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

1.1. Product identifier

Mixture identification:

Trade name: ULTRACARE 5 SIDES SEALER

Trade code: 9007751

UFI: P9P1-50V9-6004-HYWH

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

Recommended use: Water-borne silicon based water-repellent agent

Uses advised against: Data not available.

1.3. Details of the supplier of the safety data sheet

Company: MAPEI U.K. Ltd - Mapei House Steel Park Road
Halesowen - West Midlands B62 8HD

phone: +44(0)121 508 6970 - fax: +44(0)121 5086 960 - www.mapei.co.uk (office hour 8:30-17:30)

Responsable: sicurezza@mapei.it

1.4. Emergency telephone number

call NHS 111 or a doctor/OHES Environmental Ltd +44(0)333 333 9962

SECTION 2: Hazards identification



2.1. Classification of the substance or mixture

Regulation (EC) n. 1272/2008 (CLP)

Skin Corr. 1A	Causes severe skin burns and eye damage.
Eye Dam. 1	Causes serious eye damage.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Regulation (EC) No 1272/2008 (CLP):

Hazard pictograms and Signal Word



Danger

Hazard statements

H314	Causes severe skin burns and eye damage.

Precautionary statements

P280	Wear protective gloves/clothing and eye/face protection.
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
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.
P501	Dispose of contents/container in accordance with applicable regulations.

Special Provisions:

EUH208	Contains 2,2',2"-(hexahydro-1,3,5-triazine-1,3,5-triyl)triethanol; 1,3,5-tris(2-hydroxyethyl)hexahydro-1,3,5-triazine. May produce an allergic reaction.
EUH208	Contains 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one. May produce an allergic reaction.

Contains

potassium methylsiliconate

Special provisions according to Annex XVII of REACH and subsequent amendments:

None.

2.3. Other hazards

No PBT, vPvB or endocrine disruptor substances present in concentration >= 0.1%

Other Hazards: No other hazards

SECTION 3: Composition/information on ingredients

3.1. Substances

Not Relevant

3.2. Mixtures

Mixture identification: ULTRACARE 5 SIDES SEALER

Hazardous components within the meaning of the CLP regulation and related classification:

Qty	Name	Ident. Numb.	Classification	Registration Number
≥3 - <5 %	potassium methylsiliconate	CAS:31795-24-1 EC:250-807-9	Skin Corr. 1A, H314	01-2119517439-34-XXXX
≥0.05 - <0.1 %	2,2',2"-(hexahydro-1,3,5-triazine-1,3,5-triyl)triethanol; 1,3,5-tris(2-hydroxyethyl)hexahydro-1,3,5-triazine	CAS:4719-04-4 EC:225-208-0 Index:613-114-00-6	Acute Tox. 4, H302; Skin Sens. 1, H317 Specific Concentration Limits: C ≥ 0,1%: Skin Sens. 1 H317	01-2119529226-41-XXXX
≥0.005 - <0.01 %	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one	CAS:2634-33-5 EC:220-120-9 Index:613-088-00-6	Acute Tox. 2, H330; Skin Irrit. 2, H315; Eye Dam. 1, H318; Skin Sens. 1A, H317; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Acute Tox. 4, H302, M-Chronic:1, M-Acute:1 Specific Concentration Limits: C ≥ 0,036%: Skin Sens. 1A H317 Acute Toxicity Estimate: ATE - Oral: 450mg/kg bw ATE - Inhalation (Dust/mist): 0.21mg/l	01-2120761540-60-XXXX
≥0.003 - <0.005 %	2-aminoethanol	CAS:141-43-5 EC:205-483-3 Index:603-030-00-8	Skin Corr. 1B, H314; STOT SE 3, H335; Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; Aquatic Chronic 3, H412 Specific Concentration Limits: 5% ≤ C < 100%: STOT SE 3 H335	01-2119486455-28-XXXX
≥0.0001 - <0.001 %	methanol	CAS:67-56-1 EC:200-659-6 Index:603-001-00-X	Flam. Liq. 2, H225; STOT SE 1, H370; Acute Tox. 3, H301; Acute Tox. 3, H331; Acute Tox. 3, H311 Specific Concentration Limits: 3% ≤ C < 10%: STOT SE 2 H371 10% ≤ C < 100%: STOT SE 1 H370	01-2119433307-44-XXXX

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

Immediately take off all contaminated clothing.

OBTAIN IMMEDIATE MEDICAL ATTENTION.

Remove contaminated clothing immediately and dispose of safely.

After contact with skin, wash immediately with soap and plenty of water.

In case of eyes contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an opthalmologist immediately.

Protect uninjured eye.

In case of Ingestion:

Do not induce vomiting, get medical attention showing the SDS and the hazard label.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

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

Eye irritation

Eye damages

Skin Irritation

Erythema

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

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Treatment:

(see paragraph 4.1)

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Water.

Carbon dioxide (CO_2).

Extinguishing media which must not be used for safety reasons:

None in particular.

5.2. Special hazards arising from the substance or mixture

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

5.3. Advice for firefighters

Use suitable breathing apparatus.

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non emergency personnel:

Wear personal protection equipment.

Remove persons to safety.

See protective measures under point 7 and 8.

For emergency responders:

Wear personal protection equipment.

6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Limit leakages with earth or sand.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

6.3. Methods and material for containment and cleaning up

Suitable material for taking up: absorbing material, organic, sand

Wash with plenty of water.

Retain contaminated washing water and dispose it.

6.4. Reference to other sections

See also section 8 and 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.

Don't use empty container before they have been cleaned.

Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.

Contaminated clothing should be changed before entering eating areas.

Do not eat or drink while working.

See also section 8 for recommended protective equipment.

Advice on general occupational hygiene:

7.2. Conditions for safe storage, including any incompatibilities

Keep away from food, drink and feed.

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Adequately ventilated premises.

7.3. Specific end use(s)

Recommendation(s)

None in particular

Industrial sector specific solutions:

None in particular

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Community Occupational Exposure Limits (OEL)

	OEL Type	Country	Occupational Exposure Limit
2-aminoethanol CAS: 141-43-5	National	NORWAY	Long Term: 2,5 mg/m3 - 1 ppm H E
	NDS		Long Term: 2,5 mg/m3
	NDSCh		Long Term: 7,5 mg/m3
	National	SWEDEN	Long Term: 8 mg/m3 - 3 ppm; Short Term: 15 mg/m3 - 6 ppm SWEDEN, Short-term value, 15 minutes average value
	National	FINLAND	Long Term: 2,5 mg/m3 - 1 ppm; Short Term: 7,6 mg/m3 - 3 ppm FINLAND, hud
	ACGIH		Long Term: 3 ppm; Short Term: 6 ppm Eye and skin irr
	DFG	GERMANY	Short Term: Ceiling - 0,51 mg/m3 - 0,2 ppm
	ACGIH		Long Term: 3 ppm; Short Term: 6 ppm eye and skin irritation
	National	DENMARK	Long Term: 2,5 mg/m3 - 1 ppm
	National	GERMANY	Long Term: 0,5 mg/m3 - 0,2 ppm
	National	PORTUGAL	Long Term: 2,5 mg/m3 - 1 ppm; Short Term: 7,6 mg/m3 - 3 ppm
	NDS	POLAND	Long Term: 2,5 mg/m3
	NDSCh	POLAND	Short Term: 7,5 mg/m3
	NDS	NETHERLANDS	Long Term: 2,5 mg/m3; Short Term: 7,6 mg/m3
	National	CZECH REPUBLIC	Long Term: 2,5 mg/m3
	National	HUNGARY	Long Term: 2,5 mg/m3; Short Term: 7,6 mg/m3
	National	CZECH REPUBLIC	Short Term: Ceiling - 7,5 mg/m3
	National	SLOVAKIA	Short Term: Ceiling - 7,6 mg/m3
	National	ROMANIA	Long Term: 2,5 mg/m3 - 1 ppm; Short Term: 7,6 mg/m3 - 3 ppm
	National	LITHUANIA	Long Term: 2,5 mg/m3 - 1 ppm; Short Term: 7,6 mg/m3 - 3 ppm
	ACGIH		Long Term: 3 ppm; Short Term: 6 ppm eye and skin irritation
	National	SWEDEN	Long Term: 2,5 mg/m3 - 1 ppm
	National	FRANCE	Long Term: 2,5 mg/m3 - 1 ppm; Short Term: 7,6 mg/m3 - 3 ppm
	National	SPAIN	Long Term: 2,5 mg/m3 - 1 ppm; Short Term: 7,5 mg/m3 - 3 ppm
	National	GREECE	Long Term: 2,5 mg/m3 - 1 ppm; Short Term: 7,6 mg/m3 - 3 ppm
	National	FINLAND	Long Term: 2,5 mg/m3 - 1 ppm; Short Term: 7,6 mg/m3 - 3 ppm
	National	NORWAY	Long Term: 2,5 mg/m3 - 1 ppm; Short Term: 5 mg/m3 - 2 ppm
	National	BELGIUM	Long Term: 2,5 mg/m3 - 1 ppm; Short Term: 7,6 mg/m3 - 3 ppm
	CHE	SWITZERLAND	Short Term: 10 mg/m3 - 4 ppm

	Malaysia OEL	MALAYSIA	Long Term: 7,5 mg/m3 - 3 ppm
	National	ESTONIA	Long Term: 2,5 mg/m3 - 1 ppm; Short Term: 7,6 mg/m3 - 3 ppm
	National	LATVIA	Long Term: 0,5 mg/m3 - 0,2 ppm; Short Term: 7,6 mg/m3 - 3 ppm
	National	SLOVAKIA	Long Term: 2,5 mg/m3 - 1 ppm
	National	SLOVENIA	Long Term: 2,5 mg/m3 - 1 ppm; Short Term: 7,6 mg/m3 - 3 ppm
	National	UNITED KINGDOM	Long Term: 2,5 mg/m3 - 1 ppm; Short Term: 7,6 mg/m3 - 3 ppm
	National	BULGARIA	Long Term: 2,5 mg/m3 - 1 ppm; Short Term: 7,6 mg/m3 - 3 ppm
	TUR	TURKEY	Long Term: 2,5 mg/m3 - 1 ppm; Short Term: 7,6 mg/m3 - 3 ppm
	National	CROATIA	Long Term: 2,5 mg/m3 - 1 ppm; Short Term: 7,6 mg/m3 - 3 ppm
	EU		Long Term: 2,5 mg/m3 - 1 ppm; Short Term: 7,6 mg/m3 - 3 ppm Skin
methanol CAS: 67-56-1	SUVA	SWITZERLAND	Long Term: 260 mg/m3 - 200 ppm; Short Term: 520 mg/m3 - 400 ppm R, SSc, B
	National	SWEDEN	Long Term: 250 mg/m3 - 200 ppm; Short Term: 350 mg/m3 - 250 ppm
	National	FINLAND	Long Term: 270 mg/m3 - 200 ppm; Short Term: 330 mg/m3 - 250 ppm FINLAND, hud
	National	NORWAY	Long Term: 130 mg/m3 - 100 ppm; Short Term: 520 mg/m3 - 400 ppm NORWAY, H
	NDS		Long Term: 100 mg/m3 - 200 ppm Skin
	NDSCh		Long Term: 300 mg/m3
	National	NORWAY	Long Term: 260 mg/m3
	ACGIH		Long Term: 260 mg/m3 - 200 ppm Skin, BEI - Headache, eye dam, dizziness, nausea
	DFG	GERMANY	Long Term: 260 mg/m3 - 200 ppm
	ACGIH		Long Term: 262 mg/m3 - 200 ppm
	National	SWEDEN	Long Term: 250 mg/m3 - 200 ppm
	EU	FRANCE	Long Term: 260 mg/m3 - 200 ppm
	National		Long Term: 260 mg/m3 - 200 ppm 200 ppm PEL;262 mg/m3 PEL
	National	SPAIN	Long Term: 266 mg/m3 - 200 ppm; Short Term: 325 mg/m3 - 250 ppm
	National	GREECE	Long Term: 260 mg/m3 - 200 ppm
	National	DENMARK	Long Term: 260 mg/m3 - 200 ppm; Short Term: 330 mg/m3 - 250 ppm
	National	FINLAND	Long Term: 270 mg/m3 - 200 ppm
	National	GERMANY	Long Term: 270 mg/m3 - 200 ppm; Short Term: 310 mg/m3 - 250 ppm
	National	PORTUGAL	Long Term: 260 mg/m3 - 200 ppm; Short Term: 162,5 mg/m3 - 250 ppm
	National	NORWAY	Long Term: 130 mg/m3 - 100 ppm; Short Term: 125 ppm
	National	BELGIUM	Long Term: 266 mg/m3 - 200 ppm; Short Term: 333 mg/m3 - 250 ppm
	NDS	POLAND	Long Term: 100 mg/m3 - 200 ppm; Short Term: 300 mg/m3 - 800 ppm
	NDSCh	POLAND	Long Term: 260 mg/m3
	CHE	SWITZERLAND	Long Term: 260 mg/m3 - 200 ppm
	NDS	NETHERLANDS	Long Term: 133 mg/m3 - 200 ppm
	National	CZECH REPUBLIC	Long Term: 250 mg/m3 - 200 ppm
	National	HUNGARY	Long Term: 260 mg/m3
	Malaysia OEL	MALAYSIA	Long Term: 262 mg/m3; Short Term: 350 mg/m3
	National	ESTONIA	Long Term: 250 mg/m3 - 200 ppm
	National	LATVIA	Short Term: Ceiling - 1000 mg/m3 - 250 ppm

National	CZECH REPUBLIC	Long Term: 260 mg/m3 - 200 ppm
National	SLOVAKIA	Short Term: 333 mg/m3
National	SLOVENIA	Long Term: 260 mg/m3 - 200 ppm
National	UNITED KINGDOM	Long Term: 266 mg/m3 - 200 ppm
National	BULGARIA	Long Term: 260 mg/m3 - 200 ppm; Short Term: 100 mg/m3 - 250 ppm
National	ROMANIA	Long Term: 260 mg/m3 - 200 ppm
TUR	TURKEY	Long Term: 260 mg/m3 - 200 ppm
National	LITHUANIA	Long Term: 260 mg/m3 - 200 ppm
National	CROATIA	Long Term: 260 mg/m3; Short Term: 328 mg/m3
National	SLOVENIA	Long Term: 260 mg/m3 - 200 ppm; Short Term: 1040 mg/m3 - 800 ppm
EU		Long Term: 260 mg/m3 - 200 ppm Skin

Biological limit values

methanol CAS: 67-56-1	Biological Indicator: Methyl alcohol; Sampling Period: End of turn Value: 15 mg/L; Medium: Urine Remark: Background; Not Specific

Predicted No Effect Concentration (PNEC) values

potassium methylsiliconate CAS: 31795-24-1	Exposure Route: Fresh Water; PNEC Limit: 4,2 mg/l
	Exposure Route: Marine water; PNEC Limit: 0,42 mg/l
	Exposure Route: Freshwater sediments; PNEC Limit: 3,3 mg/kg
	Exposure Route: Marine water sediments; PNEC Limit: 0,33 mg/kg
	Exposure Route: Intermittent release; PNEC Limit: 42 mg/l
	Exposure Route: Soil; PNEC Limit: 0,54 mg/kg
	Exposure Route: Microorganisms in sewage treatments; PNEC Limit: 10 mg/l
	Exposure Route: Food chain; PNEC Limit: 3,3 mg/kg
2-aminoethanol CAS: 141-43-5	Exposure Route: Fresh Water; PNEC Limit: 0,085 mg/l
	Exposure Route: Marine water; PNEC Limit: 0,0085 mg/l
	Exposure Route: Intermittent release; PNEC Limit: 0,025 mg/l
	Exposure Route: Freshwater sediments; PNEC Limit: 0,425 mg/kg
	Exposure Route: Marine water sediments; PNEC Limit: 0,0425 mg/kg
	Exposure Route: Soil; PNEC Limit: 0,035 mg/kg
	Exposure Route: Microorganisms in sewage treatments; PNEC Limit: 100 mg/l
methanol CAS: 67-56-1	Exposure Route: Fresh Water; PNEC Limit: 154 mg/l
	Exposure Route: Marine water; PNEC Limit: 15,4 mg/l
	Exposure Route: Freshwater sediments; PNEC Limit: 570,4 mg/kg
	Exposure Route: Soil; PNEC Limit: 23,5 mg/kg
	Exposure Route: Microorganisms in sewage treatments; PNEC Limit: 100 mg/l
	Exposure Route: Intermittent release; PNEC Limit: 1540 mg/l

Derived No Effect Level (DNEL) values

potassium methylsiliconate CAS: 31795-24-1	Exposure Route: Human Dermal; Exposure Frequency: Short Term, systemic effects Worker Industry: 6,6 mg/kg
	Exposure Route: Human Dermal; Exposure Frequency: Long Term, systemic effects Worker Industry: 6,6 mg/kg
	Exposure Route: Human Inhalation; Exposure Frequency: Short Term, systemic effects Worker Industry: 47 mg/m3
	Exposure Route: Human Inhalation; Exposure Frequency: Long Term, systemic effects Worker Industry: 47 mg/m3

	Exposure Route: Human Oral; Exposure Frequency: Long Term, systemic effects Consumer: 0,42 mg/kg Exposure Route: Human Dermal; Exposure Frequency: Short Term, systemic effects Consumer: 4 mg/kg Exposure Route: Human Dermal; Exposure Frequency: Long Term, systemic effects Consumer: 4 mg/kg Exposure Route: Human Inhalation; Exposure Frequency: Short Term, systemic effects Consumer: 10 mg/m3 Exposure Route: Human Inhalation; Exposure Frequency: Long Term, systemic effects Consumer: 10 mg/m3
methanol CAS: 67-56-1	Exposure Route: Human Dermal; Exposure Frequency: Short Term, systemic effects Worker Industry: 40 mg/kg; Consumer: 8 mg/kg Exposure Route: Human Inhalation; Exposure Frequency: Short Term, systemic effects Worker Industry: 260 mg/m3; Consumer: 50 mg/m3 Exposure Route: Human Inhalation; Exposure Frequency: Short Term, local effects Worker Industry: 260 mg/m3; Consumer: 50 mg/m3 Exposure Route: Human Dermal; Exposure Frequency: Long Term, systemic effects Worker Industry: 40 mg/kg; Consumer: 8 mg/kg Exposure Route: Human Inhalation; Exposure Frequency: Long Term, local effects Worker Industry: 260 mg/m3; Consumer: 50 mg/m3 Exposure Route: Human Inhalation; Exposure Frequency: Long Term, systemic effects Worker Industry: 260 mg/m3; Consumer: 50 mg/m3 Exposure Route: Human Oral; Exposure Frequency: Short Term, systemic effects Consumer: 8 mg/kg Exposure Route: Human Oral; Exposure Frequency: Long Term, systemic effects Consumer: 8 mg/kg

8.2. Exposure controls

Eye protection:

Use close fitting safety goggles, don't use contact lenses.

Protection for skin:

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

Protection for hands:

Suitable materials for safety gloves; EN ISO 374:

Polychloroprene - CR: thickness >=0,5mm; breakthrough time >=480min.

Nitrile rubber - NBR: thickness >=0,35mm; breakthrough time >=480min.

Butyl rubber - IIR: thickness >=0,5mm; breakthrough time >=480min.

Fluorinated rubber - FKM: thickness >=0,4mm; breakthrough time >=480min.

Neoprene gloves are suggested (0,5 mm) not recommended gloves: not waterproof gloves

Respiratory protection:

Personal Protective Equipment should comply with relevant CE standards (as EN ISO 374 for gloves and EN ISO 166 for goggles), correctly maintained and stored. Consult the supplier to check the suitability of equipment against specific chemicals and for user information.

Respiratory protection must be used where exposure levels exceed workplace exposure limits. Refer to appropriate EN standards, like EN 136, 140, 143, 149, 14387 for information on selection and use of appropriate respiratory protection equipment.

Hygienic and Technical measures

Not available

Appropriate engineering controls:

Not available

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: Liquid

Appearance: liquid

Colour: Colourless

Odour: Odourless

Odour threshold: Not available

Melting point/freezing point: Not available

Boiling point or initial boiling point and boiling range: 100 °C (212 °F)

Flammability: N.A.
Lower and upper explosion limit: Lower and upper explosion limit: Not available
Flash point: Not available
Auto-ignition temperature: Not available
Decomposition temperature: Not available
pH: 12.50
Viscosity: Not available
Kinematic viscosity: Not available
Solubility in water: dispersible
Solubility in oil: insoluble
Partition coefficient n-octanol/water (log value): Not available
Vapour pressure: Not available
Density and/or relative density: 1.04 g/cm3
Relative vapour density: Not available
Particle characteristics:
Particle size: Not available

9.2. Other information

Miscibility: Not available
Conductivity: Not available
Explosive properties: ==
No other relevant information

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions

10.2. Chemical stability

Stable under normal conditions

10.3. Possibility of hazardous reactions

None.

10.4. Conditions to avoid

Stable under normal conditions.

10.5. Incompatible materials

None in particular.

10.6. Hazardous decomposition products

None.

SECTION 11: Toxicological information

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

Toxicological Information of the Preparation

a) acute toxicity	Not classified
	Based on available data, the classification criteria are not met
b) skin corrosion/irritation	The product is classified: Skin Corr. 1A(H314)
c) serious eye damage/irritation	The product is classified: Eye Dam. 1(H318)
d) respiratory or skin sensitisation	Not classified
	Based on available data, the classification criteria are not met
e) germ cell mutagenicity	Not classified
	Based on available data, the classification criteria are not met
f) carcinogenicity	Not classified
	Based on available data, the classification criteria are not met
g) reproductive toxicity	Not classified
	Based on available data, the classification criteria are not met
h) STOT-single exposure	Not classified
	Based on available data, the classification criteria are not met
i) STOT-repeated exposure	Not classified
	Based on available data, the classification criteria are not met
j) aspiration hazard	Not classified
	Based on available data, the classification criteria are not met

Toxicological information on main components of the mixture:

potassium methylsiliconate	a) acute toxicity	LD50 Oral Rat 2000 mg/kg
		LD50 Skin Rabbit Positive
		NOAEL Rat 50 mg/kg
	e) germ cell mutagenicity	NOAEL Rat > 1000 mg/kg
	g) reproductive toxicity	NOAEL Rat > 1000 mg/kg
2,2',2"-(hexahydro-1,3,5-triazine-1,3,5-triyl)triethanol; 1,3,5-tris(2-hydroxyethyl)hexahydro-1,3,5-triazine	a) acute toxicity	LD50 Oral Rat = 1000 mg/kg
		LC50 Inhalation Mist Rat = 0,371 mg/l 4h
		LD50 Oral Rat = 763 mg/kg
1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one	a) acute toxicity	ATE - Oral : 450 mg/kg bw
		ATE - Inhalation (Dust/mist) : 0.21 mg/l
		LD50 Oral Rat = 670, mg/kg
2-aminoethanol	a) acute toxicity	LD50 Oral Rat 2100 mg/kg
		LD50 Skin Rabbit 1000 mg/kg
methanol	a) acute toxicity	LD50 Skin Rabbit > 17100, mg/kg

11.2. Information on other hazards

Endocrine disrupting properties:

No endocrine disruptor substances present in concentration >= 0.1%

SECTION 12: Ecological information

12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.

Eco-Toxicological Information:

List of Eco-Toxicological properties of the product

Not classified for environmental hazards.

Based on available data, the classification criteria are not met

List of Eco-Toxicological properties of the components

Component	Ident. Numb.	Ecotox Data
potassium methylsiliconate	CAS: 31795-24-1 - EINECS: 250-807-9	a) Aquatic acute toxicity : LC50 Fish > 500 mg/L 96h
		a) Aquatic acute toxicity : EC50 Daphnia > 100 mg/L 48h
		a) Aquatic acute toxicity : EC50 Algae > 120 mg/L 72h
2,2',2"-(hexahydro-1,3,5-triazine-1,3,5-triyl)triethanol; 1,3,5-tris(2-hydroxyethyl)hexahydro-1,3,5-triazine	CAS: 4719-04-4 - EINECS: 225-208-0 - INDEX: 613-114-00-6	a) Aquatic acute toxicity : LC50 Fish Danio rerio = 16,07 mg/L 96h ECHA
1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one	CAS: 2634-33-5 - EINECS: 220-120-9 - INDEX: 613-088-00-6	a) Aquatic acute toxicity : LC50 Fish = 2,15 mg/L
		b) Aquatic chronic toxicity : NOEC Algae = 0,0403 mg/L 72h
		b) Aquatic chronic toxicity : EC50 Algae = 0,11 mg/L 72h
		b) Aquatic chronic toxicity : EC10 Algae = 0,04 mg/L 72h
		b) Aquatic chronic toxicity : EC50 Daphnia = 3,27 mg/L 48h

		NOEC Daphnia = 1,2 mg/L 21d
2-aminoethanol	CAS: 141-43-5 - EINECS: 205-483-3 - INDEX: 603-030-00-8	a) Aquatic acute toxicity : EC50 Daphnia = 65 mg/L 48
		a) Aquatic acute toxicity : EC50 Algae = 22 mg/L 72
		a) Aquatic acute toxicity : LC50 Fish = 349 mg/L 96
		a) Aquatic acute toxicity : LC50 Fish Pimephales promelas = 227 mg/L 96h IUCLID
		a) Aquatic acute toxicity : LC50 Fish Brachydanio rerio = 3684 mg/L 96h IUCLID
		a) Aquatic acute toxicity : LC50 Fish Lepomis macrochirus 300 mg/L 96h EPA
		a) Aquatic acute toxicity : LC50 Fish Oncorhynchus mykiss 114 mg/L 96h EPA
		a) Aquatic acute toxicity : EC50 Algae Desmodesmus subspicatus = 15 mg/L 72h IUCLID
		b) Aquatic chronic toxicity : NOEC Daphnia = 0,85 mg/L
methanol	CAS: 67-56-1 - EINECS: 200-659-6 - INDEX: 603-001-00-X	a) Aquatic acute toxicity : LC50 Fish 15400 mg/L 96h
		b) Aquatic chronic toxicity : NOEC Fish = 450 mg/L

12.2. Persistence and degradability

Component	Persitence/Degradability:	Duration	Notes:
1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one	Readily biodegradable		
2-aminoethanol	Readily biodegradable	21d	>90%
methanol	Readily biodegradable		

12.3. Bioaccumulative potential

N.A.

12.4. Mobility in soil

N.A.

12.5. Results of PBT and vPvB assessment

No PBT, vPvB or endocrine disruptor substances present in concentration >= 0.1%

12.6. Endocrine disrupting properties

No endocrine disruptor substances present in concentration >= 0.1%

12.7. Other adverse effects

Not available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

The generation of waste should be avoided or minimized wherever possible. Recover if possible.

A waste code (EWC) according to European List of Waste (LoW) cannot be specified, due to dependence on the usage. Contact and send to an authorized waste disposal service.

Methods of disposal:

Disposal of this product, solutions, packaging and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

Dispose of surplus and nonrecyclable products via a licensed waste disposal contractor.

Do not dispose of waste into sewers.

Hazardous waste: Yes

Disposal considerations:

Do not allow to enter drains or watercourses.

Dispose of product according to all federal, state and local applicable regulations.

If this product is mixed with other wastes, the original waste product code may no longer apply and the appropriate code should be assigned.

Dispose of containers contaminated by the product in accordance with local or national legal provisions. For further information, contact your local waste authority.

Special precautions:

This material and its container must be disposed of in a safe way. Care should be taken when handling untreated empty containers.
Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
Empty containers or liners may retain some product residues. Do not re-use empty containers.

SECTION 14: Transport information

14.1. UN number or ID number

3267

14.2. UN proper shipping name

ADR-Shipping Name: CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (potassium methylsilanetriolate)
IATA-Shipping Name: CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (potassium methylsilanetriolate)
IMDG-Shipping Name: CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (potassium methylsilanetriolate)

14.3. Transport hazard class(es)

ADR-Class: 8
IATA-Class: 8
IMDG-Class: 8

14.4. Packing group

ADR-Packing Group: II
IATA-Packing group: II
IMDG-Packing group: II

14.5. Environmental hazards

Marine pollutant: No
Environmental Pollutant: No
IMDG-EMS: F-A, S-B

14.6. Special precautions for user

Road and Rail (ADR-RID):

ADR-Label: 8
ADR-Hazard identification number: 80
ADR-Special Provisions: 274
ADR-Transport category (Tunnel restriction code): 2 (E)
ADR-Limited Quantity threshold: 1 L

Air (IATA):

IATA-Passenger Aircraft: 851
IATA-Cargo Aircraft: 855
IATA-Label: 8
IATA-Subsidiary hazards: -
IATA-Erg: 8L
IATA-Special Provisions: A3 A803

Sea (IMDG):

IMDG-Stowage and handling: Category B SW2
IMDG-Segregation: SG35 SGG18
IMDG-Subsidiary hazards: -
IMDG-Special Provisions: 274
IMDG-EMS: F-A, S-B

14.7. Maritime transport in bulk according to IMO instruments

Not Applicable

SECTION 15: Regulatory information

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

Dir. 98/24/EC (Risks related to chemical agents at work)
Dir. 2000/39/EC (Occupational exposure limit values)
Regulation (EC) n. 1907/2006 (REACH)
Regulation (EU) n. 2020/878
Regulation (EC) n. 1272/2008 (CLP)
Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013
Regulation (EU) n. 286/2011 (ATP 2 CLP)
Regulation (EU) n. 618/2012 (ATP 3 CLP)
Regulation (EU) n. 487/2013 (ATP 4 CLP)
Regulation (EU) n. 944/2013 (ATP 5 CLP)
Regulation (EU) n. 605/2014 (ATP 6 CLP)
Regulation (EU) n. 2015/1221 (ATP 7 CLP)
Regulation (EU) n. 2016/918 (ATP 8 CLP)

Regulation (EU) n. 2016/1179 (ATP 9 CLP)
Regulation (EU) n. 2017/776 (ATP 10 CLP)
Regulation (EU) n. 2018/669 (ATP 11 CLP)
Regulation (EU) n. 2018/1480 (ATP 13 CLP)
Regulation (EU) n. 2019/521 (ATP 12 CLP)
Regulation (EU) n. 2020/217 (ATP 14 CLP)
Regulation (EU) n. 2020/1182 (ATP 15 CLP)
Regulation (EU) n. 2021/643 (ATP 16 CLP)
Regulation (EU) n. 2021/849 (ATP 17 CLP)
Regulation (EU) n. 2022/692 (ATP 18 CLP)
Regulation (EU) n. 2023/707
Regulation (EU) n. 2023/1434 (ATP 19 CLP)
Regulation (EU) n. 2023/1435 (ATP 20 CLP)
Regulation (EU) n. 2024/197 (ATP 21 CLP)
Regulation (EU) n. 2024/2564 (ATP 22 CLP)
Regulation (EU) n. 2024/2865
Regulation (EU) n. 2025/1222 (ATP 23 CLP)
Provisions related to directive EU 2012/18 (Seveso III):

None

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Restrictions related to the product: 3

Restrictions related to the substances contained: 40, 69, 75, 77

SVHC Substances:

SVHC substances not present in a concentration ≥ 0.1% (w/w)

German Water Hazard Class.

Class 1: slightly hazardous for water.

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for the mixture.

SECTION 16: Other information

Code	Description
H225	Highly flammable liquid and vapour.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H370	Causes damage to organs.
H371	May cause damage to organs.
H412	Harmful to aquatic life with long lasting effects.

Code	Hazard class and hazard category	Description
2.6/2	Flam. Liq. 2	Flammable liquid, Category 2
3.1/3/Dermal	Acute Tox. 3	Acute toxicity (dermal), Category 3
3.1/3/Inhal	Acute Tox. 3	Acute toxicity (inhalation), Category 3
3.1/3/Oral	Acute Tox. 3	Acute toxicity (oral), Category 3
3.1/4/Dermal	Acute Tox. 4	Acute toxicity (dermal), Category 4
3.1/4/Inhal	Acute Tox. 4	Acute toxicity (inhalation), Category 4
3.1/4/Oral	Acute Tox. 4	Acute toxicity (oral), Category 4
3.2/1A	Skin Corr. 1A	Skin corrosion, Category 1A
3.2/1B	Skin Corr. 1B	Skin corrosion, Category 1B
3.3/1	Eye Dam. 1	Serious eye damage, Category 1

3.8/1	STOT SE 1	Specific target organ toxicity — single exposure, Category 1
3.8/2	STOT SE 2	Specific target organ toxicity — single exposure, Category 2
3.8/3	STOT SE 3	Specific target organ toxicity — single exposure, Category 3
4.1/C3	Aquatic Chronic 3	Chronic (long term) aquatic hazard, category 3

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Classification according to Regulation (EC) Nr. 1272/2008	Classification procedure
Skin Corr. 1A, H314	On basis of test data (pH)
Eye Dam. 1, H318	On basis of test data (pH)

If appropriate, specific provisions in relation to possible training for workers are mentioned in section 2. Any training related to safety in the workplace must in any case refer to a risk assessment that must be carried out by a company safety officer taking into account the specific operating and environmental conditions in which the products are used.

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This SDS cancels and replaces any preceding release.

Legend to abbreviations and acronyms used in the safety data sheet:

ACGIH: American Conference of Governmental Industrial Hygienists

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

AND: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

ATE: Acute Toxicity Estimate

ATEmix: Acute toxicity Estimate (Mixtures)

BCF: Biological Concentration Factor

BEI: Biological Exposure Index

BOD: Biochemical Oxygen Demand

CAS: Chemical Abstracts Service (division of the American Chemical Society).

CAV: Poison Center

CE: European Community

CLP: Classification, Labeling, Packaging.

CMR: Carcinogenic, Mutagenic and Reprotoxic

COD: Chemical Oxygen Demand

COV: Volatile Organic Compound

CSA: Chemical Safety Assessment

CSR: Chemical Safety Report

DMEL: Derived Minimal Effect Level

DNEL: Derived No Effect Level.

DPD: Dangerous Preparations Directive

DSD: Dangerous Substances Directive

EC50: Half Maximal Effective Concentration

ECHA: European Chemicals Agency

EINECS: European Inventory of Existing Commercial Chemical Substances.

ES: Exposure Scenario

GefStoffVO: Ordinance on Hazardous Substances, Germany.

GHS: Globally Harmonized System of Classification and Labeling of Chemicals.

IARC: International Agency for Research on Cancer

IATA: International Air Transport Association.

IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).

IC50: half maximal inhibitory concentration

ICAO: International Civil Aviation Organization.

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).

IMDG: International Maritime Code for Dangerous Goods.

INCI: International Nomenclature of Cosmetic Ingredients.

IRCCS: Scientific Institute for Research, Hospitalization and Health Care

KAFH: KAFH

KSt: Explosion coefficient.

LC50: Lethal concentration, for 50 percent of test population.

LD50: Lethal dose, for 50 percent of test population.
LDLo: Leathal Dose Low
N.A.: Not Applicable
N/A: Not Applicable
N/D: Not defined/ Not available
NA: Not available
NIOSH: National Institute for Occupational Safety and Health
NOAEL: No Observed Adverse Effect Level
OSHA: Occupational Safety and Health Administration
PBT: Persistent, Bioaccumulative and Toxic
PGK: Packaging Instruction
PNEC: Predicted No Effect Concentration.
PSG: Passengers
RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.
STEL: Short Term Exposure limit.
STOT: Specific Target Organ Toxicity.
TLV: Threshold Limiting Value.
TWATLV: Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).
vPvB: Very Persistent, Very Bioaccumulative.
WGK: German Water Hazard Class.

Paragraphs modified from the previous revision:

- SECTION 2: Hazards identification
- SECTION 3: Composition/information on ingredients
- SECTION 5: Firefighting measures
- SECTION 6: Accidental release measures
- SECTION 7: Handling and storage
- SECTION 8: Exposure controls/personal protection
- SECTION 9: Physical and chemical properties
- SECTION 11: Toxicological information
- SECTION 12: Ecological information
- SECTION 14: Transport information
- SECTION 15: Regulatory information
- SECTION 16: Other information