

Safety Data Sheet as per regulation (EC) 1907/2006

Commercial Product Name: DKM Konstruktions-Dichtstoff Premium

Revision Date: 19.11.2020

Version: 1/en



Replaces version from: 17.12.2019

Print date: 19.11.2020

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

1.1 Product identifier

Commercial Product Name **DKM Construction Sealant Premium**

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

Relevant identified uses For elastic bonding and sealing for indoor and outdoor use.

1.3 Details of the supplier of the safety data sheet

Company designation fischerwerke GmbH & Co. KG
Klaus-Fischer-Straße 1
D-72178 Waldachtal
Telephone: +49(0)7443 12-0
FAX: +49(0)7443 12-4222
Email: info-sdb@fischer.de
Internet: www.fischer.de

Marketer AnchorMark Pty. Ltd.
Unit 1, 61 Waterview Close
Dandenong South VIC 3175, Australia
Telephone: +61 (0) 3 97992096
FAX: +61 (0) 3 97992696
Email: info@anchormark.com.au

1.4 Emergency telephone number

Emergency telephone number +49(0)6132-84463 (24h)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 This product is classified as not hazardous according to regulation (EC) 1272/2008 [CLP].

2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP] The product does not have to be labelled according to Regulation (EC) No. 1272/2008 [CLP].

Further information EUH208: Contains N-[3-(dimethoxymethylsilyl)propyl]ethylenediamine;dioctyltinbis(acetylacetonate);N-(3-(Trimethoxysilyl)propyl)ethylenediamine. May produce an allergic reaction.
EUH210: Safety data sheet available on request.

2.3 Other hazards

Health hazard No information available.

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Particular information pertaining specific risk for human / environment	The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII. No information available.
Indication of danger	No information available.
Hazard precautions	No information available.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous ingredients

Ingredient	CAS No.	Classification (EC) 1272/2008	Concentration
Trimethoxyvinylsilane	CAS No.: 2768-02-7 EC-No.: 220-449-8 REACH No.: 01-2119513215-52	Flam. Liq. 3; H226 Acute Tox. 4; H332	< 2.5 % by weight
N-[3-(dimethoxymethylsilyl)propyl]ethylenediamine	CAS No.: 3069-29-2 REACH No.: 01-2119963926-21	Eye Dam. 1; H318 Skin Sens. 1; H317 Acute Tox. 4; H302 Skin Irrit. 2; H315	< 1.0 % by weight
dioctyltinbis(acetylacetonate)	CAS No.: 54068-28-9 REACH No.: 01-0000020199-67	Skin Sens. 1; H317	< 1.0 % by weight
N-(3-(Trimethoxysilyl)propyl)ethylenediamine	CAS No.: 1760-24-3 EC-No.: 217-164-6 REACH No.: 01-2119970215-39	Skin Sens. 1; H317	< 1.0 % by weight

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice	Take off immediately all contaminated clothing. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Wear personal protection equipment (refer to section 8).
If inhaled	Provide fresh air. In case of respiratory tract irritation, consult a physician.
In case of skin contact	After contact with skin, wash immediately with plenty of water and soap. Do NOT use solvents or thinners.
In case of eye contact	Remove contact lenses. In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.
If swallowed	If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Let water be drunken in little sips (dilution effect). Do NOT induce vomiting.

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4.2 Most important symptoms and effects, both acute and delayed

Symptoms No information available.

4.3 Indication of any immediate medical attention and special treatment needed

Immediate medical attention If unconscious place in recovery position and seek medical advice.

Special medical treatment Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media spray mist, (water), Water spray jet, alcohol resistant foam, carbon dioxide, Extinguishing powder

Extinguishing media which must not be used for safety reasons Full water jet

5.2 Special hazards arising from the substance or mixture

Special exposure hazards arising from the substance or preparation itself, its combustion products, or released gases Heating or fire can release toxic gas.
Fight fire with normal precautions from a reasonable distance.

5.3 Advice for firefighters

Special protective equipment for firefighting In case of fire: Wear self-contained breathing apparatus.
For the protection against direct skin contact, body protective clothing is essential (in addition to the usual working clothes).

Additional information on firefighting Suppress (knock down) gases/vapours/mists with a water spray jet.
Do not allow water used to extinguish fire to enter drains, ground or waterways.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions For non-emergency personnel
Accidental release measures:
Wear personal protection equipment (refer to section 8).
Remove all sources of ignition.
Ensure adequate ventilation, especially in confined areas.

6.2 Environmental precautions

Environmental precautions The product should not be allowed to enter drains, water courses or the soil.
Prevent spread over a wide area (e.g. by containment or oil barriers).

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6.3 Methods and material for containment and cleaning up

Methods for cleaning up	Allow stiffening. Take up mechanically. Treat the recovered material as prescribed in the section on waste disposal.
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6.4 Reference to other sections

Reference to other sections	Reference to other sections : 7 / 8 / 13
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SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling	Keep container tightly closed. Hygiene measures: When using do not eat, drink or smoke. Wash hands before breaks and after work. Take off contaminated clothing and wash it before reuse.
Advice on protection against fire and explosion	No special measures are necessary.

7.2 Conditions for safe storage, including any incompatibilities

Storage space and container requirements	Keep/Store only in original container. Keep container tightly closed and dry. Store in accordance with local regulations.
Unsuitable materials for containers	Keep only in original container.
Hints on storage assembly	Keep away from food, drink and animal feedingstuffs.
German storage class	10 - 13 (TRGS 510)
Recommended storage temperature	+5 - 25 °C

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

8.2 Exposure controls

Respiratory protection	In case of inadequate ventilation wear respiratory protection.
Hand protection	Health injuries are not known or expected under normal use. For prolonged or repeated contact use protective gloves.

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Suitable material	Protective gloves complying with EN 374. Butyl caoutchouc (butyl rubber), CR (polychloroprene, chloroprene rubber), NBR (Nitrile rubber), Fluorinated rubber
Unsuitable material	PVC or rubber gloves are not recommended.
Material thickness	adjust to application and duration of use
Break through time	adjust to application and duration of use
Remarks	Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).
Note	Replace when worn.
Eye protection	Wear closely fitting protective glasses in case of splashes. Safety glasses with side-shields conforming to EN166
Skin and body protection	Long sleeved clothing
Note	Choose body protection according to the amount and concentration of the dangerous substance at the work place.
General protective and hygiene measures	Do not eat, drink or smoke when using this product. Avoid contact with the skin and the eyes. Wash hands and face before breaks and after work and take a shower if necessary. Keep away from food, drink and animal feedingstuffs. Use protective skin cream before handling the product.
Information on environmental protection regulations	No special environmental measures are necessary. see section 6/7
Engineering measures	Provide adequate ventilation.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form	Paste
Colour	grey
Odour	characteristic
Odour threshold	not determined
pH	not determined
Melting point [°C] / Freezing point [°C]	No data available
Boiling point [°C]	No data available
Initial boiling point [°C] and boiling range [°C]	No data available

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Flash point [°C]	> 60
Evaporation rate [kg/(s*m ²)]	No data available
Flammability (solid, gas)	No data available
Explosion limits [Vol-%]	
Lower limit	No data available
Upper limit	No data available
Vapour pressure [kPa]	No data available
Vapour density	No data available
Density [g/cm ³]	1,58
Relative density	No data available
Solubility	No data available
Water solubility [g/l]	immiscible
Solubility [g/l]	No data available
Partition coefficient n-octanol /water (log P O/W)	No data available
Autoinflammability	not auto-flammable
Decomposition temperature [°C]	No data available
Viscosity, dynamic [kg/(m*s)]	not determined
Viscosity, kinematic [mm ² /s]	> 21
Explosive properties	not explosive.
Risk of explosion.	not explosive.
Oxidising properties	No

SECTION 10: Stability and reactivity

10.1 Reactivity

Reactivity No hazardous reaction when handled and stored according to provisions.
No decomposition if stored and applied as directed.

10.2 Chemical stability

Chemical stability Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to section 7.

10.3 Possibility of hazardous reactions

Hazardous reactions No hazardous reaction when handled and stored according to provisions.

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10.4 Conditions to avoid

Conditions to avoid The mixture is chemically stable under recommended conditions of storage, use and temperature.

10.5 Incompatible materials

Materials to avoid Strong acids and oxidizing agents

10.6 Hazardous decomposition products

Hazardous decomposition products No known hazardous decomposition products.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Oral toxicity [mg/kg]

Hazardous ingredients

Trimethoxyvinylsilane				
Value	Test criterion	Test species	Remarks	Source
7120	LD50	Rat	OECD 401	Company data

N-[3-(dimethoxymethylsilyl)propyl]ethylenediamine				
Value	Test criterion	Test species	Remarks	Source
200 - 2000	LD50	Rat	OECD 401	Company data

dioctyltinbis(acetylacetonate)				
Value	Test criterion	Test species	Source	
2500	LD50	Rat	Company data	

Dermal toxicity [mg/kg]

Hazardous ingredients

Trimethoxyvinylsilane	
Value	Source
Based on available data, the classification criteria are not met.	Company data

N-[3-(dimethoxymethylsilyl)propyl]ethylenediamine				
Value	Test criterion	Test species	Duration	Source
> 15000	LD50	Rabbit	24 h	Company data

dioctyltinbis(acetylacetonate)				
Value	Test criterion	Test species	Source	
> 2000	LD50	Rat	Company data	

Inhalative toxicity [mg/l]

Hazardous ingredients

Trimethoxyvinylsilane				
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Value	Test criterion	Duration of dosage	Test species	Note	Source
16,8	LC50	4 h	Rat	OECD 403	Company data

N-[3-(dimethoxymethylsilyl)propyl]ethylenediamine					
Value	Test criterion	Test species	Exposure duration	Source	
> 5,2	LC50	Rat	4 h	Company data	

dioctyltinbis(acetylacetonate)	
Value	Source
Based on available data, the classification criteria are not met.	Company data

Irritant effect on skin No skin irritation

Irritant effect on eyes No eye irritation

Irritant effect on the respiratory tract**Hazardous ingredients**

Trimethoxyvinylsilane	
Value	Source
Based on available data, the classification criteria are not met.	Company data

Sensitization No known effect.

Carcinogenic effects**Hazardous ingredients**

Trimethoxyvinylsilane	
Value	Source
Based on available data, the classification criteria are not met.	Company data

dioctyltinbis(acetylacetonate)	
Value	Source
Based on available data, the classification criteria are not met.	Company data

Mutagenicity**Hazardous ingredients**

Trimethoxyvinylsilane	
Value	Source
Based on available data, the classification criteria are not met.	Company data

dioctyltinbis(acetylacetonate)	
Value	Source

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Based on available data, the classification criteria are not met.	Company data
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Reproduction toxicity**Hazardous ingredients**

Trimethoxyvinylsilane	
Value	Source
Based on available data, the classification criteria are not met.	Company data

N-[3-(dimethoxymethylsilyl)propyl]ethylenediamine		
Value	Measuring method	Source
Did not show mutagenic effects in animal experiments.	OECD 422	Company data

dioctyltinbis(acetylacetonate)	
Value	Source
Based on available data, the classification criteria are not met.	Company data

Specific target organ toxicity (single exposure) [mg/kg]**Hazardous ingredients**

Trimethoxyvinylsilane	
Remarks	Source
*1)	Company data

*1): Based on available data, the classification criteria are not met.

dioctyltinbis(acetylacetonate)	
Remarks	Source
*1)	Company data

*1): Based on available data, the classification criteria are not met.

Specific target organ toxicity (repeated exposure) [mg/kg]**Hazardous ingredients**

Trimethoxyvinylsilane	
Remarks	Source
*1)	Company data

*1): Based on available data, the classification criteria are not met.

dioctyltinbis(acetylacetonate)	
Remarks	Source
*1)	Company data

*1): Based on available data, the classification criteria are not met.

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SECTION 12: Ecological information**12.1 Toxicity****Toxicity to fish [mg/l]****Hazardous ingredients**

Trimethoxyvinylsilane				
Value	Test criterion	Test species	Measuring method	Source
191	LC50	Oncorhynchus mykiss (Rainbow trout)	96 h	Company data

N-[3-(dimethoxymethylsilyl)propyl]ethylenediamine				
Value	Test criterion	Test species	Exposure duration	Source
597	LC50	Brachydanio rerio (zebra-fish)	96 h	Company data

dioctyltinbis(acetylacetonate)				
Value	Test criterion	Exposure duration	Source	
86	LC50	96 h	Company data	

Toxicity to daphnia [mg/l]**Hazardous ingredients**

Trimethoxyvinylsilane				
Value	Test criterion	Test species	Exposure duration	Source
168,7	EC50	Daphnia magna (Big water flea)	48 h	Company data

N-[3-(dimethoxymethylsilyl)propyl]ethylenediamine				
Value	Test species	Exposure duration	Source	
> 100	Daphnia magna (Big water flea)	48 h	Company data	

dioctyltinbis(acetylacetonate)				
Value	Test criterion	Test species	Exposure duration	Source
58,6	EC50	Daphnia magna (Big water flea)	48 h	Company data

Toxicity to algae [mg/l]**Hazardous ingredients**

Trimethoxyvinylsilane				
Value	Test criterion	Test species	Exposure duration	Source
> 957	EC50	Desmodesmus subspicatus	72 h	Company data

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N-[3-(dimethoxymethylsilyl)propyl]ethylenediamine				
Value	Test criterion	Test species	Exposure duration	Source
8,8	EC50	Pseudokirchneriella subcapitata	72 h	Company data

dioctyltinbis(acetylacetonate)	
Value	Source
Based on available data, the classification criteria are not met.	Company data

12.2 Persistence and degradability

Biodegradability

Hazardous ingredients

Trimethoxyvinylsilane	
Value	Source
Readily biodegradable (according to OECD criteria).	Company data

12.3 Bioaccumulative potential

Bioaccumulation

Hazardous ingredients

N-[3-(dimethoxymethylsilyl)propyl]ethylenediamine	
Remarks	Source
slight	Company data

12.5 Results of PBT and vPvB assessment

Results of PBT characteristics determination

Hazardous ingredients

Trimethoxyvinylsilane	
Value	Source
This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.	Company data

N-[3-(dimethoxymethylsilyl)propyl]ethylenediamine	
Value	Source
This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.	Company data

dioctyltinbis(acetylacetonate)	
Value	Source
This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.	Company data

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SECTION 13: Disposal considerations

13.1 Waste treatment methods

Disposal considerations	Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation. Empty remaining contents. Empty packaging: Where possible recycling is preferred to disposal or incineration. Product: Can be disposed of as a solid waste or burned in a suitable installation subject to local regulations.
Waste Code	According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. The following Waste Codes are only suggestions: 200000 - MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS

SECTION 14: Transport information

	Land transport ADR/RID	Marine transport IMDG	Air transport ICAO/IATA
14.1 UN-No	Not applicable.	Not applicable.	Not applicable.
14.2 Description of the goods	No dangerous good according to ADR	No dangerous good according to IMDG	No dangerous good according to IATA
14.3 Transport hazard class(es)	Not applicable.	Not applicable.	Not applicable.
14.4 Packaging group	Not applicable.	Not applicable.	Not applicable.
14.5 Environmental hazards	Not applicable.	Not applicable.	Not applicable.
UN proper shipping name		Non dangerous good	Non dangerous good

14.6 Special precautions for user

Precautions No special measures are necessary.

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Annex II of MARPOL and the IBC Code not applicable

SECTION 15: Regulatory information

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

VOC	2,4 % / 39 g/l
Decopaint regulation	not relevant

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Carcinogenic hazardous substance as per Annex II GefStoffV No

15.2 Chemical safety assessment

Safety assessment Not relevant. Chemical safety assessments for substances in this mixture were not carried out.
For this preparation a chemical safety assessment has been carried out. This safety data sheet contains more than one ES in an integrated form. Contents of the exposure scenarios have been included into sections 1.2, 8, 9, 12, 15 and 16 of this safety data sheet.

Additional regulations This Safety Data Sheet is prepared according to Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

SECTION 16: Other information

Modifications since last version Modifications of the previous version are denoted with an asterisk (*).

Relevant H-phrases H226: Flammable liquid and vapour.
H302: Harmful if swallowed.
H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H318: Causes serious eye damage.
H332: Harmful if inhaled.
EUH208: Contains N-[3-(dimethoxymethylsilyl)propyl]ethylenediamine;dioctyltinbis(acetylacetonate);N-(3-(trimethoxysilyl)propyl)ethylenediamine. May produce an allergic reaction.

Wording of the hazard classes Flam. Liq.: Flammable liquid
Acute Tox.: Acute toxicity
Eye Dam.: Serious eye damage
Skin Sens.: Skin sensitization
Skin Irrit.: Skin irritation
This product is classified as not hazardous according to regulation EC CLP

Modifications of the previous version are denoted with an asterisk (*).

This information is provided in accordance with the current status of our knowledge and experience. The Safety Data Sheet describes products with a view to relevant safety requirements. This information does not constitute a warranty of properties, features or qualities.

Safety Data Sheet as per regulation (EC) 1907/2006

Commercial Product Name: KD All Round Adhesive Gluing & Sealing Premiu



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

1.1 Product identifier

Commercial Product Name **KD Multi Adhesive and Sealant**

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

Relevant identified uses For elastic bonding and sealing for indoor and outdoor use.

1.3 Details of the supplier of the safety data sheet

Company designation fischerwerke GmbH & Co. KG
Klaus-Fischer-Straße 1
D-72178 Waldachtal
Telephone: +49(0)7443 12-0
FAX: +49(0)7443 12-4222
Email: info-sdb@fischer.de
Internet: www.fischer.de

Marketer AnchorMark Pty. Ltd.
Unit 1, 61 Waterview Close
Dandenong South VIC 3175, Australia
Telephone: +61 (0) 3 97992096
FAX: +61 (0) 3 97992696
Email: info@anchormark.com.au

1.4 Emergency telephone number

Emergency telephone number +49(0)6132-84463 (24h)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 This product is classified as not hazardous according to regulation (EC) 1272/2008 [CLP].

2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP] The product does not have to be labelled according to Regulation (EC) No. 1272/2008 [CLP].

Further information EUH208: Contains N-[3-(dimethoxymethylsilyl)propyl]ethylenediamine;dioctyltinbis(acetylacetonate);N-(3-(Trimethoxysilyl)propyl)ethylenediamine. May produce an allergic reaction.
EUH210: Safety data sheet available on request.

2.3 Other hazards

Health hazard No information available.

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Particular information pertaining specific risk for human / environment
Indication of danger
Hazard precautions

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.
No information available.
No information available.
No information available.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous ingredients

Ingredient	CAS No.	Classification (EC) 1272/2008	Concentration
Trimethoxyvinylsilane	CAS No.: 2768-02-7 EC-No.: 220-449-8 REACH No.: 01-2119513215-52	Flam. Liq. 3; H226 Acute Tox. 4; H332	< 2.5 % by weight
N-[3-(dimethoxymethylsilyl)propyl]ethylenediamine	CAS No.: 3069-29-2 REACH No.: 01-2119963926-21	Eye Dam. 1; H318 Skin Sens. 1; H317 Acute Tox. 4; H302 Skin Irrit. 2; H315	< 1.0 % by weight
dioctyltinbis(acetylacetonate)	CAS No.: 54068-28-9 REACH No.: 01-0000020199-67	Skin Sens. 1; H317	< 1.0 % by weight
N-(3-(Trimethoxysilyl)propyl)ethylenediamine	CAS No.: 1760-24-3 EC-No.: 217-164-6 REACH No.: 01-2119970215-39	Skin Sens. 1; H317	< 1.0 % by weight

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice
Take off immediately all contaminated clothing.
In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).
Wear personal protection equipment (refer to section 8).

If inhaled
Provide fresh air.
In case of respiratory tract irritation, consult a physician.

In case of skin contact
After contact with skin, wash immediately with plenty of water and soap.
Do NOT use solvents or thinners.

In case of eye contact
Remove contact lenses.
In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

If swallowed
If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention.
Let water be drunken in little sips (dilution effect).
Do NOT induce vomiting.

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4.2 Most important symptoms and effects, both acute and delayed

Symptoms No information available.

4.3 Indication of any immediate medical attention and special treatment needed

Immediate medical attention If unconscious place in recovery position and seek medical advice.

Special medical treatment Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media spray mist, (water), Water spray jet, alcohol resistant foam, carbon dioxide, Extinguishing powder

Extinguishing media which must not be used for safety reasons Full water jet

5.2 Special hazards arising from the substance or mixture

Special exposure hazards arising from the substance or preparation itself, its combustion products, or released gases Heating or fire can release toxic gas.
Fight fire with normal precautions from a reasonable distance.

5.3 Advice for firefighters

Special protective equipment for firefighting In case of fire: Wear self-contained breathing apparatus.
For the protection against direct skin contact, body protective clothing is essential (in addition to the usual working clothes).

Additional information on firefighting Suppress (knock down) gases/vapours/mists with a water spray jet.
Do not allow water used to extinguish fire to enter drains, ground or waterways.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions For non-emergency personnel
Accidental release measures:
Wear personal protection equipment (refer to section 8).
Remove all sources of ignition.
Ensure adequate ventilation, especially in confined areas.

6.2 Environmental precautions

Environmental precautions The product should not be allowed to enter drains, water courses or the soil.
Prevent spread over a wide area (e.g. by containment or oil barriers).

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6.3 Methods and material for containment and cleaning up

Methods for cleaning up Allow stiffening. Take up mechanically.
Treat the recovered material as prescribed in the section on waste disposal.

6.4 Reference to other sections

Reference to other sections Reference to other sections : 7 / 8 / 13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling Keep container tightly closed.
Hygiene measures: When using do not eat, drink or smoke. Wash hands before breaks and after work.
Take off contaminated clothing and wash it before reuse.

Advice on protection against fire and explosion No special measures are necessary.

7.2 Conditions for safe storage, including any incompatibilities

Storage space and container requirements Keep/Store only in original container.
Keep container tightly closed and dry.
Store in accordance with local regulations.

Unsuitable materials for containers Keep only in original container.

Hints on storage assembly Keep away from food, drink and animal feedingstuffs.

German storage class 10 - 13 (TRGS 510)

Recommended storage temperature +5 - 25 °C

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

8.2 Exposure controls

Respiratory protection In case of inadequate ventilation wear respiratory protection.

Hand protection Health injuries are not known or expected under normal use. For prolonged or repeated contact use protective gloves.

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Suitable material	Protective gloves complying with EN 374. Butyl caoutchouc (butyl rubber), CR (polychloroprene, chloroprene rubber), NBR (Nitrile rubber), Fluorinated rubber
Unsuitable material	PVC or rubber gloves are not recommended.
Material thickness	adjust to application and duration of use
Break through time	adjust to application and duration of use
Remarks	Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).
Note	Replace when worn.
Eye protection	Wear closely fitting protective glasses in case of splashes. Safety glasses with side-shields conforming to EN166
Skin and body protection	Long sleeved clothing
Note	Choose body protection according to the amount and concentration of the dangerous substance at the work place.
General protective and hygiene measures	Do not eat, drink or smoke when using this product. Avoid contact with the skin and the eyes. Wash hands and face before breaks and after work and take a shower if necessary. Keep away from food, drink and animal feedingstuffs. Use protective skin cream before handling the product.
Information on environmental protection regulations	No special environmental measures are necessary. see section 6/7
Engineering measures	Provide adequate ventilation.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form	Paste
Colour	grey
Odour	characteristic
Odour threshold	not determined
pH	not determined
Melting point [°C] / Freezing point [°C]	No data available
Boiling point [°C]	No data available
Initial boiling point [°C] and boiling range [°C]	No data available

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Flash point [°C]	> 60
Evaporation rate [kg/(s*m²)]	No data available
Flammability (solid, gas)	No data available
Explosion limits [Vol-%]	
Lower limit	No data available
Upper limit	No data available
Vapour pressure [kPa]	No data available
Vapour density	No data available
Density [g/cm³]	1,58
Relative density	No data available
Solubility	No data available
Water solubility [g/l]	immiscible
Solubility [g/l]	No data available
Partition coefficient n-octanol /water (log P O/W)	No data available
Autoinflammability	not auto-flammable
Decomposition temperature [°C]	No data available
Viscosity, dynamic [kg/(m*s)]	not determined
Viscosity, kinematic [mm²/s]	> 21
Explosive properties	not explosive.
Risk of explosion.	not explosive.
Oxidising properties	No

SECTION 10: Stability and reactivity

10.1 Reactivity

Reactivity No hazardous reaction when handled and stored according to provisions.
No decomposition if stored and applied as directed.

10.2 Chemical stability

Chemical stability Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to section 7.

10.3 Possibility of hazardous reactions

Hazardous reactions No hazardous reaction when handled and stored according to provisions.

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Value	Test criterion	Duration of dosage	Test species	Note	Source
16,8	LC50	4 h	Rat	OECD 403	Company data

N-[3-(dimethoxymethylsilyl)propyl]ethylenediamine					
Value	Test criterion	Test species	Exposure duration	Source	
> 5,2	LC50	Rat	4 h	Company data	

dioctyltinbis(acetylacetonate)	
Value	Source
Based on available data, the classification criteria are not met.	Company data

Irritant effect on skin No skin irritation

Irritant effect on eyes No eye irritation

Irritant effect on the respiratory tract**Hazardous ingredients**

Trimethoxyvinylsilane	
Value	Source
Based on available data, the classification criteria are not met.	Company data

Sensitization No known effect.

Carcinogenic effects**Hazardous ingredients**

Trimethoxyvinylsilane	
Value	Source
Based on available data, the classification criteria are not met.	Company data

dioctyltinbis(acetylacetonate)	
Value	Source
Based on available data, the classification criteria are not met.	Company data

Mutagenicity**Hazardous ingredients**

Trimethoxyvinylsilane	
Value	Source
Based on available data, the classification criteria are not met.	Company data

dioctyltinbis(acetylacetonate)	
Value	Source

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Based on available data, the classification criteria are not met.	Company data
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Reproduction toxicity**Hazardous ingredients**

Trimethoxyvinylsilane	
Value	Source
Based on available data, the classification criteria are not met.	Company data

N-[3-(dimethoxymethylsilyl)propyl]ethylenediamine		
Value	Measuring method	Source
Did not show mutagenic effects in animal experiments.	OECD 422	Company data

dioctyltinbis(acetylacetonate)	
Value	Source
Based on available data, the classification criteria are not met.	Company data

Specific target organ toxicity (single exposure) [mg/kg]**Hazardous ingredients**

Trimethoxyvinylsilane	
Remarks	Source
*1)	Company data

*1): Based on available data, the classification criteria are not met.

dioctyltinbis(acetylacetonate)	
Remarks	Source
*1)	Company data

*1): Based on available data, the classification criteria are not met.

Specific target organ toxicity (repeated exposure) [mg/kg]**Hazardous ingredients**

Trimethoxyvinylsilane	
Remarks	Source
*1)	Company data

*1): Based on available data, the classification criteria are not met.

dioctyltinbis(acetylacetonate)	
Remarks	Source
*1)	Company data

*1): Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish [mg/l]

Hazardous ingredients

Trimethoxyvinylsilane				
Value	Test criterion	Test species	Measuring method	Source
191	LC50	Oncorhynchus mykiss (Rainbow trout)	96 h	Company data

N-[3-(dimethoxymethylsilyl)propyl]ethylenediamine				
Value	Test criterion	Test species	Exposure duration	Source
597	LC50	Brachydanio rerio (zebra-fish)	96 h	Company data

dioctyltinbis(acetylacetonate)				
Value	Test criterion	Exposure duration	Source	
86	LC50	96 h	Company data	

Toxicity to daphnia [mg/l]

Hazardous ingredients

Trimethoxyvinylsilane				
Value	Test criterion	Test species	Exposure duration	Source
168,7	EC50	Daphnia magna (Big water flea)	48 h	Company data

N-[3-(dimethoxymethylsilyl)propyl]ethylenediamine				
Value	Test species	Exposure duration	Source	
> 100	Daphnia magna (Big water flea)	48 h	Company data	

dioctyltinbis(acetylacetonate)				
Value	Test criterion	Test species	Exposure duration	Source
58,6	EC50	Daphnia magna (Big water flea)	48 h	Company data

Toxicity to algae [mg/l]

Hazardous ingredients

Trimethoxyvinylsilane				
Value	Test criterion	Test species	Exposure duration	Source
> 957	EC50	Desmodesmus subspicatus	72 h	Company data

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N-[3-(dimethoxymethylsilyl)propyl]ethylenediamine				
Value	Test criterion	Test species	Exposure duration	Source
8,8	EC50	Pseudokirchneriella subcapitata	72 h	Company data

dioctyltinbis(acetylacetonate)	
Value	Source
Based on available data, the classification criteria are not met.	Company data

12.2 Persistence and degradability**Biodegradability****Hazardous ingredients**

Trimethoxyvinylsilane	
Value	Source
Readily biodegradable (according to OECD criteria).	Company data

12.3 Bioaccumulative potential**Bioaccumulation****Hazardous ingredients**

N-[3-(dimethoxymethylsilyl)propyl]ethylenediamine	
Remarks	Source
slight	Company data

12.5 Results of PBT and vPvB assessment**Results of PBT characteristics determination****Hazardous ingredients**

Trimethoxyvinylsilane	
Value	Source
This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.	Company data

N-[3-(dimethoxymethylsilyl)propyl]ethylenediamine	
Value	Source
This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.	Company data

dioctyltinbis(acetylacetonate)	
Value	Source
This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.	Company data

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SECTION 13: Disposal considerations

13.1 Waste treatment methods

Disposal considerations	Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation. Empty remaining contents. Empty packaging: Where possible recycling is preferred to disposal or incineration. Product: Can be disposed of as a solid waste or burned in a suitable installation subject to local regulations.
Waste Code	According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. The following Waste Codes are only suggestions: 200000 - MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS

SECTION 14: Transport information

	Land transport ADR/RID	Marine transport IMDG	Air transport ICAO/IATA
14.1 UN-No	Not applicable.	Not applicable.	Not applicable.
14.2 Description of the goods	No dangerous good according to ADR	No dangerous good according to IMDG	No dangerous good according to IATA
14.3 Transport hazard class(es)	Not applicable.	Not applicable.	Not applicable.
14.4 Packaging group	Not applicable.	Not applicable.	Not applicable.
14.5 Environmental hazards	Not applicable.	Not applicable.	Not applicable.
UN proper shipping name		Non dangerous good	Non dangerous good

14.6 Special precautions for user

Precautions No special measures are necessary.

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Annex II of MARPOL and the IBC Code not applicable

SECTION 15: Regulatory information

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

VOC 2,4 % / 39 g/l
Decopaint regulation not relevant

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Carcinogenic hazardous substance as per Annex II GefStoffV No

15.2 Chemical safety assessment

Safety assessment Not relevant. Chemical safety assessments for substances in this mixture were not carried out.
For this preparation a chemical safety assessment has been carried out. This safety data sheet contains more than one ES in an integrated form. Contents of the exposure scenarios have been included into sections 1.2, 8, 9, 12, 15 and 16 of this safety data sheet.

Additional regulations This Safety Data Sheet is prepared according to Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

SECTION 16: Other information

Modifications since last version Modifications of the previous version are denoted with an asterisk (*).

Relevant H-phrases H226: Flammable liquid and vapour.
H302: Harmful if swallowed.
H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H318: Causes serious eye damage.
H332: Harmful if inhaled.
EUH208: Contains N-[3-(dimethoxymethylsilyl)propyl]ethylenediamine;dioctyltinbis(acetylacetonate);N-(3-(trimethoxysilyl)propyl)ethylenediamine. May produce an allergic reaction.

Wording of the hazard classes Flam. Liq.: Flammable liquid
Acute Tox.: Acute toxicity
Eye Dam.: Serious eye damage
Skin Sens.: Skin sensitization
Skin Irrit.: Skin irritation
This product is classified as not hazardous according to regulation EC CLP

Modifications of the previous version are denoted with an asterisk (*).

This information is provided in accordance with the current status of our knowledge and experience. The Safety Data Sheet describes products with a view to relevant safety requirements. This information does not constitute a warranty of properties, features or qualities.