keep away from naked flames/heat. Observe strict hygiene. Keep container tightly closed. Remove contaminated clothing immediately. Do not discharge the waste into the drain.

7.2 Conditions for safe storage, including any incompatibilities:

7.2.1 Safe storage requirements:

Storage temperature: <50 °C. Protect against frost. Keep locked up. Unauthorized persons are not admitted. Meet the legal requirements.

7.2.2 Keep away from:

Heat sources, (strong) acids, metals.

7.2.3 Suitable packaging material:

Steel, HDPE.

7.2.4 Non suitable packaging material:

Zinc, tin, aluminium, copper.

7.3 Specific end use(s):

If applicable and available, exposure scenarios are attached in annex. See information supplied by the manufacturer.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters:

8.1.1 Occupational exposure

a) Occupational exposure limit values

If limit values are applicable and available these will be listed below.

Belgium

Silices amorphes : silice fondue SiO2 (poussières alvéolaires)	Time-weighted average exposure limit 8 h	0.1 mg/m³
Silices amorphes : terre de diatomées, non calcinées (fraction inhalable)	Time-weighted average exposure limit 8 h	10 mg/m³
Silices amorphes : fumées (fraction alvéolaire)	Time-weighted average exposure limit 8 h	2 mg/m³

Germany

Kieselsäuren, amorphe	Time-weighted average exposure limit 8 h (TRGS 900)	4 mg/m³

UK

Silica, amorphous inhalable dust	Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005))	6 mg/m³

Silica, amorphous respirable dust	Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005))	2.4 mg/m³

b) National biological limit values

If limit values are applicable and available these will be listed below.

8.1.2 Sampling methods

If applicable and available it will be listed below.

Silica, Amorphous (Respirable)	NIOSH	7501

8.1.3 Applicable limit values when using the substance or mixture as intended

If limit values are applicable and available these will be listed below.

8.1.4 DNEL/PNEC values

DNEL - Workers

silicon dioxide

Effect level (DNEL/DMEL)	Type	Value	Remark
DNEL	Long-term systemic effects inhalation	4 mg/m³	

lithium hydroxide, monohydrate

Effect level (DNEL/DMEL)	Type	Value	Remark
DNEL	Long-term systemic effects inhalation	10 mg/m³	
	Acute systemic effects inhalation	30 mg/m³	
	Long-term systemic effects dermal	41.35 mg/kg bw/day	
	Acute systemic effects dermal	100 mg/kg bw/day	

DNEL - General population

lithium hydroxide, monohydrate

Effect level (DNEL/DMEL)	Type	Value	Remark
DNEL	Long-term systemic effects inhalation	6.21 mg/m³	
	Acute systemic effects inhalation	18.63 mg/m³	
	Long-term systemic effects dermal	41.35 mg/kg bw/day	
	Acute systemic effects dermal	50 mg/kg bw/day	
	Long-term systemic effects oral	4.13 mg/kg bw/day	
	Acute systemic effects oral	12.4 mg/kg bw/day	

PNEC

lithium hydroxide, monohydrate

Compartments	Value	Remark
Fresh water	2.3 mg/l	
Marine water	0.23 mg/l	
Aqua (intermittent releases)	0.344 mg/l	
STP	79.2 mg/l	
Fresh water sediment	9 mg/kg sediment dw	
Marine water sediment	0.9 mg/kg sediment dw	
Soil	0.45 mg/kg soil dw	

8.1.5 Control banding

If applicable and available it will be listed below.

8.2 Exposure controls:

The information in this section is a general description. If applicable and available, exposure scenarios are attached in annex. Always use the relevant exposure scenarios that correspond to your identified use.

8.2.1 Appropriate engineering controls

Keep away from naked flames/heat. Carry operations in the open/under local exhaust/ventilation or with respiratory protection.

8.2.2 Individual protection measures, such as personal protective equipment

Observe strict hygiene. Keep container tightly closed. Do not eat, drink or smoke during work.

a) Respiratory protection:

High gas/vapour concentration: gas mask with filter type B.

b) Hand protection:

Gloves.

- materials (good resistance)

PVC, latex, rubber.

c) Eye protection:

Face shield.

d) Skin protection:

Corrosion-proof clothing.

8.2.3 Environmental exposure controls:

See headings 6.2, 6.3 and 13

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties:

Physical form	Liquid
Odour	Odourless
Odour threshold	No data available
Colour	Colourless
Particle size	Not applicable (liquid)
Explosion limits	No data available
Flammability	Non combustible
Log Kow	Not applicable (mixture)
Dynamic viscosity	23 mPa.s ; 20 °C
Kinematic viscosity	No data available
Melting point	0 °C - 12 °C
Boiling point	100 °C
Flash point	No data available
Evaporation rate	No data available
Relative vapour density	No data available
Vapour pressure	23 hPa
Solubility	water ; soluble
Relative density	1.1 - 1.3
Decomposition temperature	No data available
Auto-ignition temperature	No data available
Explosive properties	No chemical group associated with explosive properties
Oxidising properties	No chemical group associated with oxidising properties
pH	10 - 12 ; 1 %

9.2 Other information:

Absolute density	1100 kg/m³ - 1300 kg/m³

SECTION 10: Stability and reactivity

10.1 Reactivity:

Substance has basic reaction.

10.2 Chemical stability:

No data available.

10.3 Possibility of hazardous reactions:

Reacts exothermically with (some) acids.

10.4 Conditions to avoid:

Keep away from naked flames/heat.

10.5 Incompatible materials:

(strong) acids, metals.

10.6 Hazardous decomposition products:

Reacts with (some) metals: release of highly flammable gases/vapours (hydrogen) with (increased) risk of fire/explosion.

SECTION 11: Toxicological information

11.1 Information on toxicological effects:

11.1.1 Test results

Acute toxicity

SILL420 / SILL440

No (test)data on the mixture available

silicon dioxide

Route of exposure	Parameter	Method	Value	Exposure time	Species	Value determination	Remark
Oral	LD50		> 10000 mg/kg		Rat		
Dermal	LD50		> 5000 mg/kg		Rabbit		

lithium hydroxide, monohydrate

Route of exposure	Parameter	Method	Value	Exposure time	Species	Value determination	Remark
Oral	LD50		368 mg/kg bw		Rat (female)	Experimental value	
Oral	LD50		491 mg/kg bw		Rat (male)	Experimental value	
Dermal	LD50	OECD 402	> 2000 mg/kg bw		Rat (male/female)	Read-across	
Inhalation (dust)	LC50	OECD 403	> 6.15 mg/l	4 h	Rat (male/female)	Experimental value	

Judgement is based on the relevant ingredients

Conclusion

Not classified for acute toxicity

Corrosion/irritation

SILL420 / SILL440

No (test)data on the mixture available

lithium hydroxide, monohydrate

Route of exposure	Result	Method	Exposure time	Time point	Species	Value determination	Remark
Eye	Serious eye damage; category 1					Literature study	
Not applicable (in vitro test)	Corrosive	In vitro skin irritation/corrosion				Experimental value	

Classification is based on the relevant ingredients

Conclusion

Causes severe skin burns and eye damage.

Respiratory or skin sensitisation

SILL420 / SILL440

No (test)data on the mixture available

lithium hydroxide, monohydrate

Route of exposure	Result	Method	Exposure time	Observation time point	Species	Value determination	Remark
Skin	Not sensitizing	OECD 406			Guinea pig (male/female)	Read-across	

Judgement is based on the relevant ingredients

Conclusion

Not classified as sensitizing for skin

Specific target organ toxicity

SILL420 / SILL440

No (test)data on the mixture available

lithium hydroxide, monohydrate

Route of exposure	Parameter	Method	Value	Organ	Effect	Exposure time	Species	Value determination
Oral	NOAEL		84 mg/kg bw/day		No effect	2 year(s)	Rat (female)	Read-across

Judgement is based on the relevant ingredients

Conclusion

Not classified for subchronic toxicity

Mutagenicity (in vitro)

SILL420 / SILL440

No (test)data on the mixture available

lithium hydroxide, monohydrate

Result	Method	Test substrate	Effect	Value determination
Negative	OECD 473	Human lymphocytes	No effect	Experimental value
Negative	OECD 476	Mouse (lymphoma L5178Y cells)	No effect	Experimental value
Negative	OECD 471	Bacteria (S.typhimurium)	No effect	Experimental value

Mutagenicity (in vivo)

SILL420 / SILL440

No (test)data on the mixture available

Carcinogenicity

SILL420 / SILL440

No (test)data on the mixture available

Reproductive toxicity

SILL420 / SILL440

No (test)data on the mixture available

lithium hydroxide, monohydrate

	Parameter	Method	Value	Exposure time	Species	Effect	Organ	Value determination
Developmental toxicity	NOAEL (P)	OECD 414	34.1 mg/kg bw/day	2 weeks (daily)	Rat (female)	Maternal toxicity		Read-across
	NOAEL (F1)	OECD 414	102 mg/kg bw/day	2 weeks (daily)	Rat (male/female)	Embryotoxicity		Read-across

Judgement is based on the relevant ingredients

Conclusion CMR

Not classified for carcinogenicity

Not classified for mutagenic or genotoxic toxicity

Not classified for reprotoxic or developmental toxicity

Toxicity other effects

SILL420 / SILL440

No (test)data on the mixture available

Chronic effects from short and long-term exposure

SILL420 / SILL440

No effects known.

SECTION 12: Ecological information

12.1 Toxicity:

SILL420 / SILL440

No (test)data on the mixture available

silicon dioxide

	Parameter	Method	Value	Duration	Species	Test design	Fresh/salt water	Value determination
Acute toxicity fishes	LC50		> 10000 mg/l	96 h	Brachydanio rerio			
Acute toxicity invertebrates	EC50		> 10000 mg/l	24 h	Daphnia magna			
Toxicity algae and other aquatic plants	EC50		440 mg/l	72 h	Selenastrum capricornutum			Growth rate

lithium hydroxide, monohydrate

	Parameter	Method	Value	Duration	Species	Test design	Fresh/salt water	Value determination
Acute toxicity fishes	LC50	OECD 203	109 mg/l	96 h	Danio rerio	Static system	Fresh water	Experimental value; Lethal
Acute toxicity invertebrates	EC50	OECD 202	33.5 mg/l	48 h	Daphnia magna	Static system	Fresh water	Calculated value; pH > 7
Toxicity algae and other aquatic plants	EC50	OECD 201	41.62 mg/l	72 h	Pseudokirchneriella subcapitata	Static system	Fresh water	Experimental value; Biomass
	EC50	OECD 201	153.44 mg/l	72 h	Pseudokirchneriella subcapitata	Static system	Fresh water	Experimental value; Growth rate
Long-term toxicity fish	NOEC	EPA OTS 797.1000	1.19 mg/l	26 day(s)	Pimephales promelas	Flow-through system	Fresh water	Calculated value
	LOEC	EPA OTS 797.1000	1.88 mg/l	26 day(s)	Pimephales promelas	Flow-through system	Fresh water	Calculated value
Long-term toxicity aquatic invertebrates	NOEC	OECD 211	4 mg/l	21 day(s)	Daphnia magna	Semi-static system	Fresh water	Experimental value; Reproduction
	LOEC	OECD 211	8 mg/l	21 day(s)	Daphnia magna	Semi-static system	Fresh water	Experimental value; Reproduction
Toxicity aquatic micro-organisms	EC10	OECD 209	138.8 mg/l	3 h	Activated sludge	Static system	Fresh water	Calculated value

Judgement of the mixture is based on the relevant ingredients

Conclusion

pH shift

Not classified as dangerous for the environment according to the criteria of Regulation (EC) No 1272/2008

12.2 Persistence and degradability:

Biodegradability: not applicable

12.3 Bioaccumulative potential:

SILL420 / SILL440

Log Kow

Method	Remark	Value	Temperature	Value determination
	Not applicable (mixture)			

silicon dioxide

Log Kow

Method	Remark	Value	Temperature	Value determination
	No data available			

lithium hydroxide, monohydrate

Log Kow

Method	Remark	Value	Temperature	Value determination
	No data available			

Conclusion

Not bioaccumulative

12.4 Mobility in soil:

No (test)data on mobility of the components available

12.5 Results of PBT and vPvB assessment:

The criteria of PBT and vPvB as listed in Annex XIII of Regulation (EC) No 1907/2006 do not apply to inorganic substances.

12.6 Other adverse effects:

SILL420 / SILL440

Global warming potential (GWP)

None of the known components is included in the list of fluorinated greenhouse gases (Regulation (EC) No 517/2014)

Ozone-depleting potential (ODP)

Not classified as dangerous for the ozone layer (Regulation (EC) No 1005/2009)

Ground water

Ground water pollutant

lithium hydroxide, monohydrate

Ground water

Ground water pollutant

SECTION 13: Disposal considerations

The information in this section is a general description. If applicable and available, exposure scenarios are attached in annex. Always use the relevant exposure scenarios that correspond to your identified use.

13.1 Waste treatment methods:

13.1.1 Provisions relating to waste

Waste material code (Directive 2008/98/EC, Decision 2000/0532/EC).
06 02 05* (wastes from the MFSU of bases: other bases). Depending on branch of industry and production process, also other waste codes may be applicable. Hazardous waste according to Directive 2008/98/EC.

13.1.2 Disposal methods

Recycle/reuse. Neutralize. Remove waste in accordance with local and/or national regulations. Hazardous waste shall not be mixed together with other waste. Different types of hazardous waste shall not be mixed together if this may entail a risk of pollution or create problems for the further management of the waste. Hazardous waste shall be managed responsibly. All entities that store, transport or handle hazardous waste shall take the necessary measures to prevent risks of pollution or damage to people or animals.

13.1.3 Packaging/Container

Waste material code packaging (Directive 2008/98/EC).
15 01 10* (packaging containing residues of or contaminated by dangerous substances).

SECTION 14: Transport information

Road (ADR)

14.1 UN number:

UN number	3266

14.2 UN proper shipping name:

Proper shipping name	Corrosive liquid, basic, inorganic, n.o.s. (lithium hydroxide, monohydrate)

14.3 Transport hazard class(es):

Hazard identification number	80
Class	8
Classification code	C5

14.4 Packing group:

Packing group	II
Labels	8

14.5 Environmental hazards:

Environmentally hazardous substance mark	no

14.6 Special precautions for user:

Special provisions	274
Limited quantities	Combination packagings: not more than 1 liter per inner packaging for liquids. A package shall not weigh more than 30 kg. (gross mass)

Rail (RID)

14.1 UN number:

UN number	3266

14.2 UN proper shipping name:

Proper shipping name	Corrosive liquid, basic, inorganic, n.o.s. (lithium hydroxide, monohydrate)

14.3 Transport hazard class(es):

Hazard identification number	80
Class	8
Classification code	C5

14.4 Packing group:

Packing group	II
Labels	8

14.5 Environmental hazards:

Environmentally hazardous substance mark	no

14.6 Special precautions for user:

Special provisions	274
Limited quantities	Combination packagings: not more than 1 liter per inner packaging for liquids. A package shall not weigh more than 30 kg. (gross mass)

Inland waterways (ADN)

14.1 UN number:

UN number	3266

14.2 UN proper shipping name:

Proper shipping name	Corrosive liquid, basic, inorganic, n.o.s. (lithium hydroxide, monohydrate)

14.3 Transport hazard class(es):

Class	8
Classification code	C5

14.4 Packing group:

Packing group	II
Labels	8

14.5 Environmental hazards:

Environmentally hazardous substance mark	no

14.6 Special precautions for user:

Special provisions	274
Limited quantities	Combination packagings: not more than 1 liter per inner packaging for liquids. A package shall not weigh more than 30 kg. (gross mass)

Sea (IMDG/IMSBC)

14.1 UN number:

UN number	3266

14.2 UN proper shipping name:

Proper shipping name	Corrosive liquid, basic, inorganic, n.o.s. (lithium hydroxide, monohydrate)

14.3 Transport hazard class(es):

Class	8

14.4 Packing group:

Packing group	II
Labels	8

14.5 Environmental hazards:

Marine pollutant	-
Environmentally hazardous substance mark	no

14.6 Special precautions for user:

Special provisions	274
Limited quantities	Combination packagings: not more than 1 liter per inner packaging for liquids. A package shall not weigh more than 30 kg. (gross mass)

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

Annex II of MARPOL 73/78	

Air (ICAO-TI/IATA-DGR)

14.1 UN number:

UN number	3266

14.2 UN proper shipping name:

Proper shipping name	Corrosive liquid, basic, inorganic, n.o.s. (lithium hydroxide, monohydrate)

14.3 Transport hazard class(es):

Class	8

14.4 Packing group:

Packing group	II
Labels	8

14.5 Environmental hazards:

Environmentally hazardous substance mark	no

14.6 Special precautions for user:

Special provisions	A3
Special provisions	A803
Passenger and cargo transport: limited quantities: maximum net quantity per packaging	0.5 L

SECTION 15: Regulatory information

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

European legislation:

VOC content Directive 2010/75/EU

VOC content	Remark
	Not applicable (inorganic)

National legislation The Netherlands

SILL420 / SILL440

Waste identification (the Netherlands)	LWCA (the Netherlands): KGA category 05
Waterbezwaarlijkheid	11

National legislation Germany

SILL420 / SILL440

WGK	1; Classification water polluting based on the components in compliance with Verwaltungsvorschrift wassergefährdender Stoffe (VwVwS) of 27 July 2005 (Anhang 4)

silicon dioxide

Schwangerschaft Gruppe	C
Schwangerschaft Gruppe	C
MAK 8-Stunden-Mittelwert mg/m³	Kieselsäuren, amorphe a) kolloidale amorphe Kieselsäure einschl. pyrogener Kieselsäure und im Naßverfahren hergestellter Kieselsäure (Fällungskieselssäure, Kieselgel) und ungebrannter Kieselgur; 4 mg/m³; gemessen als einatembare Fraktion (vgl. Abschn. Vd) S. 191)
	Kieselsäuren, amorphe b) Kieselglas, Kieselgut, Kieselrauch,gebrannte Kieselgur; 0.3 mg/m³; gemessen als alveolengängige Fraktion (vgl. Abschn. Vd) S. 191)

National legislation France

SILL420 / SILL440

No data available

National legislation Belgium

SILL420 / SILL440

No data available

Other relevant data

SILL420 / SILL440

No data available

silicon dioxide

IARC - classification	3; Silica

15.2 Chemical safety assessment:

No chemical safety assessment is required.

SECTION 16: Other information

Full text of any H-statements referred to under headings 2 and 3:

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

(*) = INTERNAL CLASSIFICATION BY BIG

PBT-substances = persistent, bioaccumulative and toxic substances

CLP (EU-GHS) Classification, labelling and packaging (Globally Harmonised System in Europe)

The information in this safety data sheet is based on data and samples provided to BIG. The sheet was written to the best of our ability and according to the state of knowledge at that time. The safety data sheet only constitutes a guideline for the safe handling, use, consumption, storage, transport and disposal of the substances/preparations/mixtures mentioned under point 1. New safety data sheets are written from time to time. Only the most recent versions may be used. Old versions must be destroyed. Unless indicated otherwise word for word on the safety data sheet, the information does not apply to substances/preparations/mixtures in purer form, mixed with other substances or in processes. The safety data sheet offers no quality specification for the substances/preparations/mixtures in question. Compliance with the instructions in this safety data sheet does not release the user from the obligation to take all measures dictated by common sense, regulations and recommendations or which are necessary and/or useful based on the real applicable circumstances. BIG does not guarantee the accuracy or exhaustiveness of the information provided and cannot be held liable for any changes by third parties. This safety data sheet is only to be used within the European Union, Switzerland, Iceland, Norway and Liechtenstein. Any use outside of this area is at your own risk. Use of this safety data sheet is subject to the licence and liability limiting conditions as stated in your BIG licence agreement or when this is failing the general conditions of BIG. All intellectual property rights to this sheet are the property of BIG and its distribution and reproduction are limited. Consult the mentioned agreement/conditions for details.