SAFETY DATA SHEET

Classification (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567

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

1.1 Product identifier

Product name:
TEGO® Foamex 835

Chemical name:
Polydimethylsiloxane emulsion

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

Identified uses: Industrial use

Uses advised against: None known.

1.3 Details of the supplier of the safety data sheet

Company Name	:	Evonik Operations GmbH Rellinghauser Str. 1-11 45128 Essen Germany
Telephone	:	+49 201 173 01
Fax	:	+49 201 173 3000
E-mail	:	productsafety-cs@evonik.com

1.4 Emergency telephone number:

24-Hour Health Emergency	:	+49 2365 49 2232 +49 2365 49 4423 (Fax)

National Poison Information Service (NPIS)
England, Scotland and Wales: NHS: 111

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

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

Classification (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567

Environmental Hazards

Chronic hazards to the aquatic environment	Category 3	H412: Harmful to aquatic life with long lasting effects.

2.2 Label Elements

Hazard Statement(s): H412: Harmful to aquatic life with long lasting effects.

Precautionary Statements

Prevention: P273: Avoid release to the environment.

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

Supplemental label information

EUH208: Contains (1,2-benzisothiazol-3(2H)-one**,** Reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no.247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no.220-239-6] (3:1)). May produce an allergic reaction.

2.3 Other hazards

None known.

SECTION 3: Composition/information on ingredients

Chemical name:
Polydimethylsiloxane emulsion

3.2 Mixtures

Chemical name	Concentration	CAS-No.	EC No.	UK-REACH Registration No.	REACH Registration No.	M-Factor:	Notes
Octadecan-1-ol, ethoxylated	2.5 - <5%	9005-00-9	500-017-8		01-2119977092-34	No data available.	
Silane, dichlorodimethyl-, reaction products with silica	1 - <5%	68611-44-9		UK-01-2509930461-7	01-2119379499-16	No data available.	#
1,2-benzisothiazol-3(2H)-one	0 - <0.05%	2634-33-5	220-120-9		01-2120761540-60	Aquatic Toxicity (Acute): 1	
Reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no.247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no.220-	0.001 - <0.0015%	55965-84-9	911-418-6		01-2120764691-48	Aquatic Toxicity (Acute): 100; Aquatic Toxicity (Chronic): 100Aquatic Toxicity (Acute): 100; Aquatic Toxicity	

239-6] (3:1)						(Chronic): 100	

* 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
Octadecan-1-ol, ethoxylated	Classification: Aquatic Chronic: 2: H411; Supplemental label information: None known.	None.
Silane, dichlorodimethyl-, reaction products with silica	Classification: None known. Supplemental label information: None known.	Not applicable
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.	None.
Reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no.247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no.220-239-6] (3:1)	Classification: Acute Tox.: 3: H301; Acute Tox.: 2: H310; Acute Tox.: 2: H330; Skin Corr.: 1C: H314; Eye Dam.: 1: H318; Skin Sens.: 1A: H317; Aquatic Acute: 1: H400; Aquatic Chronic: 1: H410; Supplemental label information: EUH071;	Note B, EUH071

The full text for all H-statements is displayed in section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information: Remove soiled or soaked clothing immediately

Inhalation: fresh air supply, consult a doctor if feeling unwell.

Skin Contact: In case of contact with skin wash off with soap and water. In case of discomfort: Supply with medical care.

Eye contact: In case of contact with eyes rinse thoroughly with water. In case of discomfort: Supply with medical care.

Ingestion: Thoroughly clean the mouth with water In case of discomfort: Supply with medical care.

Personal Protection for First-aid Responders: No data available.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms: Repeated or prolonged skin contact may cause skin irritation and/or dermatitis and sensitization of susceptible persons.

Hazards: No data available.

4.3 Indication of immediate medical attention and special treatment needed

Treatment: Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: foam, carbon dioxide, dry powder, water spray.

Unsuitable extinguishing media: High volume water jet.

5.2 Special hazards arising from the substance or mixture: In the event of fire the following can be released: - Carbon monoxide, carbon dioxide, silicon dioxide Under certain conditions of combustion traces of other toxic substances cannot be excluded

5.3 Advice for firefighters

Special fire fighting procedures: No specific precautions.

Special protective equipment for fire-fighters: Do not inhale explosion and/or combustion gases. Self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures: Use personal protective equipment.

6.1.1 For non-emergency personnel: No data available.

6.1.2 For emergency responders: No data available.

6.2 Environmental Precautions: Do not allow to enter drains or waterways Prevent product from getting into subsoil/soil.

6.3 Methods and material for containment and cleaning up: Take up with absorbent material (eg sand, kieselguhr, universal binder) Dispose of absorbed material in accordance with the regulations.

6.4 Reference to other sections: For further information on exposure monitoring and disposal see sections 8 and 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Technical measures: No data available.

Local/Total ventilation: No data available.

Safe handling advice: Provide good ventilation of working area (local exhaust ventilation if necessary).Do not inhale gases/vapours/aerosols. Avoid contact with skin and eyes.

Contact avoidance measures: No data available.

7.2 Conditions for safe storage, including any incompatibilities

Safe storage conditions: Keep container tightly closed in a cool, well-ventilated place.Protect from heat and direct sunlight Homogenise before using. Protect from frost.

Safe packaging materials: No data available.

7.3 Specific end use(s): No further recommendations.

SECTION 8: Exposure controls/personal protection

8.1 Control Parameters

Occupational Exposure Limits

Chemical name	Type	Form of exposure	Exposure Limit Values		Source
Silane, dichlorodimethyl-, reaction products with silica	TWA	Respirable dust.		2.4 mg/m3	EH40 WEL (12 2011)
	TWA	Inhalable dust.		6 mg/m3	EH40 WEL (12 2011)

Please refer to the latest edition of the appropriate source text and consult an industrial hygienist or similar professional, or local agencies, for further information.

Biological Limit Values

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

DNEL-Values

Remarks: DNEL-Values

Critical component	Type	Route of Exposure	Health Warnings	Remarks
Octadecan-1-ol, ethoxylated	General population	Inhalation	Systemic, long-term; 87 mg/m3	Repeated dose toxicity
	Workers	Inhalation	Systemic, long-term; 294 mg/m3	Repeated dose toxicity
	General population	Dermal	Systemic, long-term; 1250 mg/kg	Repeated dose toxicity
	General population	Eyes	Local effect;	No hazard identified
	Workers	Dermal	Systemic, long-term; 2080 mg/kg	Repeated dose toxicity
	Workers	Eyes	Local effect;	No hazard identified
	General population	Oral	Systemic, long-term; 25 mg/kg	Repeated dose toxicity
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)
Reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no.247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no.220-239-6] (3:1)	Workers	Eyes	Local effect;	High hazard (no threshold derived)
	General population	Oral	Systemic, short-term; 0.11 mg/kg	Repeated dose toxicity
	General population	Eyes	Local effect;	High hazard (no threshold derived)
	General population	Inhalation	Local, long-term; 0.02 mg/m3	Repeated dose toxicity

	General population	Inhalation	Local, short-term; 0.04 mg/m3	Repeated dose toxicity
	Workers	Inhalation	Local, long-term; 0.02 mg/m3	Repeated dose toxicity
	Workers	Inhalation	Local, short-term; 0.04 mg/m3	Repeated dose toxicity
	General population	Oral	Systemic, long-term; 0.09 mg/kg	Repeated dose toxicity

PNEC-Values

Remarks: PNEC-Values

Critical component	Environmental compartment	PNEC-Values	Remarks
Octadecan-1-ol, ethoxylated	Aquatic (freshwater)	0.005 mg/l	
	Sediment (freshwater)	230.37 mg/kg	
	Soil	1 mg/kg	
	Aquatic (marine water)	0.001 mg/l	
	Sewage treatment plant	1.4 mg/l	
	Sediment (marine water)	23.04 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	
Reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no.247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no.220-239-6] (3:1)	Sewage treatment plant	0.23 mg/l	
	Aquatic (marine water)	3.39 µg/l	
	Aquatic (freshwater)	3.39 µg/l	
	Sediment (freshwater)	0.027 mg/kg	
	Soil	0.01 mg/kg	
	Sediment (marine water)	0.027 mg/kg	

8.2 Exposure controls

Appropriate Engineering Controls: No data available.

Individual protection measures, such as personal protective equipment

Eye/face protection: Safety goggles

Hand Protection:

Material: Natural rubber.
Break-through time: 480 min
Glove thickness: 1 mm
Material: Nitrile rubber.
Break-through time: 480 min
Glove thickness: 0.4 mm
Material: Fluorinated rubber
Break-through time: 480 min
Glove thickness: 0.7 mm
Material: Butyl rubber.
Break-through time: 480 min
Glove thickness: 0.7 mm

Skin and Body Protection: protective clothing

Respiratory Protection: in case of formation of vapours/aerosols: Short term: filter apparatus, combination filter A-P2

Hygiene measures: When using do not eat, drink or smoke. Wash hands before breaks and immediately after handling the product. Remove soiled or soaked clothing immediately.

Environmental Controls:	The environmental regulations on the control and monitoring of environmental exposures are to be observed.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	
Physical state:	liquid
Form:	liquid
Color:	Milky white
Odor:	faint inherent odor
Odor Threshold:	not measured
Freezing point:	Approximate 0 °C
Boiling Point:	Approximate 100 °C
Flammability:	not measured
Upper/lower limit on flammability or explosive limits	
Explosive limit - upper:	not measured
Explosive limit - lower:	not measured
Flash Point:	Not applicable
Auto-ignition temperature:	not measured
Decomposition Temperature:	not measured
pH:	5 - 7 at 20 °C Concentration: 100 g/l Concentration: 10 % in Water
Viscosity	
Dynamic viscosity:	not measured
Kinematic viscosity:	not measured
Solubility(ies)	
Solubility in Water:	miscible
Solubility (other):	not measured
Partition coefficient (n-octanol/water):	not measured
Vapor pressure:	not measured
Relative density:	not measured
Density:	Approximate 1 g/cm3 at 20 °C
Relative vapor density:	not measured

9.2 Other information

Explosive properties:	not measured
Oxidizing properties:	not oxidizing
Self-ignition:	not measured
Metal Corrosion:	Not corrosive to metals

Evaporation Rate:	not measured

SECTION 10: Stability and reactivity

10.1	**Reactivity:**	see section "Possibility of hazardous reactions".
10.2	**Chemical Stability:**	The product is stable under normal conditions.
10.3	**Possibility of hazardous reactions:**	No hazardous reactions with proper storage and handling
10.4	**Conditions to avoid:**	No data available.
10.5	**Incompatible Materials:**	Not known.
10.6	**Hazardous Decomposition Products:**	None with proper storage and handling.

SECTION 11: Toxicological information

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

Information on likely routes of exposure

Inhalation:	Information on effects are given below.
Skin Contact:	Information on effects are given below.
Eye contact:	Information on effects are given below.
Ingestion:	Information on effects are given below.

Acute toxicity (list all possible routes of exposure)

Oral

Product:	LD 50, ATEmix, > 5,000 mg/kg
Components:	
Octadecan-1-ol, ethoxylated	LD 50, Rat, Female, Male, > 21,000 mg/kg, OECD 401
Silane, dichlorodimethyl-, reaction products with silica	LD 50, Rat, Female, Male, > 5,000 mg/kg, OECD 401, (analogy)
1,2-benzisothiazol-3(2H)-one	LD 50, Rat, Female, Male, 670 mg/kg, OECD 401
Reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no.247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no.220-239-6] (3:1)	LD 50, Rat, Male, 64 mg/kg, OECD 401

Dermal

Product:	LD 50, ATEmix, 4,082 mg/kg
Components:	
Octadecan-1-ol, ethoxylated	LD 50, Rat, > 2,000 mg/kg, OECD 402
Silane, dichlorodimethyl-, reaction products with	LD 50, Rabbit, > 5,000 mg/kg, (analogy)

silica	
1,2-benzisothiazol-3(2H)-one	LD 50, Rat, Female, Male, > 2,000 mg/kg, OECD 402 Not toxic after single exposure, No classification
Reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no.247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no.220-239-6] (3:1)	LD 50, Rabbit, Male, 87.12 mg/kg, OECD 402

Inhalation

Product:	No data available. Not classified for acute toxicity based on available data.
Components:	
Octadecan-1-ol, ethoxylated	Not toxic after single exposure, Vapour, No data available. Not toxic after single exposure, Dust and mist, No data available.
Silane, dichlorodimethyl-, reaction products with silica	LC 50, Rat, Female, Male, 4 h, > 5.01 mg/l, Dust and mist, OECD 436, (analogy) Vapour, Not toxic after single exposure, Not applicable
1,2-benzisothiazol-3(2H)-one	LC 50, Rat, 4 h, 0.11 mg/l, Dust and mist, OECD 403 Vapour, Not toxic after single exposure, Not applicable
Reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no.247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no.220-239-6] (3:1)	LC 50, Rat, Female, Male, 4 h, 0.33 mg/l, Dust and mist, OECD 403 Vapour, Not toxic after single exposure, Not applicable

Repeated dose toxicity

Product:	No data available.
Components:	
Octadecan-1-ol, ethoxylated	NOAEL Rat, Oral, 500 mg/kg
Silane, dichlorodimethyl-, reaction products with silica	NOAEL Rat, Male, Oral, 28 day, 7 days a week, >= 1,000 mg/kg, No negative effects. (analogy)
1,2-benzisothiazol-3(2H)-one	No data available.
Reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no.247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no.220-239-6] (3:1)	No data available.

Skin Corrosion/Irritation

Product:	No data available.
Components:	
Octadecan-1-ol, ethoxylated	Not irritating, OECD 404, Rabbit, 24 h
Silane, dichlorodimethyl-, reaction products with silica	Not irritating, OECD 404, Rabbit, (analogy)
1,2-benzisothiazol-3(2H)-one	Irritating., EPA OPP 81-5, Rabbit

Reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no.247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no.220-239-6] (3:1)	Corrosive.

Serious Eye Damage/Eye Irritation

Product:	No data available.
Components:	
Octadecan-1-ol, ethoxylated	Not irritating, OECD 405, Rabbit
Silane, dichlorodimethyl-, reaction products with silica	Not irritating, analogous OECD method, Rabbit, (analogy)
1,2-benzisothiazol-3(2H)-one	Risk of serious damage to eyes., OECD 437, Bovine cornea
Reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no.247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no.220-239-6] (3:1)	Risk of serious damage to eyes.

Respiratory or Skin Sensitization

Product:	No data available.
Components:	
Octadecan-1-ol, ethoxylated	Buehler Test, OECD 406, Guinea Pig, Not a skin sensitizer.
Silane, dichlorodimethyl-, reaction products with silica	Local Lymph Node Assay (LLNA), OECD 429, Mouse, Not a skin sensitizer., (analogy) Maximization Test, OECD 406, Guinea Pig, Not a skin sensitizer., (analogy)
1,2-benzisothiazol-3(2H)-one	Maximization Test, US-EPA-method, Guinea Pig, May cause sensitization by skin contact.
Reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no.247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no.220-239-6] (3:1)	Strong skin sensitizer.

Carcinogenicity

Product:	No data available.
Components:	
Octadecan-1-ol, ethoxylated	No data available.
Silane, dichlorodimethyl-, reaction products with silica	No evidence that cancer may be caused.
1,2-benzisothiazol-3(2H)-one	No data available.

Reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no.247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no.220-239-6] (3:1)	No data available.

Germ Cell Mutagenicity

No data available.

In vitro

Product:	No data available.
Components:	
Octadecan-1-ol, ethoxylated	Bacterial reverse mutation assay, OECD 471: , negative Chromosomal aberration, OECD 473: , negative gene mutation test, OECD 476: , negative
Silane, dichlorodimethyl-, reaction products with silica	gene mutation test, OECD 471: , negative, (analogy) gene mutation test, OECD 490: , negative, (analogy) Chromosomal aberration, OECD 473: , negative, (analogy)
1,2-benzisothiazol-3(2H)-one	gene mutation test, OECD 471: , negative Chromosomal aberration, OECD 473: , positive gene mutation test, OECD 476: , negative
Reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no.247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no.220-239-6] (3:1)	Ames test, OECD 471: , negative

In vivo

Product:	No data available.
Components:	
Octadecan-1-ol, ethoxylated	No data available.
Silane, dichlorodimethyl-, reaction products with silica	Chromosomal aberration, OECD 475, Oral, Rat, Male, negative, (analogy)
1,2-benzisothiazol-3(2H)-one	DNA damage and/or repair, OECD 486, Oral, Rat, Male, negative
Reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no.247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no.220-239-6] (3:1)	No data available.

Reproductive toxicity

Product:	No data available.
Components:	
Octadecan-1-ol, ethoxylated	Dermal
Silane, dichlorodimethyl-, reaction products with silica	no evidence of reproductiontoxic properties

1,2-benzisothiazol-3(2H)-one	No data available.
Reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no.247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no.220-239-6] (3:1)	No data available.

Specific Target Organ Toxicity - Single Exposure

Product: No data available.

Components:

Octadecan-1-ol, ethoxylated	No data available.
Silane, dichlorodimethyl-, reaction products with silica	no evidence for hazardous properties
1,2-benzisothiazol-3(2H)-one	No data available.
Reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no.247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no.220-239-6] (3:1)	No data available.

Specific Target Organ Toxicity - Repeated Exposure

Product: No data available.

Components:

Octadecan-1-ol, ethoxylated	No data available.
Silane, dichlorodimethyl-, reaction products with silica	no evidence for hazardous properties
1,2-benzisothiazol-3(2H)-one	No data available.
Reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no.247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no.220-239-6] (3:1)	No data available.

Aspiration Hazard

Product: Not classified

Components:

Octadecan-1-ol, ethoxylated	Not applicable
Silane, dichlorodimethyl-, reaction products with silica	Not applicable
1,2-benzisothiazol-3(2H)-one	Not applicable

Reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no.247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no.220-239-6] (3:1)	Not classified

11.2 Information on other hazards

Other information

Product: No data available.

SECTION 12: Ecological information

12.1 Toxicity:

Acute hazards to the aquatic environment:

Fish

Product: No data available.

Components:

Octadecan-1-ol, ethoxylated	LC 50, Danio rerio, 96 h, 108 mg/l OECD 203, (analogy)
Silane, dichlorodimethyl-, reaction products with silica	LC 50, (Brachydanio rerio), 96 h, > 10,000 mg/l OECD 203, The reported toxic effects relate to the nominal concentration. (analogy)
1,2-benzisothiazol-3(2H)-one	LC 50, Oncorhynchus mykiss, 96 h, 2.15 mg/l OECD 203
Reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no.247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no.220-239-6] (3:1)	No data available.

Aquatic Invertebrates

Product: No data available.

Components:

Octadecan-1-ol, ethoxylated	EL50, Daphnia magna, 48 h, 51 mg/l OECD 202, (analogy)
Silane, dichlorodimethyl-, reaction products with silica	EC 50, Daphnia magna, 24 h, > 1,000 mg/l OECD 202, The reported toxic effects relate to the nominal concentration. (analogy)
1,2-benzisothiazol-3(2H)-one	EC 50, Daphnia magna, 48 h, 2.9 mg/l OECD 202
Reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no.247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no.220-239-6] (3:1)	No data available.

Toxicity to Aquatic Plants

Product: No data available.

Components:

Octadecan-1-ol, ethoxylated	No data available.
Silane, dichlorodimethyl-, reaction products with silica	EC 50 (Desmodesmus subspicatus (green algae), 72 h): > 173 mg/l (OECD 201) (analogy)
1,2-benzisothiazol-3(2H)-one	EC 50 (Algae (Pseudokirchneriella subcapitata), 72 h): 0.11 mg/l (OECD 201)
Reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no.247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no.220-239-6] (3:1)	No data available.

Toxicity to microorganisms

Product:	No data available.
Components:	
Octadecan-1-ol, ethoxylated	EC 50, activated sludge, 3 h, 140 mg/l, EG guideline 88/302/EG, adopted 1988
Silane, dichlorodimethyl-, reaction products with silica	EC 50, local activated sludge, 3 h, > 2,500 mg/l, OECD 209, (analogy)
1,2-benzisothiazol-3(2H)-one	EC 50, activated sludge, 3 h, 13 mg/l, OECD 209
Reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no.247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no.220-239-6] (3:1)	No data available.

Toxicity to soil dwelling organisms

Product:	No data available.
Components:	
Octadecan-1-ol, ethoxylated	LC 50 (Eisenia fetida (earthworms), 14 d): > 1,000 mg/kg (OECD 207)
Silane, dichlorodimethyl-, reaction products with silica	No data available.
1,2-benzisothiazol-3(2H)-one	No data available.
Reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no.247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no.220-239-6] (3:1)	No data available.

Toxicity to terrestrial organisms

Product:	No data available.
Components:	
Octadecan-1-ol, ethoxylated	No data available.
Silane, dichlorodimethyl-, reaction products with silica	No data available.
1,2-benzisothiazol-3(2H)-	No data available.

one	
Reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no.247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no.220-239-6] (3:1)	No data available.

Chronic hazards to the aquatic environment:

Fish

Product:	No data available.
Components:	
Octadecan-1-ol, ethoxylated	NOEC, Bluegill Sunfish, 30 d, > 0.33 mg/l
Silane, dichlorodimethyl-, reaction products with silica	No data available.
1,2-benzisothiazol-3(2H)-one	No data available.
Reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no.247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no.220-239-6] (3:1)	No data available.

Aquatic Invertebrates

Product:	No data available.
Components:	
Octadecan-1-ol, ethoxylated	NOEC, Daphnia magna, 21 d, 1.75 mg/l NOEC, Daphnia magna, 21 d, 0.77 mg/l EC 20, Daphnia magna, 21 d, 0.0542 mg/l, The value is given based on a SAR/AAR approach using OECD Toolbox, DEREK, VEGA QSAR models (Cesar models), etc.
Silane, dichlorodimethyl-, reaction products with silica	No data available.
1,2-benzisothiazol-3(2H)-one	No data available.
Reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no.247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no.220-239-6] (3:1)	No data available.

Toxicity to Aquatic Plants

Product:	No data available.
Components:	
Octadecan-1-ol, ethoxylated	No data available.
Silane, dichlorodimethyl-, reaction products with silica	No data available.
1,2-benzisothiazol-3(2H)-one	No data available.

Reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no.247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no.220-239-6] (3:1)	No data available.

Toxicity to microorganisms

Product:	No data available.
Components:	
Octadecan-1-ol, ethoxylated	EC 50, activated sludge, 3 h, 140 mg/l, EG guideline 88/302/EG, adopted 1988
Silane, dichlorodimethyl-, reaction products with silica	EC 50, local activated sludge, 3 h, > 2,500 mg/l, OECD 209, (analogy)
1,2-benzisothiazol-3(2H)-one	EC 50, activated sludge, 3 h, 13 mg/l, OECD 209
Reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no.247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no.220-239-6] (3:1)	No data available.

Toxicity to soil dwelling organisms

Product:	No data available.
Components:	
Octadecan-1-ol, ethoxylated	No data available.
Silane, dichlorodimethyl-, reaction products with silica	No data available.
1,2-benzisothiazol-3(2H)-one	No data available.
Reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no.247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no.220-239-6] (3:1)	No data available.

Toxicity to terrestrial organisms

Product:	No data available.
Components:	
Octadecan-1-ol, ethoxylated	NOEC (Corn, 19 d): 100 mg/l (OECD 208)
Silane, dichlorodimethyl-, reaction products with silica	No data available.
1,2-benzisothiazol-3(2H)-one	No data available.
Reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no.247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no.220-239-6]	No data available.

(3:1)

12.2 Persistence and Degradability

Biodegradation

Product:	No data available.
Components:	
Octadecan-1-ol, ethoxylated	84 %, 28 d, OECD 301 B, The product is easily biodegradable., aerobic
Silane, dichlorodimethyl-, reaction products with silica	The methods designed to assess persistence and biodegradability are not applicable to this product, in analogy to inorganic substances.
1,2-benzisothiazol-3(2H)-one	No data available.
Reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no.247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no.220-239-6] (3:1)	The product is easily biodegradable.

12.3 Bioaccumulative potential

Bioconcentration Factor (BCF)

Product:	No data available.
Components:	
Octadecan-1-ol, ethoxylated	Pimephales promelas, 387, Bioaccumulation need not be expected.
Silane, dichlorodimethyl-, reaction products with silica	Not to be expected.
1,2-benzisothiazol-3(2H)-one	No data available.
Reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no.247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no.220-239-6] (3:1)	No data available.

Partition Coefficient n-octanol / water (log Kow)

Product:	not measured
Components:	
Octadecan-1-ol, ethoxylated	No data available.
Silane, dichlorodimethyl-, reaction products with silica	, Not applicable
1,2-benzisothiazol-3(2H)-one	No data available.
Reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no.247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no.220-239-6] (3:1)	No data available.

12.4 Mobility in soil:

Product	No data available.
Components:	
Octadecan-1-ol, ethoxylated	No data available.
Silane, dichlorodimethyl-, reaction products with silica	No remarkable mobility in soil is to be expected.
1,2-benzisothiazol-3(2H)-one	No data available.
Reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no.247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no.220-239-6] (3:1)	No data available.

12.5 Results of PBT and vPvB assessment:

Product	No data available.
Components:	
Octadecan-1-ol, ethoxylated	No data available.
Silane, dichlorodimethyl-, reaction products with silica	No data available.
1,2-benzisothiazol-3(2H)-one	No data available.
Reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no.247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no.220-239-6] (3:1)	No data available.

12.6 Other adverse effects:

Other hazards

Product: Do not allow to enter soil, waterways or waste water canal.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

General information: No data available.

Disposal methods: In accordance with local authority regulations, take to special waste incineration plant

Contaminated Packaging: If empty contaminated containers are recycled or disposed of, the receiver must be informed about possible hazards.

SECTION 14: Transport information

14.1 UN/ID No.

Not regulated as a dangerous good

14.2 UN proper shipping name

Not regulated as a dangerous good

14.3 Transport hazard class(es)

Not regulated as a dangerous good

14.4 Packing group

Not regulated as a dangerous good

14.5 Environmental hazards

Not regulated as a dangerous good

14.6 Special precautions for user

Not applicable

14.7 Maritime transport in bulk according to IMO instruments

Not applicable for product as supplied.

SECTION 15: Regulatory information

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

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

15.2 Chemical safety assessment: No chemical safety assessment was carried out for this product.

International regulations

Montreal protocol
Not applicable

Stockholm convention
Not applicable

Rotterdam convention
Not applicable

Kyoto protocol
Not applicable

SECTION 16: Other information

Abbreviations and acronyms:

EH40 WEL:	UK. EH40 Workplace Exposure Limits (WELs), as amended
EH40 WEL / TWA:	Time Weighted Average (TWA):

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

Notes:

EUH071	Corrosive to the respiratory tract.
Not applicable	Not applicable
Note B	Some substances (acids, bases, etc.) are placed on the market in aqueous solutions at various concentrations and, therefore, these solutions require different classification and labelling since the hazards vary at different concentrations. In Part 3 entries with Note B have a general designation of the following type: 'nitric acid...%'. In this case the supplier must state the percentage concentration of the solution on the label. Unless otherwise stated, it is assumed that the percentage concentration is calculated on a weight/weight basis.

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

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

Classification according to Regulation (EC) No 1272/2008 as amended.	**Classification procedure**
Chronic hazards to the aquatic environment, Category 3	On basis of test data

Wording of the statements in section 2 and 3

H301	Toxic if swallowed.
H302	Harmful if swallowed.
H310	Fatal 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.
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.
EUH208	Contains (1,2-benzisothiazol-3(2H)-one**,** Reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no.247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no.220-239-6] (3:1)). May produce an allergic reaction.

Training information: Comply with national laws regulating employee instruction.

Revision Information	Changes since the last version are highlighted in the margin. This version replaces all previous versions.
Disclaimer:	This information and all further technical advice is based on our present knowledge and experience. However, it implies no liability or other legal responsibility on our part, including with regard to existing third party intellectual property rights, especially patent rights. In particular, no warranty, whether express or implied, or guarantee of product properties in the legal sense is intended or implied. We reserve the right to make any changes according to technological progress or further developments. The customer is not released from the obligation to conduct careful inspection and testing of incoming goods. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of a customer. Reference to trade names used by other companies is neither a recommendation, nor does it imply that similar products could not be used.