SAFETY DATA SHEET

CONPROTECT SL 410

(liquid)

Water- based hydrophobic impregnate for mineral substrates

Date prepared: 2024

Revision date:

Version: 1

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

1.1. Product identifier

Product name ConProtect SL 410

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

Relevant identified uses *For industrial use. Waterproofing agent.*

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 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

The product has been classified according to the legislation in force.

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

Skin Irrit. 2, H315

Eye Dam. 2, H319

Skin Sens. 1, H317

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

Label element

Signal word *Warning*

Hazard statements *H315: Causes skin irritation.*

H317: May cause an allergic skin reaction.

H319: Causes serious eye irritation.

Precautionary statements

Prevention: *P261: Avoid breathing dust/fume/gas/mist/vapors/spray.*
P264: Wash face, hands and any exposed skin thoroughly after handling.
P280: Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response: *P302+P352: IF ON SKIN: Wash with plenty of soap and water.*
P333+P313: If skin irritation or rash occurs: Get medical advice/attention.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313: If eye irritation persists: Get medical advice/attention.

Disposal: *P501: Dispose of contents/ container to an approved facility in accordance with local, regional, national and international regulations.*

Hazardous ingredients which must be listed on the label:

Triethoxy(octyl)silane

Alcohols, C11-14-iso-, C13-rich, ethoxylated

2-Methyl-2H-isothiazol-3-one

Other hazards

PBT/vPvB data
This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Endocrine disrupting properties-Toxicity
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-Ecotoxicity
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

Mixtures

General information: *Aqueous preparation*

Chemical name	Concentration	CAS-No.	EC No.	REACH Registration No.	M-Factor:
Triethoxy(octyl)silane	>=20%	2943-75-1	220-941-2	01-2119972313-39	No data available.
Alcohols, C11-14-iso-, C13-rich, ethoxylated	1 - <3%	78330-21-9	616-609-5	-	Aquatic Toxicity (Acute): 1
2-Methyl-2H-isothiazol-3-one	0,0015 - <0,01%	2682-20-4	220-239-6	01-2120764690-50	Aquatic Toxicity (Acute): 10; Aquatic Toxicity (Chronic): 1
1,2-benzisothiazol-3(2H)-one	0,0015 - <0,01%	2634-33-5	220-120-9	01-2120761540-60	Aquatic Toxicity (Acute): 1

** All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.*

This substance has workplace exposure limit(s).
This substance is listed as SVHC.

Classification

Chemical name	Classification	Notes
Triethoxy(octyl)silane	Classification: Skin Irrit.: 2: H315; Supplemental label information: None known. Specific concentration limit: None known. Acute toxicity, oral: LD 50: > 5.110 mg/kg Acute toxicity, inhalation: None known. Acute toxicity, dermal: LD 50: 6.730 mg/kg	None.

Alcohols, C11-14-iso-, C13-rich, ethoxylated	Classification: Eye Dam.: 1: H318; Aquatic Acute: 1: H400; Aquatic Chronic: 3: H412; Supplemental label information: None known. Specific concentration limit: None known. Acute toxicity, oral: None known. Acute toxicity, inhalation: None known. Acute toxicity, dermal: None	None.
2-Methyl-2H-isothiazol-3-one	Classification: Acute Tox.: 3: H301; Acute Tox.: 3: H311; Acute Tox.: 2: H330; Skin Corr.: 1B: H314; Eye Dam.: 1: H318; Skin Sens.: 1A: H317 ; Aquatic Acute: 1: H400; Aquatic Chronic: 1: H410; Supplemental label information: EUH071; Specific concentration limit: Skin sensitizer Sub-category 1A, >= 0,0015 %; Acute toxicity, oral: LD 50: 120 mg/kg Acute toxicity, inhalation: LC 50: 0,11 mg/l Acute toxicity, dermal: LD 50: 242 mg/kg	None
1,2-benzisothiazol-3(2H)-one	Classification: Acute Tox.: 4: H302; Acute Tox.: 2: H330; Skin Irrit.: 2: H315; Eye Dam.: 1: H318; Skin Sens.: 1: H317; Aquatic Acute: 1: H400; Aquatic Chronic: 2: H411; Supplemental label information: None known. Specific concentration limit: Skin sensitizer Category 1, >= 0,05 %; Acute toxicity, oral: LD 50: 670 mg/kg Acute toxicity, inhalation: LC 50: 0,11 mg/l Acute toxicity, dermal: LD 50: > 2.000 mg/kg	None

CLP: Regulation No. 1272/2008.

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

4. FIRST AID MEASURES

4.1. Description of first aid measures

General advice *Immediately remove contaminated clothing.*

Inhalation *Following inhalation of aerosols or mist: Possible discomfort: irritation of mucous lining (nose, throat, eyes) cough, sneezing, flow of tears. Move to fresh air. Get medical attention if any discomfort continues.*

Eye contact *Keeping eyelid open, immediately rinse thoroughly for at least 5 minutes using plenty of water or, if necessary, eye rinsing solution. Consult an eye doctor (ophthalmologist).*

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Skin contact *Wash off immediately with plenty of water. Get medical attention if any discomfort continues.*

Ingestion *Have the mouth rinsed with water. Have patient drink plenty of water in small sips. Seek medical advice.*

Self-protection of the first aider No data available.

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

Symptoms *None known*

Hazards *None known*

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

Note to doctors *If required, therapy of irritative effect. If substance has been swallowed: Early endoscopy in order to assess mucosa lesions in the oesophagus and stomach which may appear. If necessary, aspirate leftover substance. Allergic reactions cannot be excluded. Treatment of allergic reaction if necessary.*

5. FIREFIGHTING MEASURES

Extinguishing media

Suitable extinguishing media *Water spray, foam, dry powder or carbon dioxide.*

Unsuitable extinguishing media *No data available.*

Special hazards arising from the substance or mixture

Special hazards arising from the chemical *Standard procedure for chemical fires.*

Advice for firefighters

Special fire fighting procedures *Water used to extinguish fire should not enter drainage systems, soil or stretches of water. Ensure there are sufficient retaining facilities for water used to extinguish fire. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.*

Special protective equipment and precautions for fire-fighters

In case of fire: wear a self contained respiratory apparatus.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions *Use personal protective equipment.*

Other information *No data available.*

For emergency responders *No data available.*

6.2. Environmental precautions

Environmental precautions *Do not allow entrance in sewage water, soil stretches of water, groundwater, drainage systems*

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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 *Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Transfer into suitable containers. To be disposed of in compliance with existing*

regulations.

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 8 for appropriate personal protective equipment.*

See Section 13 for further information on waste disposal.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling *Handle and open container with care. Handle in accordance with good industrial hygiene and safety practice. The personal protective equipment used must meet the requirements of Regulation (EU) 2016/425 and amendments (CE certification). If workplace exposure limits are exceeded and/or larger amounts are released (leakage, spilling, dust) the indicated respiratory protection should be used. If there is the possibility of skin/eye contact, the indicated hand/eye/body protection should be used. Do not breathe in vapours or aerosols. Avoid contact with skin and eyes.*

Conditions for safe storage, including any incompatibilities

Storage Conditions *Normal measures for preventive fire protection. Keep tightly sealed in original packing. Protect from frost. Keep containers tightly closed in a cool, well-ventilated place. Protect from frost. Keep at temperature not exceeding 40°C. Do not store together with: strong acids, bases.*

Specific end use(s) *Applications; see Section 1. No further information available*

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

Exposure Limits *None of the components have assigned exposure limits.*

Biological occupational exposure limits

No biological exposure limits noted for the ingredient(s).

DNEL-Values

Critical component	Type	Route of Exposure	Health Warnings	Remarks
Triethoxy(octyl)silane	General population	Oral	Systemic, long-term; 1,25 mg/kg	Repeated dose toxicity
	Workers	Inhalation	Systemic, long-term; 17,6 mg/m3	Repeated dose toxicity
	General population	Inhalation	Systemic, long-term; 4,3 mg/m3	Repeated dose toxicity
	Workers	Dermal	Systemic, long-term; 2,5 mg/kg	Repeated dose toxicity

	General population	Dermal	Systemic, long-term; 1,25 mg/kg	Repeated dose toxicity
	Workers	Eyes	Local effect;	No hazard identified
	General population	Eyes	Local effect;	No hazard identified
2-Methyl-2H-isothiazol-3-one	Workers	Inhalation	Local, long-term; 0,021 mg/m3	irritation respiratory tract
	Workers	Inhalation	Local, short-term; 0,043 mg/m3	irritation respiratory tract
	General population	Inhalation	Local, long-term; 0,021 mg/m3	irritation respiratory tract
	General population	Eyes	Local effect;	High hazard (no threshold derived)
	General population	Oral	Systemic, long-term; 0,027 mg/kg	Repeated dose toxicity
	General population	Oral	Systemic, short-term; 0,053 mg/kg	Repeated dose toxicity
	Workers	Eyes	Local effect;	High hazard (no threshold derived)
	General population	Inhalation	Local, short-term; 0,043 mg/m3	irritation respiratory tract
1,2-benzisothiazol-3(2H)-one	General population	Dermal	Systemic, long-term; 0,345 mg/kg	Repeated dose toxicity
	General population	Inhalation	Systemic, long-term; 1,2 mg/m3	Repeated dose toxicity
	Workers	Eyes	Local effect;	Medium hazard (no threshold derived)
	Workers	Dermal	Systemic, long-term; 0,966 mg/kg	Repeated dose toxicity
	Workers	Inhalation	Systemic, long-term; 6,81 mg/m3	Repeated dose toxicity
	General population	Eyes	Local effect;	Medium hazard (no threshold derived)

PNEC-Values

Critical component	Environmental compartment	PNEC-Values	Remarks
Triethoxy(octyl)silane	Predator	20 mg/kg	Oral
	Sediment (freshwater)	2,4 mg/kg	
	Sediment (marine water)	0,24 mg/kg	
	Soil	0,29 mg/kg	
	Sewage treatment plant	100 mg/l	
	Sediment (freshwater)	4,2 mg/kg	
	Aquatic (marine water)	0 mg/l	
	Aquatic (freshwater)	0,002 mg/l	
	Sediment (marine water)	0,42 mg/kg	
2-Methyl-2H-isothiazol-3-one	Aquatic (freshwater)	3,39 µg/l	
	Aquatic (marine water)	3,39 µg/l	
	Sewage treatment plant	0,23 mg/l	
	Soil	0,047 mg/kg	
1,2-benzisothiazol-3(2H)-one	Sediment (marine water)	4,99 µg/kg	
	Aquatic (marine water)	0,403 µg/l	
	Soil	3 mg/kg	
	Sewage treatment plant	1,03 mg/l	
	Sediment (freshwater)	4,99 µg/kg	
	Aquatic (freshwater)	4,03 µg/l	

Exposure controls Appropriate Engineering Controls: *Provide adequate ventilation.*

Individual protection measures, such as personal protective equipment

Eye/face protection: *Safety glasses*

Hand Protection: *Material: Butyl rubber.*

Break-through time: > 480 min

Glove thickness: 0,5 mm

Material: Fluorinated rubber (Viton) Break-through time: >= 480 min Glove thickness: 0,4 mm

Additional Information: Selection of protective gloves to meet the requirements of specific workplaces., The suitability for a specific workplace should be discussed with the producers of the protective gloves., The information is based on our own tests, references from the literature and information from glove manufacturers, or derived by analogy with similar materials., Be aware that in daily use the durability of a chemical resistant protective glove can be notably shorter than the break through time measured according to EN 374, due to the numerous outside influences (e.g. temperature).

Skin and body protection: *Suitable protective clothing - Use disposable clothing if appropriate.*

Respiratory protection: *In case of dusts/vapours/aerosols being formed or if the limit values like TLV are exceeded: use respiratory equipment with suitable filter (filter type ABEK) or wear a self contained respiratory apparatus Use only respiratory protection equipment with CE-symbol including four digit test number. The filter class for the respirator must be suitable for the maximum expected contaminant concentration (gas/vapor/aerosol/particulates) that may arise when handling the product. If this concentration is exceeded, self- contained breathing apparatus must be used. Note time limit for wearing respiratory protective equipment.*

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 reuse.*

Environmental controls: *See section 6.*

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	*Liquid*
Form:	*Liquid*
Colour	*White*
Odour	*Alcohol*
Odour threshold	*N/A*

Freezing point:	*Not applicable*
Boiling Point:	*Not applicable*
Flammability:	*No data available.*
Upper/lower limit on flammability or explosive limits	
Explosive limit - upper:	*No data available.*
Explosive limit - lower:	*No data available.*
Flash Point:	*> 65 °C Method: DIN EN ISO 2719*

Auto-ignition temperature:	*No data available.*
Decomposition Temperature:	*> 100 °C*
pH:	6 - 8 Method: DIN 38404-C5, 50 % 20 °C
Viscosity	
Dynamic viscosity:	*15 mPa.s 20 °C*
Kinematic viscosity:	*No data available.*
Flow Time:	*No data available.*

Solubility(ies)	
Solubility in Water:	*Miscible with water.*
Solubility (other):	*No data available.*
Dissolution Rate:	*No data available.*
Partition coefficient (n-octanol/water):	*No data available.*
Dispersion Stability:	*No data available.*
Vapor pressure:	*23 hPa 20 °C Water.*
Relative density:	*No data available.*
Density:	*Approximate 0,94 g/cm³ 20 °C*
Bulk density:	*No data available.*
Relative vapor density:	*No data available.*
Other information	
Peroxides:	*Not applicable.*
Metal Corrosion:	*Not to be expected in view of the structure.*

10. STABILITY AND REACTIVITY

Reactivity	*No dangerous reaction known under conditions of normal use.*
Chemical stability	*Stable under the recommended storage and handling conditions.*
Possibility of hazardous reactions	*No dangerous reactions known.*

Conditions to avoid *Protect from frost.*

Incompatible materials *Strong acids. Strong bases.*

Hazardous decomposition products *Ethanol in case of hydrolysis. Alcohol formed by hydrolysis lowers the flash point of the product*

11. TOXICOLOGICAL INFORMATION

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

Information on likely routes of exposure

Inhalation: *No data available.*

Skin Contact: *No data available.*

Eye contact: *No data available.*

Ingestion: *No data available.*

Acute toxicity (list all possible routes of exposure)

Oral

Product:	*Not classified for acute toxicity based on available data.*
Components:	
Triethoxy(octyl)silane	*LD 50, Rat, Female, Male, > 5.110 mg/kg, OECD 401*
Alcohols, C11-14-iso-, C13-rich, ethoxylated	*Not toxic after single exposure, No data available.*
2-Methyl-2H-isothiazol-3- one	*LD 50, Rat, Female, 120 mg/kg, EPA Method* *LD 50, Rat, Male, 232 - 249 mg/kg, EPA Method* *LD 50, Rat, Female, Male, 285,5 mg/kg, OECD 401*
1,2-benzisothiazol-3(2H)- one	*LD 50, Rat, Female, 247,2 mg/kg, OECD 401* *LD 50, Rat, Male, 327,7 mg/kg, OECD 401* *LD 50, Rat, Female, Male, 670 mg/kg, OECD 401*

Dermal

Product:	*Not classified for acute toxicity based on available data.*
Components:	
Triethoxy(octyl)silane	*LD 50, Rabbit, Male, 6.730 mg/kg, OECD 402*
	Alcohols, C11-14-iso-, C13-rich, ethoxylated

2-Methyl-2H-isothiazol-3- one	*Not toxic after single exposure, No data available.*
1,2-benzisothiazol-3(2H)- one	
	LD 50, Rat, Female, Male, 242 mg/kg, OECD 402
	LD 50, Rat, Female, Male, > 2.000 mg/kg, OECD 402
	Not toxic after single exposure, No classification

Inhalation

Product:	*Not classified for acute toxicity based on available data.*
Components:	
Triethoxy(octyl)silane	*Vapour, Not toxic after single exposure, No classification*
	Dust and mist, Not toxic after single exposure, Not applicable
Alcohols, C11-14-iso-, C13-rich, ethoxylated	*Not toxic after single exposure, Vapour, No data available.*
2-Methyl-2H-isothiazol-3- one	*Not toxic after single exposure, Dust and mist, No data available. LC 50, Rat, 4 h, 0,11 mg/l, Dust and mist, OECD 403*
1,2-benzisothiazol-3(2H)- one	*Corrosive to the respiratory tract., Corrosive to the respiratory tract. Vapour, Not toxic after single exposure, Not applicable.*
	LC 50, Rat, 4 h, 0,11 mg/l, Dust and mist, OECD 403
	Vapour, Not toxic after single exposure, Not applicable

Repeated dose toxicity

Product:	*No data available.*
Components:	
Triethoxy(octyl)silane	*NOAEL Rat, Female, Male, Oral, 90 d, 7 days a week, 250 mg/kg*
Alcohols, C11-14-iso-, C13-rich, ethoxylated	*No data available.*
2-Methyl-2H-isothiazol-3- one	*No data available.*
1,2-benzisothiazol-3(2H)- one	*No data available.*

Skin Corrosion/Irritation

Product:	*Irritating.*
Components:	
Triethoxy(octyl)silane	*Irritating., OECD 404, Rabbit*
Alcohols, C11-14-iso-,	*No data available.*
C13-rich, ethoxylated	
2-Methyl-2H-isothiazol-3- one	*Corrosive., OECD 404, Rabbit, < 1 h* *Corrosive., OECD 431, Human, reconstructed epidermis (RhE) model, < 1 h*
1,2-benzisothiazol-3(2H)- one	*Irritating, EPA OPP 81-5, Rabbit.*

Serious Eye Damage/Eye Irritation

Product:	*Irritating.*
Components:	
Triethoxy(octyl)silane	*Not irritating, OECD 405, Rabbit*
Alcohols, C11-14-iso-, C13-rich, ethoxylated	*Risk of serious damage to eyes, CESIO*
2-Methyl-2H-isothiazol-3- one	*Risk of serious damage to eyes.*
1,2-benzisothiazol-3(2H)- one	*Risk of serious damage to eyes, OECD 437, Bovine cornea one*

Respiratory or Skin Sensitization

Product:	*May cause sensitization by skin contact.*
Components:	
Triethoxy(octyl)silane	*Maximization Test, OECD 406, Guinea Pig, Not a skin sensitizer., (analogy)*
Alcohols, C11-14-iso-, C13-rich, ethoxylated	*No data available.*
2-Methyl-2H-isothiazol-3- one	*Buehler Test, OECD 406, Guinea Pig, Strong skin sensitizer. Local Lymph Node Assay (LLNA), OECD 429, Mouse, Strong skin sensitizer.*
1,2-benzisothiazol-3(2H)- one	*Maximization Test, US-EPA-method, Guinea Pig, May cause sensitization by skin contact.*

Carcinogenicity

Product:	*No data available.*
Components:	
Triethoxy(octyl)silane	*No evidence that cancer may be caused.*
Alcohols, C11-14-iso-, C13-rich, ethoxylated	*No data available.*
2-Methyl-2H-isothiazol-3-one	*No data available.*
1,2-benzisothiazol-3(2H)-one	*No data available.*

Carcinogenicity

Product:	*No data available.*
Components:	

Triethoxy(octyl)silane	*No evidence that cancer may be caused.*
Alcohols, C11-14-iso-, C13-rich, ethoxylated	*No data available.*
2-Methyl-2H-isothiazol-3-one	*No data available.*
1,2-benzisothiazol-3(2H)-one	*No data available.*

Germ Cell Mutagenicity

In vitro

Product: *No data available.*

Components:

Triethoxy(octyl)silane	*Ames test, OECD 471: , negative* *Chromosomal aberration, OECD 473: , negative* *gene mutation test, OECD 476: , negative*
Alcohols, C11-14-iso-, C13-rich, ethoxylated	*No data available.*
2-Methyl-2H-isothiazol-3-one	*gene mutation test, OECD 471: , negative* *Chromosomal aberration, OECD 473: , negative* *gene mutation test, OECD 476: , negative*
1,2-benzisothiazol-3(2H)-one	*gene mutation test, OECD 471: , negative* *Chromosomal aberration, OECD 473: , positive* *gene mutation test, OECD 476: , negative*

In vivo

Product: *No data available.*

Components:

Triethoxy(octyl)silane	*No data available.*
Alcohols, C11-14-iso-, C13-rich, ethoxylated	*No data available.*
2-Methyl-2H-isothiazol-3-one	*DNA damage and/or repair, OECD 486, Oral, Rat, Male, negative*
1,2-benzisothiazol-3(2H)-one	*DNA damage and/or repair, OECD 486, Oral, Rat, Male, negative*

Reproductive toxicity

Product: *No data available.*

Components:

Triethoxy(octyl)silane	*No evidence of reproductiontoxic properties*
Alcohols, C11-14-iso-, C13-rich, ethoxylated	*No data available.*
2-Methyl-2H-isothiazol-3-one	*No data available.*
1,2-benzisothiazol-3(2H)-one	*No data available.*

Specific Target Organ Toxicity - Single Exposure

Product: *No data available.*

Components:

Triethoxy(octyl)silane	*No data available.*
Alcohols, C11-14-iso-, C13-rich, ethoxylated	*No data available.*
2-Methyl-2H-isothiazol-3-one	*No data available.*
1,2-benzisothiazol-3(2H)-one	*No data available.*

Specific Target Organ Toxicity - Repeated Exposure

Product: *No data available.*

Components:

Triethoxy(octyl)silane	*No data available.*

Alcohols, C11-14-iso-, C13-rich, ethoxylated	*No data available.*
2-Methyl-2H-isothiazol -3- one	*No data available.*
1,2-benzisothiazol-3(2H)- one	*No data available.*

Aspiration Hazard

Product:	*No evidence of aspiration toxicity.*
Components:	
Triethoxy(octyl)silane	*Not classified*
Alcohols, C11-14-iso-, C13-rich, ethoxylated	*Not classified*
2-Methyl-2H-isothiazol-3- one	*Not applicable.*
1,2-benzisothiazol-3(2H)- one	*Not applicable.*

Information on other hazards

Endocrine disrupting properties

Product:	*The substance/mixture does not contain components considered to have disrupting properties according to REACH Article 57(f) or Commission Delegated (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.*
Components:	
Triethoxy(octyl)silane	*No data available.*
Alcohols, C11-14-iso-, C13-rich, Ethoxylated	*No data available.*
2-Methyl-2H-isothiazol-3- one	*No data available.*
1,2-benzisothiazol-3(2H)- one	*No data available.*

Other information

Product:	*No toxicological tests are available on the product.; The properties of this product which are hazardous to health have been calculated as per regulation (EC) No. 1272/2008. See section 2 "Hazards Identification".*

12. ECOLOGICAL INFORMATION

Toxicity

Acute hazards to the aquatic environment:

Fish	
Product:	*No data available.*
Components:	
Triethoxy(octyl)silane	*In the range of water solubility not toxic under test conditions.*
Alcohols, C11-14-iso-,	*No data available.*

C13-rich, ethoxylated	
2-Methyl-2H-isothiazol-3-one	*LC 50, Oncorhynchus mykiss, 96 h, 4,77 mg/l OECD 203*
1,2-benzisothiazol- 3(2H)-one	*LC 50, Oncorhynchus mykiss, 96 h, 2,15 mg/l OECD 203*

Aquatic Invertebrates

Product:	*No data available.*
Components:	
Triethoxy(octyl)silane	*In the range of water solubility not toxic under test conditions.*
Alcohols, C11-14-iso-, C13-rich, ethoxylated	*EC 50, Daphnia magna, 48 h, 0,934 mg/l OECD 202*
2-Methyl-2H-isothiazol-*3-one*	*NOEC, Daphnia magna, 48 h, 0,9 mg/l US-EPA-method EC 50, Daphnia magna, 48 h, 1,6 mg/l US-EPA-method*
1,2-benzisothiazol-3(2H)-one	*EC 50, Daphnia magna, 48 h, 2,9 mg/l OECD 202*

Toxicity to Aquatic Plants

Product:	*No data available.*
Components:	
Triethoxy(octyl)silane	*No data available.*
Alcohols, C11-14-iso-, C13-rich, ethoxylated	*No data available.*
2-Methyl-2H-isothiazol-3- one	*EC 50 (Algae (Pseudokirchneriella subcapitata), 120 h): 0,138 mg/l (OECD 201)* *EC 50 (Algae (Pseudokirchneriella subcapitata), 120 h): 0,22 mg/l (OECD 201)* *EC 50 (Skeletonema costatum (marine diatom), 96 h): 0,07 mg/l (OECD 201)*
saltwater	*EC 50 (Algae (Pseudokirchneriella subcapitata), 96 h): 0,063 mg/l (OECD 201)* *EC 50 (Algae (Pseudokirchneriella subcapitata), 96 h): 0,23 mg/l (OECD 201)*
1,2-benzisothiazol-3(2H)-one	*EC 50 (Algae (Pseudokirchneriella subcapitata), 72 h): 0,11 mg/l (OECD201)*

Toxicity to microorganisms

Product:	*No data available.*
Components:	
Triethoxy(octyl)silane	*EC 50, activated sludge, 3 h, > 1.000 mg/l, OECD 209* *NOEC, activated sludge, 3 h, 1.000 mg/l, OECD 209*
Alcohols, C11-14-iso-, C13-rich, ethoxylated	*No data available.*
2-Methyl-2H-isothiazol-3- one	*EC 50, activated sludge, 3 h, 41 mg/l, OECD 209*
1,2-benzisothiazol-3(2H)- one	*EC 50, activated sludge, 3 h, 13 mg/l, OECD 209*

Chronic hazards to the aquatic environment:

Fish

Product:	*No data available.*
Components:	
Triethoxy(octyl)silane	*No data available.*
Alcohols, C11-14-iso-, C13-rich, ethoxylated	*No data available.*
2-Methyl-2H-isothiazol-3-one	*Lowest Observed Effect Concentration, Oncorhynchus mykiss, 98 d, 9,88 mg/l, OECD 210* *NOEC, Oncorhynchus mykiss, 98 d, 4,93 mg/l, OECD 210* *Lowest Observed Effect Concentration, Oncorhynchus mykiss, 98 d, 4,93 mg/l, OECD 210* *NOEC, Oncorhynchus mykiss, 98 d, 2,38 mg/l, OECD 210* *Lowest Observed Effect Concentration, Pimephales promelas, 33 d, 4,2 mg/l, OECD 210*

1,2-benzisothiazol-3(2H)-one	*No data available*

Aquatic Invertebrates

Product:	*No data available.*
Components:	
Triethoxy(octyl)silane	*In the range of water solubility not toxic under test conditions.*
Alcohols, C11-14-iso-, C13-rich, ethoxylated	*No data available.*
2-Methyl-2H-isothiazol-3-one	*EC 50, Daphnia magna, 21 d, 1,4 mg/l, OECD 211* *EC 50, Daphnia magna, 21 d, 1,6 mg/l, OECD 211*
1,2-benzisothiazol-3(2H)-one	*No data available*

Toxicity to Aquatic Plants

Product:	*No data available.*
Components:	
Triethoxy(octyl)silane	*No data available.*
Alcohols, C11-14-iso-, C13-rich, ethoxylated	*No data available.*
2-Methyl-2H-isothiazol-3- one	*NOEC (Algae (Pseudokirchneriella subcapitata), 120 h): 0,05 mg/l (OECD 201)* *NOEC (Algae (Pseudokirchneriella subcapitata), 96 h): 0,01 mg/l (OECD 201)* *NOEC (Algae (Pseudokirchneriella subcapitata), 96 h): 0,12 mg/l (OECD 201)*
1,2-benzisothiazol-3(2H)- one	*No data available.*

Toxicity to microorganisms

Product:	*No data available.*
Components:	
Triethoxy(octyl)silane	*EC 50, activated sludge, 3 h, > 1.000 mg/l, OECD 209* *NOEC, activated sludge, 3 h, 1.000 mg/l, OECD 209*
Alcohols, C11-14-iso-, C13-rich, ethoxylated	*No data available.*
2-Methyl-2H-isothiazol-3- one	*EC 50, activated sludge, 3 h, 41 mg/l, OECD 209*
1,2-benzisothiazol-3(2H)- one	*EC 50, activated sludge, 3 h, 13 mg/l, OECD 209*

Persistence and Degradability

Biodegradation

Product:	*No data available.*
Components:	
Triethoxy(octyl)silane	*31,5 %, 28 d, OECD 301 D, The product is not biodegradable.*
Alcohols, C11-14-iso-, C13-rich, ethoxylated	*No data available.*
2-Methyl-2H-isothiazol-3- one	*54 %, 29 d, OECD 301 B, The product is not readily biodegradable.*
1,2-benzisothiazol-3(2H)- one	*No data available.*

Bioaccumulative potential

Bioconcentration Factor (BCF)

Product:	*No data available.*
Components:	
Triethoxy(octyl)silane	*Carp (Cyprinus carpio), 1.890, OECD 305, not bioaccumulative.*
Alcohols, C11-14-iso-, C13-rich, ethoxylated	*No data available.*
2-Methyl-2H-isothiazol-3- one	*No data available.*

1,2-benzisothiazol-3(2H)- one *No data available.*

Partition Coefficient n-octanol / water (log Kow)

Product:	*No data available.*
Components:	
Triethoxy(octyl)silane	*6,41, OECD 117*
Alcohols, C11-14-iso-, C13-rich, ethoxylated	*No data available.*
2-Methyl-2H-isothiazol-3- one	*No data available.*
1,2-benzisothiazol-3(2H)- one	*No data available.*

Mobility in soil

Product	*No data available.*
Components:	
Triethoxy(octyl)silane	*Adsorption on the floor: low.*
Alcohols, C11-14-iso-, C13-rich, ethoxylated	*No data available.*
2-Methyl-2H-isothiazol-3-one	*No data available.*
1,2-benzisothiazol-3(2H)-one	*No data available.*

Results of PBT and vPvB assessment:

Product	*This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.*
Components:	
Triethoxy(octyl)silane	*Non-classified vPvB substance.* *Non-classified PBT substance.*
Alcohols, C11-14-iso-, C13-rich, ethoxylated	*Non-classified vPvB substance.*
2-Methyl-2H-isothiazol-3-one	*Non-classified PBT substance.* *Non-classified vPvB substance.*
1,2-benzisothiazol-3(2H)-one	*Non-classified PBT substance.*

Endocrine disrupting properties:

Product:	*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.*
Components:	
Triethoxy(octyl)silane	*No data available.*
Alcohols, C11-14-iso-, C13-rich, ethoxylated	*No data available.*
2-Methyl-2H-isothiazol-3-one	*No data available.*
1,2-benzisothiazol-3(2H)-one	*No data available.*

Other adverse effects:

Other hazards

Product: *An Expert Judgment stated that no classification is necessary based on present knowledge.*

Additional Information: *No ecotoxicological data is available for this product.*

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

General information: *No data available.*

Disposal methods: *With respect to local regulations, e.g. dispose of to suitable waste incineration plant. No waste*

since such *key number as per the European Waste Types List can be assigned to this product,*

by the *classification is based on the (as yet undetermined) use to which the product is put*

Types List *consumer. The waste key number must be determined as per the European Waste*

firm / producing *(decision on EU Waste Types List 2000/532/EC) in cooperation with the disposal firm / official authority.*

Contaminated Packaging: *Do not reuse empty containers and dispose of in accordance with the regulations*
issued by the *appropriate local authorities. If there is product residue in the emptied container,*

follow directions *for handling on the container's label. Incorrect disposal or reuse of this container is*

illegal and can *be dangerous. Other countries: observe the national regulations.*

14. TRANSPORT INFORMATION

UN/ID No. *Not regulated as a dangerous good*

UN proper shipping name *Not regulated as a dangerous good*
Transport hazard class(es) *Not regulated as a dangerous good*

Packing group

ADR *Not regulated as a dangerous good*
Remarks *Not classified as dangerous for conveyance in the meaning of the Carriage of*
Dangerous Goods by *Road and Rail (ADR / RID).*

RID *Not regulated as a dangerous good*
Remarks *Not classified as dangerous for conveyance in the meaning of the Carriage of*
Dangerous Goods by *Road and Rail (ADR / RID).*

IMDG *Not regulated as a dangerous good*
Remarks *Not classified as hazardous sea cargo (IMDG code)., FOR USA ONLY: In*
packagings exceeding *450 L, this product must be classified, placarded, marked and shipped as*
Combustible Liquid to *the USA.*

IATA (Cargo aircraft only) *Not regulated as a dangerous good*
Remarks *Not hazardous freight in air traffic (ICAO-TI / IATA-DGR).*

IATA (Passenger and cargo aircraft) *Not regulated as a dangerous good*
Remarks *Not hazardous freight in air traffic (ICAO-TI / IATA-DGR).*

Environmental hazards *Not regulated as a dangerous good*

Special precautions for user *Not applicable*

Maritime transport in bulk according to IMO instruments *Not applicable for product as supplied.*

15. REGULATORY INFORMATION

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

Regulation 1005/2009/EC on substances that deplete the ozone layer, Annex I, Controlled Substances: *None present, or none present in regulated quantities.*

Regulation 1005/2009/EC on substances that deplete the ozone layer, Annex II, New Substances:
None present or none present in regulated quantities.

EU. REACH Annex XIV, Substances Subject to Authorization*: None present, or none present in regulated quantities.*

EU. Regulation 2019/1021/EU on persistent organic pollutants (POPs) (recast), as amended*: None present, or none present in regulated quantities.*

EU. Directive 2010/75/EU on Industrial Emissions (IPPC), Annex II, L 334/17*: None present, or none present in regulated quantities.*

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 1 as amended:
None present or none present in regulated quantities.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 2 as amended*:*
None present or none present in regulated quantities.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 3 as amended:
None present or none present in regulated quantities.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex V as amended:
None present or none present in regulated quantities.

EU. REACH Candidate List of Substances of Very High Concern for Authorization (SVHC):
None present or none present in regulated quantities.

Regulation (EC) No. 1907/2006 Annex XVII Substances subject to restriction on marketing and use*:*

Chemical name	CAS-No.	Entry No:
2-Methyl-2H-isothiazol-3-one	*2682-20-4*	*75*
1,2-benzisothiazol-3(2H)-one	*2634-33-5*	*75*

Directive 2004/37/EC on the protection of workers from the risks related to exposure to carcinogens and mutagens at work.:
None present or none present in regulated quantities.

Directive 92/85/EEC: on the safety and health of pregnant workers and workers who have recently given birth or are breast feeding.:

Chemical name	CAS-No.	Concentration
2-Methyl-2H-isothiazol-3-one	*2682-20-4*	*0,0015 - <0,01%*

EU. Directive 2012/18/EU (SEVESO III) on major accident hazards involving dangerous substances, Annex I:
Not applicable

EU. Regulation No. 166/2006 PRTR (Pollutant Release and Transfer Registry), Annex II: Pollutants:
None present or none present in regulated quantities.

Directive 98/24/EC on the protection of workers from the risks related to chemical agents at work:

Chemical name	CAS-No.	Concentration
1,2-benzisothiazol-3(2H)-one	*2634-33-5*	*0,0015 - <0,01%*
2 -Methyl-2H-isothiazol-3-one	*2682-20-4*	*0,0015 - <0,01%*

EU. Restricted Explosives Precursors: Annex I, Regulation 2019/1148/EU on Explosives Precursors (EUEXPL1D):
None present or none present in regulated quantities.

EU. Reportable (Annex II) Explosives Precursors, Regulation 2019/1148/EU on Explosives Precursors (EUEXPL2D):
None present or none present in regulated quantities.

Chemical safety assessment: *No chemical safety assessment is required for this product.*

International regulations

Montreal protocol *Not applicable*

Stockholm convention *Not applicable*

Rotterdam convention *Not applicable*

Kyoto protocol *Not applicable*

16. OTHER INFORMATION

Abbreviations and acronyms:

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC- Number - European Community number; ECx - Concentration associated with x% response; EIGA - European Industrial Gases Association; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations

concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - substance of very high concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

Key literature references and sources for data: *No data available.*

Full text of H-Statements referred to under section 2 and 3

H301 Toxic if swallowed.

H302 Harmful if swallowed.

H311 Toxic in contact with skin.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H330 Fatal if inhaled.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

H411 Toxic to aquatic life with long lasting effects.

H412 Harmful to aquatic life with long lasting effects.

Training information: *No data available.*

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

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