Safety Data Sheet

According to Annex II to REACH - Regulation 2020/878 and to Annex II to UK REACH

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

1.1 Product identifier

Code	SDS0095
Product name	Sea Line 1000DC
UFI	QCMU-9CRP-TF3H-JGFY

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

Sealant.

1.3 Details of the supplier of the safety data sheet

Company name	Pantera Product GmbH
Address	Simon-Bolivar-Straße 29
Town	28197 Bremen
Country	Deutschland
Phone number	+49 (0)421 520 80 780
E-mail address	info@panteraproduct.de

1.4 Emergency telephone number

For urgent inquiries refer to	+43 (0) 1 406 43 43 (24h) +49 (0) 551-19240 GIZ-Nord

2 Hazards identification

2.1 Classification of the substance or mixture

The product is classified as hazardous pursuant to the provisions set forth in (EC) Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of (EU) Regulation 2020/878.
Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

Hazard classification		
Eye irritation, category 2	H319	Causes serious eye irritation.
Specific target organ toxicity - repeated exposure, category 2	H373	May cause damage to organs (respiratory system: upper respiratory tract) through prolonged or repeated exposure by the inhalation route.

2.2 Label elements

Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.

Hazard pictograms

Signal word
Warning

Section 2

Hazard statements	
H319	Causes serious eye irritation.
H373	May cause damage to organs (respiratory system: upper respiratory tract) through prolonged or repeated exposure by the inhalation route.

Precautionary statements	
P260	Do not breathe spray, vapours.
P280	Wear eye protection / face protection.
P337+P313	If eye irritation persists: Get medical advice / attention.
P314	Get medical advice / attention if you feel unwell.
P501	Dispose of contents and container in accordance with local and national regulations.

Supplementary hazard statements	
EUH208	Contains N-(3-(trimethoxysilyl)propyl)ethylenediamine. May produce an allergic reaction.

Contains
4,4,7,7-tetraethoxy-3,8-dioxa-4,7-disiladecane

2.3 Other hazards

Contact with moisture liberates Methanol.

On the basis of available data, the product does not contain any PBT or vPvB in percentage ≥ than 0,1%.
The product does not contain substances with endocrine disrupting properties in concentration ≥ 0.1%.

3 Composition/information on ingredients

3.2 Mixtures

The product is a mixture.

Polydimethylsiloxan, (((3-(cyclohexylamino)propyl)dimethoxysilyl)oxy)-terminiert

Concentration	20 ≤ x < 50 %
CAS number	129968-18-9
Hazard classification	▪ Eye Irrit. 2; H319

4,4,7,7-tetraethoxy-3,8-dioxa-4,7-disiladecane

Concentration	1 ≤ x < 5 %
CAS number	16068-37-4
EC number	240-212-2
Hazard classification	▪ Acute Tox. 3; H301 ▪ Acute Tox. 4; H312 ▪ STOT RE 1; H372 (nasal cavity, larynx) by the inhalation route ▪ Aquatic Chronic 3; H412
Additional classification	EUH071

N-(3-(Trimethoxysilyl)propyl)ethylendiamine

Concentration	0,1 ≤ x < 1 %
CAS number	1760-24-3
EC number	217-164-6
Hazard classification	▪ Skin Sens. 1B; H317 ▪ Eye Dam. 1; H318 ▪ STOT SE 3; H335

1,2-Bis(triethoxysilyl)ethylene

Concentration	0,1 ≤ x < 1 %
CAS number	87061-56-1
Hazard classification	▪ Acute Tox. 3; H301 ▪ Acute Tox. 4; H312 ▪ Aquatic Chronic 3; H412
Additional classification	EUH071
ATE (Oral)	100 mg/kg

SVHC: substances are not contained or are below 0.1%.

4 First aid measures

4.1 Description of first aid measures

In case of doubt or in the presence of symptoms contact a doctor and show him this document.
In case of more severe symptoms, ask for immediate medical aid.
EYES: Remove, if present, contact lenses if the situation allows you to do so easily. Wash immediately with plenty of water for at least 15 minutes, opening the eyelids fully. Get medical advice/attention.
SKIN: Take off contaminated clothing. Wash immediately and thoroughly with running water (and soap if possible). Get medical advice. Avoid further contact with contaminated clothing.
INGESTION: Do not induce vomiting unless explicitly authorised by a doctor. Do not give anything by mouth to an unconscious person. Get medical advice/attention.
INHALATION: Remove victim to fresh air, away from the accident scene. Get medical advice/attention.

4.2 Most important symptoms and effects, both acute and delayed

Allergic reactions.

Irritating effect. Headache.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

Get medical advice / attention if you feel unwell.

Means to have available in the workplace for specific and immediate treatment

Running water for skin and eye wash.

5 Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: foam, carbon dioxide, dry powder, water spray jet. Extinguishing media that must not be used: full water jet.

5.2 Special hazards arising from the substance or mixture

Risk of formation of toxic pyrolysis products. Carbon monoxide (CO) Nitrogen oxides (NOx).

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE
Do not breathe combustion products.

5.3 Advice for firefighters

Use self-contained breathing apparatus. Fire residues and contaminated firefighting water must be disposed of in accordance within the local regulations.

6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. High risk of slipping due to leakage/spillage of product. Use personal protective equipment (protective gloves, safety glasses, protective clothing).

6.2 Environmental precautions

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

6.3 Methods and material for containment and cleaning up

Take up mechanically. Take up residues with absorbent material (e.g. sand, sawdust, general purpose binder, diatomaceous earth). Dispose of absorbed material in accordance within the regulations.

6.4 Reference to other sections

Any information on personal protection and disposal is given in sections 8 and 13.

7 Handling and storage

7.1 Precautions for safe handling

Use only in well-ventilated areas.

Wash hands before breaks and after work. Use barrier skin cream. Take off contaminated clothing and wash before reuse.

7.2 Conditions for safe storage, including any incompatibilities

Keep only in original container. Prevent penetration into the ground. Do not store together with food and animal food/diet. Keep container tightly closed. Keep in a cool place. Store in a dry place. Protect from heat/overheating.

7.3 Specific end use(s)

Information not available.

8 Exposure controls/personal protection

8.1 Control parameters

Ingredients with occupational exposure limits to be monitored (**GB**): Substance: **Methanol**: CAS: 67-56-1, EINECS/ELINCS: 200-659-6, EU-INDEX: 603-001-00-X, Reg-No.: 01-2119433307-44-XXXX; Long-term exposure: 200 ppm, 266 mg/m^3, Sk; Short-term exposure (15-minute): 250 ppm, 333 mg/m^3;

Ethanol: CAS: 64-17-5, EINECS/ELINCS: 200-578-6, EU-INDEX: 603-002-00-5, Reg-No.: 01-2119457610-43-XXXX; Long-term exposure: 1000 ppm, 1920 mg/m^3;

Amorphous Silica: CAS: 112945-52-5, EINECS/ELINCS: 231-545-4, Reg-No.: 01-21193379499-16-XXXX;
Long-term exposure: 6 mg/m^3, total inhalable dust;

Ingredients with occupational exposure limits to be monitored (**EU**): Substance / EC LIMIT VALUES: **Methanol**: CAS: 67-56-1, EINECS/ELINCS: 200-659-6, EU-INDEX: 603-001-00-X, Reg-No.: 01-2119433307-44-XXXX; Eight hours: 200 ppm, 260 mg/m^3, H;

Section 8

Regulatory references	
European Union-OEL	Directive (EU) 2022/431; Directive (EU) 2019/1831; Directive (EU) 2019/130; Directive (EU) 2019/983; Directive (EU) 2017/2398; Directive (EU) 2017/164; Directive 2009/161/EU; Directive 2006/15/EC; Directive 2004/37/EC; Directive 2000/39/EC; Directive 98/24/EC; Directive 91/322/EEC.

N-(3-(trimethoxysilyl)propyl)ethylenediamine

	TWA		STEL		CEILING		Remarks	
	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm		
European Union-OEL	260	200					Inhalation	Methanol (is formed when the substance hydrolyses)

Predicted no-effect concentration - PNEC	
Normal value of STP microorganisms	20 mg/l
Normal value in fresh water	0.062 mg/l
Normal value for fresh water sediment	0.05 mg/kg
Normal value in marine water	0.0062 mg/l
Normal value for marine water sediment	0.005 mg/kg
Normal value for the terrestrial compartment	0.0075 mg/kg
Normal value for the food chain (secondary poisoning)	No hazard identified
Normal value for water, intermittent release	0.62 mg/l
Normal value for fresh water, intermittent release	5 µg/l

Health - Derived no-effect level - DNEL / DMEL	Local effect	Systemic effect
Consumers, short-term, dermal		No hazard identified
Consumers, short-term, inhalation		
Consumers, short-term, oral		No hazard identified
Consumers, long-term, dermal	Medium hazard	2.5 mg/kg/d
Consumers, long-term, inhalation	100 µg/m³	8.7 mg/m³
Consumers, long-term, oral		2.5 mg/kg
Workers, short-term, dermal	Medium hazard	No hazard identified
Workers, short-term, inhalation	5.36 mg/m³	No hazard identified
Workers, long-term, dermal	Medium hazard	5 mg/kg/d
Workers, long-term, inhalation	600 µg/m³	35.5 mg/m³

4,4,7,7-tetraethoxy-3,8-dioxa-4,7-disiladecane

Predicted no-effect concentration - PNEC	
Normal value of STP microorganisms	8 g/l
Normal value in fresh water	0.016 mg/l
Normal value for fresh water sediment	0.078 mg/kg
Normal value in marine water	0.002 mg/l
Normal value for marine water sediment	0.008 mg/kg
Normal value for the terrestrial compartment	0.006 mg/kg
Normal value for the food chain (secondary poisoning)	No hazard identified

Health - Derived no-effect level - DNEL / DMEL	Local effect	Systemic effect
Consumers, long-term, inhalation	1 µg/m³	No exposure expected
Workers, long-term, inhalation	6 µg/m³	No hazard identified

8.2 Exposure controls

Avoid contact with eyes and skin. Do not inhale vapours. Personal protective equipment should be selected specifically for the working place, depending on concentration and quantity handled. The resistance of this equipment to chemicals should be ascertained with the respective supplier.

Ensure adequate ventilation on workstation. Measurement methods for taking workplace measurements must meet the performance requirements of DIN EN 482. For example, recommendations are given in the IFA's list of hazardous substances.

0.7 mm Butyl rubber, >480 min (EN 374-1/-2/-3). The details concerned are recommendations. Please contact the glove supplier for further information.

Protect your hands with gloves of the following type

Material	Thickness	Breakthrough time
Butyl rubber (IIR) 0.7 mm Butyl rubber, >480 min (EN 374-1/-2/-3). The details concerned are recommendations. Please contact the glove supplier for further information.	**0.7 mm** –	**> 8 h** –

Protective clothing (EN 340)

Safety glasses. (EN 166:2001)

In the event of occupational exposure limits being exceeded or of inadequate ventilation: wear appropriate respiratory protection. Short term: filter apparatus, combination filter A-P2. (DIN EN 14387)

Protect the environment by applying appropriate control measures to prevent or limit emissions.

9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	pasty	
Colour	various	
Odour	odourless	
Odour threshold	Not relevant	
Melting point / freezing point	Not available	
Initial boiling point	Not available	
Flammability	Not applicable	
Lower explosive limit	Not applicable	
Upper explosive limit	Not applicable	
Flash point	Not available	
Auto-ignition temperature	Not available	
Decomposition temperature	Not available	
pH	Not applicable	
Kinematic viscosity (40 °C)	Not available	
Solubility	virtually insoluble in water	
Partition coefficient: n-octanol/water	Not available	
Vapour pressure	Not available	
Density and/or relative density	Not available	
Relative vapour density	Not available	

Particle characteristics

Information not available.

9.2 Other information

9.2.1 Information with regard to physical hazards

Information not available.

9.2.2 Other safety characteristics

Information not available.

10 Stability and reactivity

10.1 Reactivity

There are no particular risks of reaction with other substances in normal conditions of use.

10.2 Chemical stability

The product is stable in normal conditions of use and storage.

10.3 Possibility of hazardous reactions

Reacts with: strong oxidising agents

10.4 Conditions to avoid

See Section 7.

10.5 Incompatible materials

Oxidising agents

10.6 Hazardous decomposition products

Contact with moisture liberates Methanol and Ethanol. At high temperatures (>150 °C) formaldehyde can be formed via oxidative cleavage.

11 Toxicological information

In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substances it contains, using the criteria specified in the applicable regulation for classification.
It is therefore necessary to take into account the concentration of the individual hazardous substances indicated in section 3, to evaluate the toxicological effects of exposure to the product.

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

Toxicological data of complete product are not available.

11.1.1 Metabolism, toxicokinetics, mechanism of action and other information

Information not available.

11.1.2 Information on likely routes of exposure

Information not available.

11.1.3 Delayed and immediate effects as well as chronic effects from short and long-term exposure

Information not available.

Section 11

11.1.4 Interactive effects

Information not available.

11.1.5 ACUTE TOXICITY

Based on available data, the classification criteria are not met.

ATE (Inhalation) of the mixture	> 20 mg/L (4h)
ATE (Oral) of the mixture	> 2,000 mg/kg
ATE (Dermal) of the mixture	> 2,000 mg/kg

N-(3-(trimethoxysilyl)propyl)ethylenediamine

LD50 (Oral):	2,295 mg/kg	Species/guidelines: Rat
LD50 (Dermal):	> 2,000 mg/kg	Species/guidelines: Rat
LC50 (Inhalative):	1,49-2,44 mg/L	Species/guidelines: Rat

Polydimethylsiloxan, (((3-(cyclohexylamino)propyl)dimethoxysilyl)oxy)-terminiert

LD50 (Oral):	> 2,000 mg/kg	Species/guidelines: Rat

4,4,7,7-tetraethoxy-3,8-dioxa-4,7-disiladecane

LD50 (Oral):	161 mg/kg	Species/guidelines: Rat
LD50 (Dermal):	1,972 mg/kg	Species/guidelines: Rat
LC50 (Inhalation vapours):	> 0.38 mg/l	Exposure duration: 4 hours Species/guidelines: Rat

11.1.6 SKIN CORROSION/IRRITATION

Does not meet the classification criteria for this hazard class

11.1.7 SERIOUS EYE DAMAGE / IRRITATION

Causes serious eye irritation.

N-(3-(trimethoxysilyl)propyl)ethylenediamine

After contact to the eyes irreversible effects must be expected. Mixtures which contained amino functional silane or siloxane compounds with the hazard potential "serious eye damage/irritation, category 1 - H318" at concentrations from 1% to 5%, beside (silicone) polymer and filler, did neither in vitro nor in vivo show an eye irritation potential relevant for classification. Product data: Serious damages to eyes (Species: Rabbit, Method: OECD 405, Source: test report).

4,4,7,7-tetraethoxy-3,8-dioxa-4,7-disiladecane

No eye irritation (Species: rabbit, Method: OECD 405, Source: test report)

11.1.8 RESPIRATORY OR SKIN SENSITISATION

Does not meet the classification criteria for this hazard class

Skin sensitization

N-(3-(trimethoxysilyl)propyl)ethylenediamine

Skin sensitization is possible after skin contact. Paste-like mixtures containing amino-functional silane compounds with the hazard potential "Skin sensitization, Category 1 - H317" in concentrations of 1 to 4%, in addition to silicone polymer and filler, showed no classifiable potential for skin sensitization in vivo. Product data: Routes of exposure: Skin contact. Result: Sensitizing (Species: Guinea pig, Test system: Maximization test, Method: OECD 406, Source: Test report). Routes of exposure: Skin contact. Result: Sensitizing (Species: Mouse, Test system: Local lymph node biopsy (LLNA), Method: OECD 429, Source: Test report)

4,4,7,7-tetraethoxy-3,8-dioxa-4,7-disiladecane

Skin contact: Does not cause skin sensitisation. (Species: Guinea pig, Test system: Maximisation Test, Method: OECD 406, Source: test report)

11.1.9 GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class

N-(3-(trimethoxysilyl)propyl)ethylenediamine

Assessment: Based on the available data, no relevant genotoxic potential is assumed. Negative: (Metabolic activation: with and without metabolic activation, test system: mutation test (in vitro) / bacterial cells, method: OECD 471, source: test report). Negative: (Metabolic activation: with and without metabolic activation, test system: mutation test (in vitro) / mammalian cells, method: OECD 476, source: test report). Negative: (Metabolic activation: with and without metabolic activation, test system: sister chromatid exchange test (in vitro) / mammalian cells, source: test report). Negative: (Test system: micronucleus test (in vivo), species: mouse, strain: Swiss Webster, sex: male and female, route of administration: intraperitoneal, cell type: erythrocytes, method: OECD 474, source: test report)

4,4,7,7-tetraethoxy-3,8-dioxa-4,7-disiladecane

negative
(Metabolic activation: with and without metabolic activation, Test system: mutation test (in vitro) / bacterial cells, Method: OECD 471, Source: study report)
positive
(Metabolic activation: with metabolic activation, Test system: mutation test (in vitro) / mouse lymphoma cells, Method: OECD 476, Source: study report)
negative
(Metabolic activation: with and without metabolic activation, Test system: chromosome aberration test (in vitro) / mammalian cells, Method: OECD 473, Source: study report)
negative
(Test system: micronucleus test (in vivo), Species: mouse, Strain: ICR, Sex: male and female, Route of administration: oral, Cell type: bone marrow cells, Method: OECD 474, Source: study report)
negative
(Test system: comet assay, Species: rat, Strain: Wistar, Sex: male and female, Route of administration: oral, Method: OECD 489, Source: study report)

11.1.10 CARCINOGENICITY

Does not meet the classification criteria for this hazard class

11.1.11 REPRODUCTIVE TOXICITY

Does not meet the classification criteria for this hazard class

N-(3-(trimethoxysilyl)propyl)ethylenediamine

Assessment: Based on the available data, the criteria for classification as a reproductive toxicant are not met.
Product Data: Reproductive Toxicity/Fertility: NOAEL: ≥ 500 mg/kg.

(Test system: screening test, Species: Rat, Strain: Sprague-Dawley, Sex: Male and female, Route of administration: Oral, Administration method: Gastric tube, Frequency of treatment: 7 days/week, Method: OECD 422, Source: Test report)

Reproductive Toxicity / Development / Teratogenicity:
NOAEL (developmental): ≥ 500 mg/kg.
NOAEL (maternal): ≥ 500 mg/kg.

(Test system: screening test, Species: Rat, Strain: Sprague-Dawley, Route of administration: Oral, Administration method: Gastric tube, Frequency of treatment: 7 days/week, Method: OECD 422, Source: Test report)

4,4,7,7-tetraethoxy-3,8-dioxa-4,7-disiladecane

NOAEL (developmental): >= 40 mg/kg
NOAEL (maternal): >= 40 mg/kg
(Test system: Developmental Toxicity Study, Species: Rat, Strain: Wistar, Sex: female, Route of administration: Oral, Form of administration: Gavage, Frequency of treatment: Day 6 - 20 of gestation, Method: OECD 414, Source: Study report)

Section 11

11.1.12 STOT - SINGLE EXPOSURE

Does not meet the classification criteria for this hazard class

4,4,7,7-tetraethoxy-3,8-dioxa-4,7-disiladecane

Routes of exposure: inhalation. Target organs: nasal mucosa. Irritates the respiratory organs when inhaled, acts as an irritating aerosol on the respiratory tract when inhaled. Source: Test report

11.1.13 STOT - REPEATED EXPOSURE

May cause damage to organs (respiratory system: upper respiratory tract) through prolonged or repeated exposure by the inhalation route.

N-(3-(trimethoxysilyl)propyl)ethylenediamine

Assessment: Based on the available data, the criteria for classification as toxic after repeated exposure are not met.
Product Data: Result/Effect: NOAEL: ≥ 500 mg/kg.
(Symptoms/Effect: No findings., Test system: Subacute study, Species: Rat, Sex: Male and female, Route of administration: Oral, Administration method: Gastric tube, Test duration: 28 days, Method: OECD 422, Source: Test report)

4,4,7,7-tetraethoxy-3,8-dioxa-4,7-disiladecane

Assessment: Damages organs after inhalation exposure from repeated or prolonged exposure. May damage organs from repeated or prolonged exposure. No systemic toxicity.
Product Data: Result/Effect: LOAEC: 0.0027 mg/l; No NOAEL could be identified.
(Target organs: nasal mucosa, olfactory mucosa, Test system: subacute study, Species: rat, Sex: male and female, Route of administration: inhalation, Form: vapor, Test duration: 28 days, Frequency of treatment: 5 days/week, Hours/day: 6, Method: OECD 412, Source: Test report)

Target organs: respiratory system: upper respiratory tract, (nasal cavity, larynx)

Route of exposure: by the inhalation route

11.1.14 ASPIRATION HAZARD

Does not meet the classification criteria for this hazard class

11.2 Information on other hazards

Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with human health effects under evaluation.

N-(3-(trimethoxysilyl)propyl)ethylenediamine

Hydrolysis product / impurity: Methanol (CAS 67-56-1) is readily and rapidly absorbed at all exposure routes and is toxic by all routes. Methanol may cause irritation of the mucosa, as well as nausea, vomiting, headaches, vertigo and visual disorders, including blindness (irreversible damage to the optic nerve), acidosis, spasms, narcosis and coma. There may be a delay in the onset of these effects after exposure.

4,4,7,7-tetraethoxy-3,8-dioxa-4,7-disiladecane

Hydrolysis Product (Ethanol):
Ethanol (64-17-5) is well and rapidly absorbed through all routes of exposure. Ethanol can cause irritation of the eyes and mucous membranes, as well as disturbances of the central nervous system, nausea, and dizziness. Chronic exposure to larger amounts of ethanol can lead to damage to the liver and central nervous system.

12 Ecological information

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or contaminate soil or vegetation.

Section 12

12.1 Toxicity

N-(3-(trimethoxysilyl)propyl)ethylenediamine

EC50 - for Crustacea	81 mg/l	Exposure duration: 48 hours Species/guidelines: Daphnia magna
LC50 - for Fish	597 mg/l	Exposure duration: 96 hours Species/guidelines: Danio rerio
EC50 - for Algae / Aquatic Plants	> 5.5 mg/l	Exposure duration: 72 hours
Chronic NOEC for Crustacea	> 1 mg/l	Species/guidelines: Daphnia magna
Chronic NOEC for Algae / Aquatic Plants	3.1 mg/l	Species/guidelines: Pseudokirchneriella subcapitata

4,4,7,7-tetraethoxy-3,8-dioxa-4,7-disiladecane

EC10 for Algae / Aquatic Plants	> 50.7 mg/l	Exposure duration: 72 hours
EC10 for Crustacea	43.6 mg/l	Exposure duration: 48 hours
EC50 - for Crustacea	72.6 mg/l	Exposure duration: 48 hours
LC50 - for Fish	16 mg/l	Exposure duration: 96 hours Species/guidelines: Danio rerio
EC50 - for Algae / Aquatic Plants	> 81.1 mg/l	Exposure duration: 72 hours
Chronic NOEC for Algae / Aquatic Plants	50 mg/l	Species/guidelines: Pseudokirchneriella subcapitata

12.2 Persistence and degradability

not determined

12.3 Bioaccumulative potential

not determined

12.4 Mobility in soil

not applicable

12.5 Results of PBT and vPvB assessment

Does not contain any PBT or vPvB substances.

On the basis of available data, the product does not contain any PBT or vPvB in percentage ≥ than 0,1%.

12.6 Endocrine disrupting properties

Contains no ingredients with endocrine-disrupting properties.

12.7 Other adverse effects

Ecological data of complete product are not available. Do not discharge product unmonitored into the environment.

13 Disposal considerations

Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations. It is not possible to determine a waste code for this product in accordance with the European Waste Catalogue (EWC) since it is only possible to classify it according to how it is used by the customer. The waste code is to be determined within the EU in liaison with the waste-disposal operator.

13.1 Waste treatment methods

For recycling, consult manufacturer. Disposal in an incineration plant in accordance with the regulations of the local authorities.

Waste no. (recommended) 070216* hazardous silicones containing waste.

Contaminated packaging: Uncontaminated packaging may be taken for recycling. Waste no. (recommended): 150110* packaging containing residues of hazardous substances or packaging contaminated by hazardous substances. 150102 packaging made of plastic.

14 Transport information

The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.

14.1 UN number or ID number

not applicable

14.2 UN proper shipping name

NO DANGEROUS GOODS

14.3 Transport hazard class(es)

not applicable

14.4 Packing group

not applicable

14.5 Environmental hazards

no

14.6 Special precautions for user

Relevant information under SECTION 6 to 8.

14.7 Maritime transport in bulk according to IMO instruments

not applicable

15 Regulatory information

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

EEC-REGULATIONS 2008/98/EG (2000/532/EC); 2010/75/EU; 2004/42/EG; (EG) 648/2004; (EC) 1907/2006 (REACH); (EU) 1272/2008; 75/324/EWG ((EC) 2016/2037); (EU) 2020/878; (EU) 2016/131; (EU) 2024/573; (EU) 2019/1148; (EU) 2019/1021, (EU) 2023/707;

- Comment on component parts Substances of Very High Concern - SVHC: substances are not contained or are below 0.1%.

TRANSPORT-REGULATIONS ADR (2025); IMDG-Code (2025, 42. Amdt.); IATA-DGR (2025, 66th Edition)

NATIONAL REGULATIONS (EU):
- Observe employment restrictions for people: Observe employment restrictions for young people.
- VOC (2010/75/CE): 0 %

Seveso Category - Directive 2012/18/EU:
None

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006		
	Restrictions	Registration Number EU
Product restrictions	3, 40	
Contained substance		
	75	

Regulation (EU) 2019/1148 - on the marketing and use of explosives precursors
Not applicable

Substances in Candidate List (Art. 59 REACH)	Registration Number EU
On the basis of available data, the product does not contain any SVHC in percentage ≥ than 0,1%.	

Substances subject to authorisation (Annex XIV REACH)	Authorisation Number	Sunset date	Registration Number EU
None			

Substances subject to exportation reporting pursuant to Regulation (EU) 649/2012:
None

Substances subject to the Rotterdam Convention:
None

Substances subject to the Stockholm Convention:
None

Regulation (EU) 2019/1021 - on persistent organic pollutants
None

15.2 Chemical safety assessment

not applicable

A chemical safety assessment has not been performed for the preparation/for the substances indicated in section 3.

16 Other information

Text of hazard (H) indications mentioned in section 2-3 of the sheet:	
Acute Tox. 3	Acute toxicity, category 3
Acute Tox. 4	Acute toxicity, category 4
Aquatic Chronic 3	Hazardous to the aquatic environment, chronic toxicity, category 3
Eye Dam. 1	Serious eye damage, category 1
Eye Irrit. 2	Eye irritation, category 2
Flam. Liq. 3	Flammable liquid, category 3
Skin Sens. 1	Skin sensitization, category 1
Skin Sens. 1B	Skin sensitization, category 1B
STOT RE 1	Specific target organ toxicity - repeated exposure, category 1
EUH071	Corrosive to the respiratory tract.
H301	Toxic if swallowed.
H312	Harmful in contact with skin.
H317	May cause an allergic skin reaction.

Section 15

Text of hazard (H) indications mentioned in section 2-3 of the sheet:	
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H372	Causes damage to organs through prolonged or repeated exposure.
H412	Harmful to aquatic life with long lasting effects.

Legend

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- ATE: Acute Toxicity Estimate
- CAS: Chemical Abstract Service Number
- CLP: Regulation (EC) 1272/2008
- DNEL: Derived No Effect Level
- EC50: Effective concentration (required to induce a 50% effect)
- EC: Identifier in ESIS (European archive of existing substances)
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent, bioaccumulative and toxic
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PMT: Persistent, mobile and toxic
- PNEC: Predicted no effect concentration
- REACH: Regulation (EC) 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA: Time-weighted average exposure limit
- TWA STEL: Short-term exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very persistent and very bioaccumulative
- vPvM: Very persistent and very mobile
- WGK: Water hazard classes (German).

General Bibliography

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4. Regulation (EC) 790/2009 (I ATP CLP) of the European Parliament
5. Regulation (EU) 286/2011 (II ATP CLP) of the European Parliament
6. Regulation (EU) 618/2012 (III ATP CLP) of the European Parliament
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8. Regulation (EU) 944/2013 (V ATP CLP) of the European Parliament
9. Regulation (EU) 605/2014 (VI ATP CLP) of the European Parliament
10. Regulation (EU) 2015/1221 (VII ATP CLP) of the European Parliament
11. Regulation (EU) 2016/918 (VIII ATP CLP) of the European Parliament
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17. Regulation (EU) 2019/1148
18. Delegated Regulation (EU) 2020/217 (XIV ATP CLP)
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22. Delegated Regulation (EU) 2022/692 (XVIII ATP CLP)
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- IFA GESTIS website
- ECHA website
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Note for users

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.
This document must not be regarded as a guarantee on any specific product property.
The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.
Provide appointed staff with adequate training on how to use chemical products.

Calculation methods for classification

Chemical and physical hazards:
Product classification derives from criteria established by the CLP Regulation, Annex I, Part 2. The data for evaluation of chemical-physical properties are reported in section 9.
Health hazards:
Product classification is based on calculation methods as per Annex I of CLP, Part 3, unless determined otherwise in Section 11.
Environmental hazards:
Product classification is based on calculation methods as per Annex I of CLP, Part 4, unless determined otherwise in Section 12.