

Product name: TEGO® Phobe 1409

SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006 (REACH) Article 31, Annex II as amended

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

1.1 Product identifier

Product name:
TEGO® Phobe 1409

Chemical name:
Emulsion of aminofunctional polydimethylsiloxanes

UFI: 8MQC-N0WS-S00Q-7HFM

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-sp@evonik.com

1.4 Emergency telephone number:

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

SECTION 2: Hazards identification

2.1 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 as amended.

Health Hazards

Skin irritation	Category 2	H315: Causes skin irritation.
Serious eye irritation	Category 2	H319: Causes serious eye irritation.

2.2 Label Elements

Product name: TEGO® Phobe 1409



Signal Words:

Warning

Hazard Statement(s):

H315: Causes skin irritation.
H319: Causes serious eye irritation.

Precautionary Statements

Prevention:

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.
P362+P364: Take off contaminated clothing and wash it before reuse.
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.

Supplemental label information

EUH208: Contains (tetrabutylammonium hydroxide, 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

D4/D5/D6 fulfills the screening criteria for PBT and vPvB substances. However, D4/D5/D6 does not behave like known PBT/vPvB substances. Field trials permit the scientific conclusion that D4/D5/D6 does not accumulate in the aquatic or terrestrial food chain.

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.

SECTION 3: Composition/information on ingredients

Chemical name:

Emulsion of aminofunctional polydimethylsiloxanes

3.2 Mixtures

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Chemical name	Concentration	CAS-No.	EC No.	REACH Registration No.	M-Factor:	Notes
Siloxanes and Silicones, di-Me, [[[3-aminopropyl)silyldiylidene]tris(oxy)]tris	20 - <50%	67923-10-8		-;	No data available.	
Isotridecanol, ethoxylated	1 - <3%	9043-30-5		-;	No data available.	
Ethanol (Ethyl alcohol)	1 - <3%	64-17-5	200-578-6	01-2119457610-43;	No data available.	#
tetrabutylamm onium hydroxide	0,1 - <1%	2052-49-5	218-147-6	01-2120231229-61;	No data available.	
octamethylcycl otetrasiloxane	0,025 - <0,06%	556-67-2	209-136-7	01-2119529238-36;	Aquatic Toxicity (Chronic): 10	##
1,2-benzisothiazol -3(2H)-one	0,001 - <0,02%	2634-33-5	220-120-9	01-2120761540-60;	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)	0,001 - <0,0015%	55965-84-9	911-418-6	01-2120764691-48;	Aquatic Toxicity (Acute): 100; Aquatic Toxicity (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
Siloxanes and Silicones, di-Me, [[[3-aminopropyl)silyldiylidene]tris(oxy)]tris	Classification: Skin Irrit.: 2: H315; Eye Irrit.: 2: H319; Supplemental label information: None known. Specific concentration limit: None known. Acute toxicity, oral: None known. Acute toxicity, inhalation: None known. Acute toxicity, dermal: None known.	None.
Isotridecanol, ethoxylated	Classification: Eye Dam.: 1: H318; Aquatic Chronic: 3: H412; Supplemental label information: None known.	None.

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	<p>Specific concentration limit: None known.</p> <p>Acute toxicity, oral: None known.</p> <p>Acute toxicity, inhalation: None known.</p> <p>Acute toxicity, dermal: None known.</p>	
Ethanol (Ethyl alcohol)	<p>Classification: Flam. Liq.: 2: H225; Eye Irrit.: 2: H319;</p> <p>Supplemental label information: None known.</p> <p>Specific concentration limit: Serious eye irritation Category 2, >= 50 %;</p> <p>Acute toxicity, oral: LD 50: 10.470 mg/kg</p> <p>Acute toxicity, inhalation: LC 50: 124,7 mg/l</p> <p>Acute toxicity, dermal: LD 50: > 20.000 mg/kg</p>	None.
tetrabutylammonium hydroxide	<p>Classification: Flam. Liq.: 3: H226; Acute Tox.: 4: H302; Skin Corr.: 1B: H314; Eye Dam.: 1: H318; Skin Sens.: 1: H317;</p> <p>Supplemental label information: None known.</p> <p>Specific concentration limit: None known.</p> <p>Acute toxicity, oral: LD 50: 1.000 mg/kg</p> <p>Acute toxicity, inhalation: None known.</p> <p>Acute toxicity, dermal: None known.</p>	None.
octamethylcyclotetrasiloxane	<p>Classification: Flam. Liq.: 3: H226; Repr.: 2: H361f; Aquatic Chronic: 1: H410;</p> <p>Supplemental label information: None known.</p> <p>Specific concentration limit: None known.</p> <p>Acute toxicity, oral: LD 50: > 5.000 mg/kg</p> <p>Acute toxicity, inhalation: LC 50: 36 mg/l</p> <p>Acute toxicity, dermal: LD 50: > 5.000 mg/kg</p>	None.
1,2-benzisothiazol-3(2H)-one	<p>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;</p> <p>Supplemental label information: None known.</p> <p>Specific concentration limit: Skin sensitizer Category 1, >= 0,05 %;</p> <p>Acute toxicity, oral: LD 50: 670 mg/kg</p> <p>Acute toxicity, inhalation: LC 50: 0,11 mg/l</p> <p>Acute toxicity, dermal: LD 50: > 2.000 mg/kg</p>	None.
Reaction mass of: 5-chloro-2-methyl-4-	<p>Classification: Acute Tox.: 3: H301; Acute Tox.: 2: H310; Acute Tox.: 2: H330; Skin Corr.: 1C: H314; Eye Dam.: 1:</p>	Note B

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isothiazolin-3-one [EC no.247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no.220-239-6] (3:1)	H318; Skin Sens.: 1A: H317; Aquatic Acute: 1: H400; Aquatic Chronic: 1: H410; Supplemental label information: EUH071; Specific concentration limit: Serious eye irritation Category 2, 0,06 - < 0,6 %; Skin irritation Category 2, 0,06 - < 0,6 %; Serious eye damage Category 1, >= 0,6 %; Skin sensitizer Sub-category 1A, >= 0,0015 %; Skin corrosion Sub-category 1C, >= 0,6 %; Acute toxicity, oral: LD 50: 64 mg/kg Acute toxicity, inhalation: LC 50: 0,33 mg/l Acute toxicity, dermal: LD 50: 87,12 mg/kg	
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CLP: Regulation No. 1272/2008.

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 immediately with soap and water If skin irritation persists, call a physician.
Eye contact:	In case of contact with eyes rinse thoroughly with plenty of water. If symptoms persist, seek medical advice.
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:	Serious eye irritation Skin irritation
Hazards:	No data available.

4.3 Indication of immediate medical attention and special treatment needed

Treatment:	Treat symptomatically.
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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.

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- 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 - Nitrogen oxides (NOx) 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. Ethanol may be split off by hydrolysis in the course of time; high temperatures can accelerate hydrolysis. Regulation (EC) 1272/2008 classifies ethanol as an inflammable gas belonging to hazard class II.
- Safe packaging materials:** No data available.

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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
Ethanol (Ethyl alcohol)	STEL 15 minutes		1.000 ppm	ELV (IE) (2018)

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
Ethanol (Ethyl alcohol)	Workers	Inhalation	Local, short-term; 1900 mg/m ³	irritation respiratory tract
	General population	Dermal	Systemic, long-term; 206 mg/kg	Repeated dose toxicity
	General population	Inhalation	Systemic, long-term; 114 mg/m ³	Carcinogenicity
	General population	Oral	Systemic, long-term; 87 mg/kg	Repeated dose toxicity
	Workers	Dermal	Systemic, long-term; 343 mg/kg	Repeated dose toxicity
	General population	Eyes	Local effect;	No hazard identified
	Workers	Inhalation	Systemic, long-term; 950 mg/m ³	
	Workers	Eyes	Local effect;	Medium hazard (no threshold derived)
	General population	Inhalation	Local, short-term; 950 mg/m ³	irritation respiratory tract
	General population	Eyes	Local effect;	Medium hazard (no threshold derived)
tetrabutylammonium hydroxide	Workers	Eyes	Local effect;	No hazard identified
	Workers	Dermal	Systemic, long-term; 1,4 mg/kg	Effect on fertility
	Workers	Eyes	Local effect;	No hazard identified
	General population	Inhalation	Systemic, long-term; 0,87 mg/m ³	Effect on fertility
	General population	Eyes	Local effect;	Low hazard (no threshold derived)
	General population	Dermal	Systemic, long-term; 0,5 mg/kg	Effect on fertility
	General population	Oral	Systemic, long-term; 0,5 mg/kg	Effect on fertility
	Workers	Inhalation	Systemic, long-term; 4,93 mg/m ³	Effect on fertility
octamethylcyclotetrasiloxane	General population	Inhalation	Systemic, long-term; 13 mg/m ³	Repeated dose toxicity
	Workers	Inhalation	Systemic, long-term; 73 mg/m ³	Repeated dose toxicity
	Workers	Inhalation	Local, long-term; 73 mg/m ³	Repeated dose toxicity
	General population	Inhalation	Local, long-term; 13 mg/m ³	Repeated dose toxicity
	Workers	Eyes	Local effect;	No hazard identified
	General population	Eyes	Local effect;	No hazard identified
	General population	Oral	Systemic, long-term; 3,7 mg/kg	Repeated dose toxicity

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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
Ethanol (Ethyl alcohol)	Predator	0,38 g/kg	Oral
	Sediment (marine water)	2,9 mg/kg	
	Predator	0,72 g/kg	Oral
	Sewage treatment plant	580 mg/l	
	Sediment (freshwater)	3,6 mg/kg	
	Soil	0,63 mg/kg	
	Aquatic (freshwater)	0,96 mg/l	
tetrabutylammonium hydroxide	Aquatic (marine water)	0,79 mg/l	
	Sediment (freshwater)	2,16 mg/kg	
	Aquatic (freshwater)	16,5 µg/l	
	Soil	0,421 mg/kg	
	Sediment (marine water)	0,216 mg/kg	
	Aquatic (marine water)	1,65 µg/l	
octamethylcyclotetrasiloxane	Sewage treatment plant	28,4 mg/l	
	Predator	41 mg/kg	Oral
	Soil	0,54 mg/kg	
	Sediment (freshwater)	3 mg/kg	
	Aquatic (freshwater)	1,5 µg/l	
	Aquatic (marine water)	0,15 µg/l	
1,2-benzisothiazol-3(2H)-one	Sewage treatment plant	10 mg/l	
	Sediment (marine water)	0,3 mg/kg	
	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	
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)	Sediment (freshwater)	4,99 µg/kg	
	Aquatic (freshwater)	4,03 µg/l	
	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	

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	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:	Additional Information: The protective gloves to be worn must satisfy the specifications of Regulation (EU) 2016/425 and the resulting Standard EN374., Specific workplace situations must be considered separately. Material: Nitrile rubber. Break-through time: 480 min Glove thickness: 0,11 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:	Remove soiled or soaked clothing immediately. When using do not eat, drink or smoke. Wash hands before breaks and immediately after handling the product. Use skin protective preparation as preventive skin protection.
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:	White
Odor:	specific to the product
Odor Threshold:	not measured
Freezing point:	not measured
Boiling Point:	not measured
Flammability:	not measured
Upper/lower limit on flammability or explosive limits	
Explosive limit - upper:	not measured
Explosive limit - lower:	not measured
Flash Point:	> 100 °C Method: DIN EN ISO 2719
Auto-ignition temperature:	not measured
Decomposition Temperature:	not measured
pH:	6 - 8 100 % 25 °C

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Viscosity

Dynamic viscosity:	100 - 500 mPa.s 25 °C Method: DIN 53015
Kinematic viscosity:	102 - 510 mm ² /s 25 °C , Method: calculated
Flow Time:	No data available.

Solubility(ies)

Solubility in Water:	miscible
Solubility (other):	not measured
Dissolution Rate:	No data available.
Partition coefficient (n-octanol/water):	not measured
Dispersion Stability:	No data available.

Vapor pressure:	not measured
Relative density:	not measured
Density:	0,98 g/cm ³ 25 °C Method: DIN 12791
Bulk density:	No data available.
Relative vapor density:	not measured

9.2 Other information

Explosive properties:	not measured
Oxidizing properties:	not oxidizing
Pyrophoric properties:	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:	Freezing. direct sunlight
10.5 Incompatible Materials:	Not known.
10.6 Hazardous Decomposition Products:	None with proper storage and handling.

SECTION 11: Toxicological information
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Product name: TEGO® Phobe 1409

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:	No data available.
Components:	
Siloxanes and Silicones, di-Me, [[[3-aminopropyl)silylidyne]tris(oxy)]tris	Not toxic after single exposure, No data available.
Isotridecanol, ethoxylated Ethanol (Ethyl alcohol)	Not toxic after single exposure, No data available.
tetrabutylammonium hydroxide	LD 50, Rat, Female, Male, 10.470 mg/kg, OECD 401, Not toxic after single exposure
octamethylcyclotetrasiloxane	LD 50, Rat, Female, 1.000 mg/kg, OECD 423, (analogy)
1,2-benzisothiazol-3(2H)-one	LD 50, Rat, Male, > 5.000 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, Female, Male, 670 mg/kg, OECD 401
	LD 50, Rat, Male, 64 mg/kg, OECD 401

Dermal

Product:	No data available.
Components:	
Siloxanes and Silicones, di-Me, [[[3-aminopropyl)silylidyne]tris(oxy)]tris	Not toxic after single exposure, No data available.
Isotridecanol, ethoxylated Ethanol (Ethyl alcohol)	Not toxic after single exposure, No data available.
tetrabutylammonium hydroxide	LD 50, Rabbit, > 20.000 mg/kg, Not toxic after single exposure, (analogy)
octamethylcyclotetrasiloxane	Not toxic after single exposure, No data available.
1,2-benzisothiazol-3(2H)-one	LD 50, Rat, Female, Male, > 5.000 mg/kg, OECD 402
Reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no.247-500-7] and 2-methyl-2H-isothiazol-3-	LD 50, Rat, Female, Male, > 2.000 mg/kg, OECD 402
	Not toxic after single exposure, No classification
	LD 50, Rabbit, Male, 87,12 mg/kg, OECD 402

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 one [EC no.220-239-6]
 (3:1)

Inhalation

Product:	No data available.
Components:	
Siloxanes and Silicones, di-Me, [[[3-aminopropyl)silyldiylidene]tris(oxy)]tris	Not toxic after single exposure, Vapour, No data available. Not toxic after single exposure, Dust and mist, No data available.
Isotridecanol, ethoxylated	Not toxic after single exposure, No data available., Vapour Not toxic after single exposure, No data available., Dust and mist
Ethanol (Ethyl alcohol)	LC 50, Rat, Female, Male, 4 h, 124,7 mg/l, OECD 403, Not toxic after single exposure, Vapour Not toxic after single exposure, Not applicable, Dust and mist
tetrabutylammonium hydroxide	Not toxic after single exposure, Vapour, No data available. Not toxic after single exposure, Dust and mist, No data available.
octamethylcyclotetrasiloxane	LC 50, Rat, Female, Male, 4 h, 36 mg/l, OECD 403, Vapour Not toxic after single exposure, Dust and mist, No data available.
1,2-benzisothiazol-3(2H)-one	LC 50, Rat, 4 h, 0,11 mg/l, OECD 403, Dust and mist Not toxic after single exposure, Not applicable, Vapour
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, OECD 403, Dust and mist Not toxic after single exposure, Not applicable, Vapour

Repeated dose toxicity

Product:	No data available.
Components:	
Siloxanes and Silicones, di-Me, [[[3-aminopropyl)silyldiylidene]tris(oxy)]tris	No data available.
Isotridecanol, ethoxylated	No data available.
Ethanol (Ethyl alcohol)	No data available.
tetrabutylammonium hydroxide	No data available.
octamethylcyclotetrasiloxane	NOAEC, Rat, Female, Male, Inhalation, Vapour, 5 days/weeks, 6 hours/day, 1,8 mg/l, Subchronic toxicity LOAEC, Rat, Female, Male, Inhalation, Vapour, 5 days/weeks, 6 hours/day, 8,5 mg/l, chronic NOAEC, Rat, Female, Male, Inhalation, Vapour, 5 days/weeks, 6 hours/day, 0,36 mg/l, Subacute toxicity
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:	

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Siloxanes and Silicones, di-Me, [[[3-aminopropyl)silyldiyl]tris(oxy)]tris	Irritating.
Isotridecanol, ethoxylated	No data available.
Ethanol (Ethyl alcohol)	Not irritating, OECD 404, Rabbit
tetrabutylammonium hydroxide	Corrosive.
octamethylcyclotetrasiloxane	Not irritating, OECD 404, Rabbit
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:

Siloxanes and Silicones, di-Me, [[[3-aminopropyl)silyldiyl]tris(oxy)]tris	Irritating., Rabbit
Isotridecanol, ethoxylated	Risk of serious damage to eyes., CESIO
Ethanol (Ethyl alcohol)	Irritating., OECD 405, Rabbit
tetrabutylammonium hydroxide	Risk of serious damage to eyes.
octamethylcyclotetrasiloxane	Not irritating, OECD 405, Rabbit
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:

Siloxanes and Silicones, di-Me, [[[3-aminopropyl)silyldiyl]tris(oxy)]tris	Magnussona i Kligmana., OECD 406, Guinea Pig, Not a skin sensitizer.
Isotridecanol, ethoxylated	No data available.
Ethanol (Ethyl alcohol)	Maximization Test, OECD 406, Guinea pig, Not a skin sensitizer.
tetrabutylammonium hydroxide	Respiratory sensitizer, Rat, Not a respiratory sensitizer May cause sensitization by skin contact.
octamethylcyclotetrasiloxane	Magnussona i Kligmana., OECD 406, Rabbit, Not a skin sensitizer. Sensitization test, Human, Not a skin sensitizer.
1,2-benzisothiazol-3(2H)-one	Maximization Test, OECD 406, Guinea Pig, Not a skin sensitizer. Maximization Test, US-EPA-method, Guinea Pig, May cause sensitization by skin contact.

Product name: TEGO® Phobe 1409

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:

Siloxanes and Silicones, di-Me, [[[3-aminopropyl)silyldiyl]tris(oxy)]tris

No data available.

Isotridecanol, ethoxylated

No data available.

Ethanol (Ethyl alcohol)

Not classified

tetrabutylammonium

No data available.

hydroxide

octamethylcyclotetrasiloxane

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.

Germ Cell Mutagenicity

No data available.

In vitro

Product: No data available.

Components:

Siloxanes and Silicones, di-Me, [[[3-aminopropyl)silyldiyl]tris(oxy)]tris

No data available.

Isotridecanol, ethoxylated

No data available.

Ethanol (Ethyl alcohol)

Ames test, OECD 471: , negative, (analogy)

gene mutation test, OECD 476: , negative, (analogy)

tetrabutylammonium

No data available.

hydroxide

octamethylcyclotetrasiloxane

Ames 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

Product name: TEGO® Phobe 1409

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:

Siloxanes and Silicones, di-Me, [[[3-aminopropyl)silyldiyl]tris(oxy)]tris
 Isotridecanol, ethoxylated
 Ethanol (Ethyl alcohol) Chromosomal aberration, OECD 478, Oral, Mouse, Male, negative

tetrabutylammonium hydroxide No data available.

octamethylcyclotetrasiloxane
 Micronucleus test, OECD 474, Inhalation - vapor, Rat, negative
 Chromosomal aberration, OECD 478, Oral, Rat, negative
 Chromosomal aberration, OECD 475, Inhalation - vapor, Rat, Female, Male, negative

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:

Siloxanes and Silicones, di-Me, [[[3-aminopropyl)silyldiyl]tris(oxy)]tris
 Isotridecanol, ethoxylated
 Ethanol (Ethyl alcohol) Not classified

tetrabutylammonium hydroxide No data available.

octamethylcyclotetrasiloxane Suspected of damaging fertility or the unborn child. Suspected of damaging fertility.

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 name: TEGO® Phobe 1409

Product: No data available.

Components:

Siloxanes and Silicones, di-Me, [[[3-aminopropyl)silyldiyl]tris(oxy)]tris	No data available.
Isotridecanol, ethoxylated	No data available.
Ethanol (Ethyl alcohol)	No data available.
tetrabutylammonium hydroxide	No data available.
octamethylcyclotetrasiloxane	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.

Specific Target Organ Toxicity - Repeated Exposure

Product: No data available.

Components:

Siloxanes and Silicones, di-Me, [[[3-aminopropyl)silyldiyl]tris(oxy)]tris	No data available.
Isotridecanol, ethoxylated	No data available.
Ethanol (Ethyl alcohol)	No data available.
tetrabutylammonium hydroxide	No data available.
octamethylcyclotetrasiloxane	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.

Aspiration Hazard

Product: Not classified

Components:

Siloxanes and Silicones, di-Me, [[[3-aminopropyl)silyldiyl]tris(oxy)]tris	Not classified
Isotridecanol, ethoxylated	Not classified
Ethanol (Ethyl alcohol)	Not classified
tetrabutylammonium hydroxide	Not classified
octamethylcyclotetrasiloxane	Not classified

Product name: TEGO® Phobe 1409

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)

Not applicable
 Not classified

11.2 Information on other hazards
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:

Siloxanes and Silicones, di-Me, [[[3-aminopropyl)silyldiylne]tris(oxy)]tris	No data available.
Isotridecanol, ethoxylated	No data available.
Ethanol (Ethyl alcohol)	No data available.
tetrabutylammonium hydroxide	No data available.
octamethylcyclotetrasiloxane	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.

Other information

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".;

SECTION 12: Ecological information

12.1 Toxicity:
Acute hazards to the aquatic environment:
Fish

Product: No data available.

Components:

Siloxanes and Silicones, di-Me, [[[3-aminopropyl)silyldiylne]tris(oxy)]tris	No data available.
Isotridecanol, ethoxylated	No data available.

Product name: TEGO® Phobe 1409

Ethanol (Ethyl alcohol)	LC 50, Pimephales promelas, 96 h, 11.200 mg/l US-EPA-method
tetrabutylammonium hydroxide	LC 50, Danio rerio, 96 h, > 100 mg/l OECD 203, (analogy)
octamethylcyclotetrasiloxane	LC 50, Oncorhynchus mykiss, 96 h, > 22 µg/l US-EPA-method
1,2-benzisothiazol-3(2H)-one	NOEC, Oncorhynchus mykiss, 96 h, 22 µg/l US-EPA-method
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, Oncorhynchus mykiss, 96 h, 2,15 mg/l OECD 203
	No data available.

Aquatic Invertebrates

Product:	No data available.
Components:	
Siloxanes and Silicones, di-Me, [[[3-aminopropyl)silyldiyl]tris(oxy)]tris	No data available.
Isotridecanol, ethoxylated	No data available.
Ethanol (Ethyl alcohol)	LC 50, Ceriodaphnia dubia, 48 h, 5.012 mg/l
tetrabutylammonium hydroxide	EC 50, Daphnia magna, 48 h, 16,5 mg/l OECD 202, (analogy)
octamethylcyclotetrasiloxane	NOEC, Daphnia magna, 48 h, 15 µg/l US-EPA-method
1,2-benzisothiazol-3(2H)-one	EC 50, Daphnia magna, 48 h, > 15 µg/l US-EPA-method
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)	EC 50, Daphnia magna, 48 h, 2,9 mg/l OECD 202
	No data available.

Toxicity to Aquatic Plants

Product:	No data available.
Components:	
Siloxanes and Silicones, di-Me, [[[3-aminopropyl)silyldiyl]tris(oxy)]tris	No data available.
Isotridecanol, ethoxylated	No data available.
Ethanol (Ethyl alcohol)	EC 50 (Chlorella vulgaris (Fresh water algae), 72 h): 275 mg/l (OECD 201)
tetrabutylammonium hydroxide	EC 50 (Chlorella vulgaris (Fresh water algae), 72 h): > 200 mg/l (OECD 201)
octamethylcyclotetrasiloxane	EC 50 (Algae (Pseudokirchneriella subcapitata), 96 h): > 22 µg/l (US-EPA-method)
	EC 50 (Algae (Pseudokirchneriella subcapitata), 96 h): > 22 µg/l (US-EPA-method)
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 data available.

Product name: TEGO® Phobe 1409

no.247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no.220-239-6] (3:1)

Toxicity to microorganisms

Product:	No data available.
Components:	
Siloxanes and Silicones, di-Me, [[[3-aminopropyl)silyldiyl]tris(oxy)]tris	No data available.
Isotridecanol, ethoxylated	No data available.
Ethanol (Ethyl alcohol)	IC 50, activated sludge, 3 h, > 1.000 mg/l, OECD 209, (analogy)
tetrabutylammonium hydroxide	No data available.
octamethylcyclotetrasiloxane	No data available.
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:	
Siloxanes and Silicones, di-Me, [[[3-aminopropyl)silyldiyl]tris(oxy)]tris	No data available.
Isotridecanol, ethoxylated	No data available.
Ethanol (Ethyl alcohol)	No data available.
tetrabutylammonium hydroxide	No data available.
octamethylcyclotetrasiloxane	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:	
Siloxanes and Silicones, di-Me, [[[3-aminopropyl)silyldiyl]tris(oxy)]tris	No data available.
Isotridecanol, ethoxylated	No data available.
Ethanol (Ethyl alcohol)	No data available.

Product name: TEGO® Phobe 1409

tetrabutylammonium hydroxide	No data available.
octamethylcyclotetrasiloxane	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.

Chronic hazards to the aquatic environment:
Fish

Product:	No data available.
Components:	
Siloxanes and Silicones, di-Me, [[[3-aminopropyl)silyldiyl]tris(oxy)]tris	No data available.
Isotridecanol, ethoxylated	No data available.
Ethanol (Ethyl alcohol)	NOEC, Danio rerio, 120 h, 1.000 mg/l, OECD 212
tetrabutylammonium hydroxide	No data available.
octamethylcyclotetrasiloxane	NOEC, Oncorhynchus mykiss, 93 d, 4,4 µg/l, US-EPA-method
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:	
Siloxanes and Silicones, di-Me, [[[3-aminopropyl)silyldiyl]tris(oxy)]tris	No data available.
Isotridecanol, ethoxylated	No data available.
Ethanol (Ethyl alcohol)	LC 50, Ceriodaphnia dubia, 10 d, 1.806 mg/l NOEC, Ceriodaphnia dubia, 10 d, 9,6 mg/l LC 50, Daphnia magna, 2 d, 9.248 mg/l LC 50, Daphnia magna, 9 d, 454 mg/l NOEC, Daphnia magna, 9 d, 9,6 mg/l
tetrabutylammonium hydroxide	No data available.
octamethylcyclotetrasiloxane	NOEC, Daphnia magna, 21 d, 15 µg/l, EPA OTS 797.1330 Lowest Observed Effect Concentration, Daphnia magna, 21 d, 15 µg/l, EPA OTS 797.1330 EC 50, Daphnia magna, 21 d, > 15 µg/l, EPA OTS 797.1330

Product name: TEGO® Phobe 1409

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:

Siloxanes and Silicones, di-Me, [[[3-aminopropyl)silyldiyl]tris(oxy)]tris No data available.

Isotridecanol, ethoxylated No data available.

Ethanol (Ethyl alcohol) No data available.

tetrabutylammonium No data available.

hydroxide

octamethylcyclotetrasiloxane NOEC (Algae (*Pseudokirchneriella subcapitata*), 96 h): < 22 µg/l (US-EPA-method)

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:

Siloxanes and Silicones, di-Me, [[[3-aminopropyl)silyldiyl]tris(oxy)]tris No data available.

Isotridecanol, ethoxylated No data available.

Ethanol (Ethyl alcohol) IC 50, activated sludge, 3 h, > 1.000 mg/l, OECD 209, (analogy)

tetrabutylammonium No data available.

hydroxide

octamethylcyclotetrasiloxane No data available.

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:

Siloxanes and Silicones, No data available.

Product name: TEGO® Phobe 1409

di-Me, [[[3-aminopropyl)silyldiylidene]tris (oxy)]tris	
Isotridecanol, ethoxylated	No data available.
Ethanol (Ethyl alcohol)	No data available.
tetrabutylammonium hydroxide	No data available.
octamethylcyclotetrasiloxane	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:

Siloxanes and Silicones, di-Me, [[[3-aminopropyl)silyldiylidene]tris (oxy)]tris	No data available.
Isotridecanol, ethoxylated	No data available.
Ethanol (Ethyl alcohol)	No data available.
tetrabutylammonium hydroxide	No data available.
octamethylcyclotetrasiloxane	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.

12.2 Persistence and Degradability
Biodegradation

Product: No data available.

Components:

Siloxanes and Silicones, di-Me, [[[3-aminopropyl)silyldiylidene]tris (oxy)]tris	No data available.
Isotridecanol, ethoxylated	No data available.
Ethanol (Ethyl alcohol)	84 %, 20 d, The product is easily biodegradable., aerobic
tetrabutylammonium hydroxide	The product is easily biodegradable.
octamethylcyclotetrasiloxane	3,7 %, 28 d, OECD 310, The product is not biodegradable., aerobic
1,2-benzisothiazol-3(2H)-one	No data available.

Product name: TEGO® Phobe 1409

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.

BOD/COD Ratio
Components:

Ethanol (Ethyl alcohol) 58 %

12.3 Bioaccumulative potential
Bioconcentration Factor (BCF)

Product: No data available.

Components:

Siloxanes and Silicones, di-Me, [[[3-aminopropyl)silyldiyl]tris(oxy)]tris No data available.

Isotridecanol, ethoxylated No data available.

Ethanol (Ethyl alcohol) No data available.

tetrabutylammonium No data available.

hydroxide

octamethylcyclotetrasiloxane No data available.

ane

1,2-benzisothiazol-3(2H)-one 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.

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)

one [EC no.220-239-6] (3:1)

one [EC no.220-239-6] (3:1)

one [EC no.220-239-6] (3:1)

one [EC no.220-239-6] (3:1)

one [EC no.220-239-6] (3:1)

Partition Coefficient n-octanol / water (log Kow)

Product: not measured

Components:

Siloxanes and Silicones, di-Me, [[[3-aminopropyl)silyldiyl]tris(oxy)]tris No data available.

Isotridecanol, ethoxylated No data available.

Ethanol (Ethyl alcohol) -0,35, 20 °C

tetrabutylammonium 1,518, 25 °C, OECD 117

hydroxide

octamethylcyclotetrasiloxane 6,488, 25,1 °C, OECD 123

ane

1,2-benzisothiazol-3(2H)-one 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.

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)

one [EC no.220-239-6] (3:1)

one [EC no.220-239-6] (3:1)

one [EC no.220-239-6] (3:1)

one [EC no.220-239-6] (3:1)

one [EC no.220-239-6] (3:1)

one [EC no.220-239-6] (3:1)

one [EC no.220-239-6] (3:1)

one [EC no.220-239-6] (3:1)

Product name: TEGO® Phobe 1409

12.4 Mobility in soil:

Product No data available.

Components:

Siloxanes and Silicones, di-No data available.

Me, [[[3-aminopropyl)silyldiyl]tris(oxyl)]tris

Isotridecanol, ethoxylated No data available.

Ethanol (Ethyl alcohol) No data available.

tetrabutylammonium No data available.

hydroxide

octamethylcyclotetrasiloxane No data available.

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

Reaction mass of: 5-chloro-No data available.

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)

12.5 Results of PBT and vPvB assessment:

Product No data available.

Components:

Siloxanes and Silicones, di- Non-classified vPvB substance

Me, [[[3-aminopropyl)silyldiyl]tris(oxyl)]tris Non-classified PBT substance

Isotridecanol, ethoxylated

Non-classified vPvB substance

Non-classified PBT substance

Ethanol (Ethyl alcohol)

Non-classified vPvB substance,

Non-classified PBT substance

tetrabutylammonium

Non-classified vPvB substance

hydroxide

Non-classified PBT substance

octamethylcyclotetrasiloxane vPvB: very persistent and very

bioaccumulative substance. PBT:

persistent, bioaccumulative and

toxic substance.

1,2-benzisothiazol-3(2H)-one Non-classified vPvB substance

Non-classified PBT substance

Reaction mass of: 5-chloro- Non-classified vPvB substance

2-methyl-4-isothiazolin-3-one Non-classified PBT substance

[EC no.247-500-7] and 2-

methyl-2H-isothiazol-3-one

[EC no.220-239-6] (3:1)

12.6 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:

Siloxanes and Silicones, di-No data available.

Me, [[[3-aminopropyl)silyldiyl]tris(oxyl)]tris

Isotridecanol, ethoxylated No data available.

Ethanol (Ethyl alcohol) No data available.

Product name: TEGO® Phobe 1409

tetrabutylammonium hydroxide	No data available.
octamethylcyclotetrasiloxane	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.

12.7 Other adverse effects:
Other hazards
Product:

The product is classified as slightly hazardous to waters (according to the German Regulation on the Classification of Substances Hazardous to Waters (WwSV). Do not allow to enter soil, waterways or waste water canal. Based on expert judgement and on experimental data within an analogue approach, the maximum estimated aqueous concentration of typical impurities of siloxane polymers, migrating into water is below their established no-effect threshold value for aquatic organisms.

SECTION 13: Disposal considerations
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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.

Product name: TEGO® Phobe 1409

SECTION 15: Regulatory information
15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:
EU Regulations
Regulation (EC) No. 1907/2006 Annex XVII Substances subject to restriction on marketing and use:

Chemical name	CAS-No.	Entry No:
Ethanol (Ethyl alcohol)	64-17-5	40
octamethylcyclotetrasiloxane	556-67-2	70
1,2-benzisothiazol-3(2H)-one	2634-33-5	75
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)	55965-84-9	75

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:

 IR_OEL: Ireland. OELVs, Schedule 1 (Code of Practice for Chemical Agents Regulations), as amended
 IR_OEL / STEL: Short Term Exposure Limit (STEL):

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

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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:

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.
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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
Skin irritation, Category 2	Calculation method
Serious eye irritation, Category 2	On basis of test data

Wording of the H-statements in section 2 and 3

H225	Highly flammable liquid and vapor.
H226	Flammable liquid and vapor.
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.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H361f	Suspected of damaging fertility.
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.

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EUH208	Contains (tetrabutylammonium hydroxide, 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.
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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.

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