

Product name: TEGO® Guard 9000

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® Guard 9000

Chemical name:
Branched polysiloxane 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-sp@evonik.com

1.4 Emergency telephone number:

24-Hour Health : +49 2365 49 2232
Emergency : +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

Health Hazards

Serious eye irritation	Category 2	H319: Causes serious eye irritation.
Skin sensitizer	Category 1	H317: May cause an allergic skin reaction.

2.2 Label Elements

Product name: TEGO® Guard 9000

Signal Words: Warning

Hazard Statement(s): H319: Causes serious eye irritation.
 H317: May cause an allergic skin reaction.

Precautionary Statements
Prevention: P261: Avoid breathing dust/fume/gas/mist/vapors/spray.
 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.

Hazardous ingredients which must be listed on the label:

Siloxanes and Silicones, di-Me, 3-(oxiranylmethoxy)propyl group-terminated

2.3 Other hazards

None known.

SECTION 3: Composition/information on ingredients
Chemical name:

Branched polysiloxane emulsion

3.2 Mixtures

Chemical name	Concentration	CAS-No.	EC No.	UK-REACH Registration No.	REACH Registration No.	M-Factor:	Notes
Siloxanes and Silicones, di-Me, 3-(oxiranylmethoxy)propyl group-terminated	1 - <5%	102782-97-8		-	-	No data available.	
Isotridecanol, ethoxylated	1 - <3%	9043-30-5		-	-	No data available.	
2-propen-1-aminium, N,N-dimethyl-N-	1 - <5%	26062-79-3			No data available.	No data available.	

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2-propenyl-, chloride, homopolymer							
1,2-benzisothiazol-3(2H)-one	0 - <0.05%	2634-33-5	220-120-9		01-212076154 0-60	Aquatic Toxicity (Acute): 1	
octamethylcyclotetrasiloxane	0.01 - <0.1%	556-67-2	209-136-7	-	01-211952923 8-36	Aquatic Toxicity (Chronic): 10	##
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		01-212076469 1-48	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-(oxiranylmethoxy)propyl group-terminated	Classification: Skin Irrit.: 2: H315; Eye Irrit.: 2: H319; Skin Sens.: 1: H317; Supplemental label information: None known.	None.
Isotridecanol, ethoxylated	Classification: Eye Dam.: 1: H318; Aquatic Chronic: 3: H412; Supplemental label information: None known.	None.
2-propen-1-aminium, N,N-dimethyl-N-2-propenyl-, chloride, homopolymer	Classification: Aquatic Chronic: 3: H412; Supplemental label information: None known.	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.	None.
octamethylcyclotetrasiloxane	Classification: Flam. Liq.: 3: H226; Repr.: 2: H361f; Aquatic Chronic: 1: H410; Supplemental label information: None known.	None.
Reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no.247-500-7] and 2-	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;	Note B, EUH071

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methyl-2H-isothiazol-3-one [EC no.220-239-6] (3:1)	Supplemental label information: EUH071;	
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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:	Immediately remove contaminated clothing.
Inhalation:	fresh air supply, consult a doctor if feeling unwell.
Skin Contact:	In case of contact with skin wash off 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:	Skin irritation Serious eye 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.

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 firefighters:	Do not inhale explosion and/or combustion gases. Use self-contained breathing apparatus and wear protective suit

SECTION 6: Accidental release measures

Product name: TEGO® Guard 9000

- 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:** Pick up with absorbent material (e.g. sand, sawdust, general-purpose 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). Use respiratory protection during spraying. 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

None of the components have assigned exposure limits.

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
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/m ³	Repeated dose toxicity

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	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/m ³	Repeated dose toxicity
	General population	Eyes	Local effect;	Medium hazard (no threshold derived)
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
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/m ³	Repeated dose toxicity
	General population	Inhalation	Local, short-term; 0.04 mg/m ³	Repeated dose toxicity
	Workers	Inhalation	Local, long-term; 0.02 mg/m ³	Repeated dose toxicity
	Workers	Inhalation	Local, short-term; 0.04 mg/m ³	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
Poly(oxy-1,2-ethanediyl), alpha-(1-octadecyl)-omega-hydroxy-	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	
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	
Decamethylcyclopentasiloxane	Aquatic (freshwater)	0.96 mg/l	
	Aquatic (marine water)	0.79 mg/l	
	Predator	16 mg/kg	Oral
	Sewage treatment plant	10 mg/l	
	Soil	2.54 mg/kg	
	Aquatic (marine water)	0.12 µg/l	
Dodecamethylcyclohexasiloxane	Sediment (marine water)	1.1 mg/kg	
	Aquatic (freshwater)	1.2 µg/l	
	Sediment (freshwater)	11 mg/kg	
	Predator	66.7 mg/kg	Oral
	Sediment (marine water)	1.3 mg/kg	
	Sewage treatment plant	1 mg/l	
	Soil	3.77 mg/kg	
	Sediment (freshwater)	13 mg/kg	

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Ethyl acetate	Sediment (marine water)	0.115 mg/kg	
	Aquatic (freshwater)	0.24 mg/l	
	Sewage treatment plant	650 mg/l	
	Predator	0.2 g/kg	Oral
	Sediment (freshwater)	1.15 mg/kg	
	Aquatic (marine water)	0.024 mg/l	
butan-1-ol	Soil	0.148 mg/kg	
	Sediment (marine water)	0.032 mg/kg	
	Sediment (freshwater)	0.324 mg/kg	
	Aquatic (freshwater)	0.082 mg/l	
	Aquatic (marine water)	0.008 mg/l	
1,2-benzisothiazol-3(2H)-one	Sewage treatment plant	2476 mg/l	
	Soil	0.017 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	
octamethylcyclotetrasiloxane	Sediment (freshwater)	4.99 µg/kg	
	Aquatic (freshwater)	4.03 µg/l	
	Predator	41 mg/kg	Oral
	Soil	0.54 mg/kg	
	Sediment (freshwater)	3 mg/kg	
Sodium nitrate	Aquatic (freshwater)	1.5 µg/l	
	Aquatic (marine water)	0.15 µg/l	
	Sewage treatment plant	10 mg/l	
	Sediment (marine water)	0.3 mg/kg	
	Sewage treatment plant	18 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)	Sewage treatment plant	0.23 mg/l
2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether	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	
propane-1,2-diol	Predator	56 mg/kg	Oral
	Aquatic (freshwater)	1.1 mg/l	
	Soil	0.32 mg/kg	
	Sediment (marine water)	0.44 mg/kg	
	Sewage treatment plant	200 mg/l	
	Sediment (freshwater)	4.4 mg/kg	
2-Propanol, 1,1',1''-nitrotris-	Aquatic (marine water)	0.11 mg/l	
	Sewage treatment plant	20000 mg/l	
	Sediment (marine water)	57.2 mg/kg	
	Aquatic (marine water)	26 mg/l	
	Soil	50 mg/kg	
	Aquatic (freshwater)	260 mg/l	
sodium chloride	Sediment (freshwater)	572 mg/kg	
	Aquatic (freshwater)	0.94 mg/l	
	Aquatic (marine water)	0.094 mg/l	
	Sediment (freshwater)	54.9 mg/kg	
	Soil	10.4 mg/kg	
1-Methylimidazole	Sewage treatment plant	2.26 mg/l	
	Sediment (marine water)	5.49 mg/kg	
	Aquatic (freshwater)	5 mg/l	
	Sewage treatment plant	500 mg/l	
	Soil	4.86 mg/kg	
Cyclohexane	Sediment (freshwater)	4.43 mg/kg	
	Sediment (marine water)	0.443 mg/kg	
	Aquatic (freshwater)	0.1 mg/l	
	Soil	0.825 mg/kg	
	Aquatic (marine water)	0.01 mg/l	
	Sewage treatment plant	589.6 mg/l	
1,2-benzisothiazol-3(2H)-one	Sewage treatment plant	3.24 mg/l	
	Sediment (freshwater)	3.6 mg/kg	
	Sediment (marine water)	0.36 mg/kg	
	Aquatic (freshwater)	44.7 µg/l	
	Aquatic (marine water)	4.47 µg/l	

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	Soil	0.694 mg/kg	
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8.2 Exposure controls

Appropriate Engineering Controls: No data available.

Individual protection measures, such as personal protective equipment

Eye/face protection: Safety glasses

Hand Protection: Material: Nitrile rubber.
Break-through time: 240 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: Wash hands before breaks and immediately after handling the product. When using do not eat, drink or smoke. Remove soiled or soaked clothing immediately. 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 at 25 °C
Concentration: 100 %

Viscosity

Dynamic viscosity: 500 - 1,000 mPa.s at 25 °C

Kinematic viscosity: 500 - 1000 mm²/s at 25 °C ,
Method: calculated

Product name: TEGO® Guard 9000

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:	0.99 - 1 g/cm ³
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:	Freezing. direct sunlight
10.5 Incompatible Materials:	Oxidizing agents.
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:	Not toxic after single exposure, No data available.
Siloxanes and Silicones, di-Me, 3- (oxiranylmethoxy)propyl	

Product name: TEGO® Guard 9000

group-terminated
 Isotridecanol, ethoxylated
 2-propen-1-aminium,
 N,N-dimethyl-N-2-
 propenyl-, chloride,
 homopolymer
 1,2-benzisothiazol-3(2H)-
 one
 octamethylcyclotetrasilox
 ane
 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 toxic after single exposure, No data available.
 LD 50, Rat, > 2,000 mg/kg, Not toxic after single exposure
 LD 50, Rat, Female, Male, 670 mg/kg, OECD 401
 LD 50, Rat, Male, > 5,000 mg/kg, OECD 401
 LD 50, Rat, Male, 64 mg/kg, OECD 401

Dermal

Product: LD 50, ATEmix, > 5,000 mg/kg

Components:

Siloxanes and Silicones,
 di-Me, 3-
 (oxiranylmethoxy)propyl
 group-terminated
 Isotridecanol, ethoxylated
 2-propen-1-aminium,
 N,N-dimethyl-N-2-
 propenyl-, chloride,
 homopolymer
 1,2-benzisothiazol-3(2H)-
 one
 octamethylcyclotetrasilox
 ane
 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 toxic after single exposure, No data available.
 Not toxic after single exposure, No data available.
 LD 50, Rat, > 2,000 mg/kg
 Not toxic after single exposure, No classification
 LD 50, Rat, Female, Male, > 2,000 mg/kg, OECD 402
 Not toxic after single exposure, No classification
 LD 50, Rat, Female, Male, > 5,000 mg/kg, OECD 402
 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:

Siloxanes and Silicones,
 di-Me, 3-
 (oxiranylmethoxy)propyl
 group-terminated
 Isotridecanol, ethoxylated
 2-propen-1-aminium,
 N,N-dimethyl-N-2-
 propenyl-, chloride,
 homopolymer
 1,2-benzisothiazol-3(2H)-
 one
 octamethylcyclotetrasilox
 ane

Not toxic after single exposure, Vapour, No data available.
 Not toxic after single exposure, Dust and mist, No data available.
 Not toxic after single exposure, No data available., Vapour
 Not toxic after single exposure, No data available., Dust and mist
 Vapour, Not toxic after single exposure, No data available.
 Dust and mist, Not toxic after single exposure, No data available.
 LC 50, Rat, 4 h, 0.11 mg/l, Dust and mist, OECD 403
 Vapour, Not toxic after single exposure, Not applicable
 LC 50, Rat, Female, Male, 4 h, 36 mg/l, OECD 403, Vapour
 Not toxic after single exposure, Dust and mist, No data available.

Product name: TEGO® Guard 9000

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:

Siloxanes and Silicones, di-Me, 3-(oxiranylmethoxy)propyl group-terminated

No data available.

Isotridecanol, ethoxylated 2-propen-1-aminium, N,N-dimethyl-N-2-propenyl-, chloride, homopolymer

No data available.
No data available.

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

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

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:

Siloxanes and Silicones, di-Me, 3-(oxiranylmethoxy)propyl group-terminated

Irritating.

Isotridecanol, ethoxylated 2-propen-1-aminium, N,N-dimethyl-N-2-propenyl-, chloride, homopolymer

No data available.
Not irritating

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

Irritating., EPA OPP 81-5, Rabbit

octamethylcyclotetrasiloxane

Not irritating, OECD 404, 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 name: TEGO® Guard 9000

Product:	No data available.
Components:	
Siloxanes and Silicones, di-Me, 3-(oxiranylmethoxy)propyl group-terminated	Irritating.
Isotridecanol, ethoxylated	Risk of serious damage to eyes., CESIO
2-propen-1-aminium, N,N-dimethyl-N-2-propenyl-, chloride, homopolymer	Not irritating
1,2-benzisothiazol-3(2H)-one	Risk of serious damage to eyes., OECD 437, Bovine cornea
octamethylcyclotetrasiloxane	Not irritating, OECD 405, 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)	Risk of serious damage to eyes.

Respiratory or Skin Sensitization

Product:	No data available.
Components:	
Siloxanes and Silicones, di-Me, 3-(oxiranylmethoxy)propyl group-terminated	May cause sensitization by skin contact.
Isotridecanol, ethoxylated	No data available.
2-propen-1-aminium, N,N-dimethyl-N-2-propenyl-, chloride, homopolymer	Non sensitising
1,2-benzisothiazol-3(2H)-one	Maximization Test, US-EPA-method, Guinea Pig, May cause sensitization by skin contact.
octamethylcyclotetrasiloxane	Magnussona i Kligmana., OECD 406, Rabbit, Not a skin sensitizer. Sensitization test, Human, Not a skin sensitizer. Maximization Test, OECD 406, Guinea Pig, Not a skin sensitizer.
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-(oxiranylmethoxy)propyl group-terminated	No data available.
Isotridecanol, ethoxylated	No data available.
2-propen-1-aminium, N,N-dimethyl-N-2-propenyl-, chloride, homopolymer	No data available.
1,2-benzisothiazol-3(2H)-one	No data available.

Product name: TEGO® Guard 9000

octamethylcyclotetrasiloxane 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-(oxiranylmethoxy)propyl group-terminated No data available.

Isotridecanol, ethoxylated No data available.

2-propen-1-aminium, N,N-dimethyl-N-2-propenyl-, chloride, homopolymer No data available.

1,2-benzisothiazol-3(2H)-one gene mutation test, OECD 471: , negative
 Chromosomal aberration, OECD 473: , positive
 gene mutation test, OECD 476: , negative

octamethylcyclotetrasiloxane Ames test, OECD 471: , negative
 Chromosomal aberration, OECD 473: , negative
 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:

Siloxanes and Silicones, di-Me, 3-(oxiranylmethoxy)propyl group-terminated No data available.

Isotridecanol, ethoxylated No data available.

2-propen-1-aminium, N,N-dimethyl-N-2-propenyl-, chloride, homopolymer No data available.

1,2-benzisothiazol-3(2H)-one DNA damage and/or repair, OECD 486, Oral, Rat, Male, negative

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

Product name: TEGO® Guard 9000

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-(oxiranylmethoxy)propyl group-terminated No data available.

Isotridecanol, ethoxylated No data available.

2-propen-1-aminium, N,N-dimethyl-N-2-propenyl-, chloride, homopolymer No data available.

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

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

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:

Siloxanes and Silicones, di-Me, 3-(oxiranylmethoxy)propyl group-terminated No data available.

Isotridecanol, ethoxylated No data available.

2-propen-1-aminium, N,N-dimethyl-N-2-propenyl-, chloride, homopolymer No data available.

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

octamethylcyclotetrasiloxane 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:

Product name: TEGO® Guard 9000

Siloxanes and Silicones, di-Me, 3-(oxiranylmethoxy)propyl group-terminated	No data available.
Isotridecanol, ethoxylated	No data available.
2-propen-1-aminium, N,N-dimethyl-N-2-propenyl-, chloride, homopolymer	No data available.
1,2-benzisothiazol-3(2H)-one	No data available.
octamethylcyclotetrasiloxane	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-(oxiranylmethoxy)propyl group-terminated	Not classified
Isotridecanol, ethoxylated	Not classified
2-propen-1-aminium, N,N-dimethyl-N-2-propenyl-, chloride, homopolymer	No data available.
1,2-benzisothiazol-3(2H)-one	Not applicable
octamethylcyclotetrasiloxane	Not classified
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:

Siloxanes and Silicones, No data available.

Product name: TEGO® Guard 9000

di-Me, 3-(oxiranylmethoxy)propyl group-terminated Isotridecanol, ethoxylated	No data available.
2-propen-1-aminium, N,N-dimethyl-N-2-propenyl-, chloride, homopolymer	No data available.
1,2-benzisothiazol-3(2H)-one	LC 50, Oncorhynchus mykiss, 96 h, 2.15 mg/l OECD 203
octamethylcyclotetrasiloxane	LC 50, Oncorhynchus mykiss, 96 h, > 22 µg/l US-EPA-method 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)	No data available.

Aquatic Invertebrates

Product: No data available.

Components:

Siloxanes and Silicones, di-Me, 3-(oxiranylmethoxy)propyl group-terminated Isotridecanol, ethoxylated	No data available.
2-propen-1-aminium, N,N-dimethyl-N-2-propenyl-, chloride, homopolymer	No data available.
1,2-benzisothiazol-3(2H)-one	EC 50, Daphnia magna, 48 h, 2.9 mg/l OECD 202
octamethylcyclotetrasiloxane	NOEC, Daphnia magna, 48 h, 15 µg/l US-EPA-method 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)	No data available.

Toxicity to Aquatic Plants

Product: No data available.

Components:

Siloxanes and Silicones, di-Me, 3-(oxiranylmethoxy)propyl group-terminated Isotridecanol, ethoxylated	No data available.
2-propen-1-aminium, N,N-dimethyl-N-2-propenyl-, chloride, homopolymer	No data available.
1,2-benzisothiazol-3(2H)-one	EC 50 (Algae (Pseudokirchneriella subcapitata), 72 h): 0.11 mg/l (OECD 201)

Product name: TEGO® Guard 9000

<p>octamethylcyclotetrasiloxane</p> <p>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)</p>	<p>EC 50 (Algae (Pseudokirchneriella subcapitata), 96 h): > 22 µg/l (US-EPA-method)</p> <p>EC 50 (Algae (Pseudokirchneriella subcapitata), 96 h): > 22 µg/l (US-EPA-method)</p> <p>No data available.</p>
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Toxicity to microorganisms

<p>Product:</p> <p>Components:</p> <p>Siloxanes and Silicones, di-Me, 3-(oxiranylmethoxy)propyl group-terminated Isotridecanol, ethoxylated 2-propen-1-aminium, N,N-dimethyl-N-2-propenyl-, chloride, homopolymer 1,2-benzisothiazol-3(2H)-one</p> <p>octamethylcyclotetrasiloxane</p> <p>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)</p>	<p>No data available.</p> <p>No data available.</p> <p>No data available.</p> <p>No data available.</p> <p>EC 50, activated sludge, 3 h, 13 mg/l, OECD 209</p> <p>No data available.</p> <p>No data available.</p>
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Toxicity to soil dwelling organisms

<p>Product:</p> <p>Components:</p> <p>Siloxanes and Silicones, di-Me, 3-(oxiranylmethoxy)propyl group-terminated Isotridecanol, ethoxylated 2-propen-1-aminium, N,N-dimethyl-N-2-propenyl-, chloride, homopolymer 1,2-benzisothiazol-3(2H)-one</p> <p>octamethylcyclotetrasiloxane</p> <p>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)</p>	<p>No data available.</p> <p>No data available.</p> <p>No data available.</p> <p>No data available.</p> <p>No data available.</p> <p>No data available.</p> <p>No data available.</p>
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Product name: TEGO® Guard 9000

Toxicity to terrestrial organisms

Product: No data available.

Components:

Siloxanes and Silicones, di-Me, 3-

(oxiranylmethoxy)propyl group-terminated

Isotridecanol, ethoxylated

2-propen-1-aminium, No data available.

N,N-dimethyl-N-2-propenyl-, chloride, homopolymer

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

octamethylcyclotetrasiloxane

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)

Chronic hazards to the aquatic environment:
Fish

Product: No data available.

Components:

Siloxanes and Silicones, di-Me, 3-

(oxiranylmethoxy)propyl group-terminated

Isotridecanol, No data available.

ethoxylated

2-propen-1-aminium, No data available.

N,N-dimethyl-N-2-propenyl-, chloride, homopolymer

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

octamethylcyclotetrasiloxane NOEC, Oncorhynchus mykiss, 93 d, 4.4 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)

Aquatic Invertebrates

Product: No data available.

Components:

Siloxanes and Silicones, di-Me, 3-

(oxiranylmethoxy)propyl group-terminated

Isotridecanol, No data available.

ethoxylated

Product name: TEGO® Guard 9000

2-propen-1-aminium, N,N-dimethyl-N-2-propenyl-, chloride, homopolymer	No data available.
1,2-benzisothiazol-3(2H)-one	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
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-(oxiranylmethoxy)propyl group-terminated	No data available.
Isotridecanol, ethoxylated	No data available.
2-propen-1-aminium, N,N-dimethyl-N-2-propenyl-, chloride, homopolymer	No data available.
1,2-benzisothiazol-3(2H)-one	No data available.
octamethylcyclotetrasiloxane	NOEC (Algae (Pseudokirchneriella subcapitata), 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)	No data available.

Toxicity to microorganisms

Product:	No data available.
Components:	
Siloxanes and Silicones, di-Me, 3-(oxiranylmethoxy)propyl group-terminated	No data available.
Isotridecanol, ethoxylated	No data available.
2-propen-1-aminium, N,N-dimethyl-N-2-propenyl-, chloride, homopolymer	No data available.
1,2-benzisothiazol-3(2H)-one	EC 50, activated sludge, 3 h, 13 mg/l, OECD 209
octamethylcyclotetrasiloxane	No data available.
Reaction mass of: 5-chloro-2-methyl-4-	No data available.

Product name: TEGO® Guard 9000

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

Toxicity to soil dwelling organisms

Product: No data available.

Components:

Siloxanes and Silicones, di-Me, 3-

(oxiranylmethoxy)propyl group-terminated

Isotridecanol, ethoxylated

2-propen-1-aminium, No data available.

N,N-dimethyl-N-2-propenyl-, chloride, homopolymer

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

octamethylcyclotetrasiloxane

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)

Toxicity to terrestrial organisms

Product: No data available.

Components:

Siloxanes and Silicones, di-Me, 3-

(oxiranylmethoxy)propyl group-terminated

Isotridecanol, ethoxylated

2-propen-1-aminium, No data available.

N,N-dimethyl-N-2-propenyl-, chloride, homopolymer

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

octamethylcyclotetrasiloxane

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)

12.2 Persistence and Degradability**Biodegradation**

Product: No data available.

Components:

Product name: TEGO® Guard 9000

Siloxanes and Silicones, di-Me, 3-(oxiranylmethoxy)propyl group-terminated	No data available.
Isotridecanol, ethoxylated	No data available.
2-propen-1-aminium, N,N-dimethyl-N-2-propenyl-, chloride, homopolymer	No data available.
1,2-benzisothiazol-3(2H)-one	No data available.
octamethylcyclotetrasiloxane	3.7 %, 28 d, OECD 310, The product is not biodegradable., aerobic
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:

Siloxanes and Silicones, di-Me, 3-(oxiranylmethoxy)propyl group-terminated	No data available.
Isotridecanol, ethoxylated	No data available.
2-propen-1-aminium, N,N-dimethyl-N-2-propenyl-, chloride, homopolymer	No data available.
1,2-benzisothiazol-3(2H)-one	No data available.
octamethylcyclotetrasiloxane	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:

Siloxanes and Silicones, di-Me, 3-(oxiranylmethoxy)propyl group-terminated	No data available.
Isotridecanol, ethoxylated	No data available.
2-propen-1-aminium, N,N-dimethyl-N-2-propenyl-, chloride, homopolymer	No data available.
1,2-benzisothiazol-3(2H)-one	No data available.
octamethylcyclotetrasiloxane	6.488, 25.1 °C, OECD 123

Product name: TEGO® Guard 9000

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:

Siloxanes and Silicones, di-Me, 3-(oxiranylmethoxy)propyl group-terminated No data available.
Isotridecanol, ethoxylated No data available.
2-propen-1-aminium, N,N-dimethyl-N-2-propenyl-, chloride, homopolymer No data available.
1,2-benzisothiazol-3(2H)-one octamethylcyclotetrasiloxane 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:

Siloxanes and Silicones, di-Me, 3-(oxiranylmethoxy)propyl group-terminated No data available.
Isotridecanol, ethoxylated No data available.
2-propen-1-aminium, N,N-dimethyl-N-2-propenyl-, chloride, homopolymer No data available.
1,2-benzisothiazol-3(2H)-one octamethylcyclotetrasiloxane No data available.
PBT: persistent, bioaccumulative and toxic substance. vPvB: very persistent and very bioaccumulative substance.
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. 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.

Product name: TEGO® Guard 9000

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

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).

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).

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

Product name: TEGO® Guard 9000

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

EU Regulations

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.

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. 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:

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

Product name: TEGO® Guard 9000

(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.
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
Serious eye irritation, Category 2	On basis of test data
Skin sensitizer, Category 1	On basis of test data

Wording of the statements in section 2 and 3

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.

Training information: Comply with national laws regulating employee instruction.

Product name: TEGO® Guard 9000

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.