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Safety data sheet according to Regulation (EC) No 1907/2006, Annex II (last amended by Regulation (EU) 2020/878)
Revision date / version: 09.10.2024 / 0016
Replacing version dated / version: 04.07.2024 / 0015
Valid from: 09.10.2024
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Silikondichtmasse transparent
Silicone Sealing Compound, transparent

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II (last amended by Regulation (EU) 2020/878)

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

1.1 Product identifier

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

Relevant identified uses of the substance or mixture:

Silicone sealant

Uses advised against:

No information available at present.

1.3 Details of the supplier of the safety data sheet

CE

LIQUI MOLY GmbH
Jerg-Wieland-Str. 4
89081 Ulm-Lehr
Tel.: (+49) 0731-1420-0
Fax: (+49) 0731-1420-88

Qualified person's e-mail address: info@chemical-check.de, k.schnurbusch@chemical-check.de Please DO NOT use for requesting Safety Data Sheets.

1.4 Emergency telephone number

Emergency information services / official advisory body:

CE

Landspítali- The National University Hospital of Iceland, tel. +354 543 2222 or 112 (valid only for Iceland)

Telephone number of the company in case of emergencies:

+49 (0) 700 / 24 112 112 (LMR)
+1 872 5888271 (LMR)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) 1272/2008 (CLP)

| Hazard class | Hazard category | Hazard statement |
|-----------------|-----------------|---|
| Aquatic Chronic | 3 | H412-Harmful to aquatic life with long lasting effects. |

2.2 Label elements

Labeling according to Regulation (EC) 1272/2008 (CLP)

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H412-Harmful to aquatic life with long lasting effects.

P273-Avoid release to the environment.

P501-Dispose of contents / container to an approved waste disposal facility.

EUH208-Contains 3-aminopropyltriethoxysilane. May produce an allergic reaction.

2.3 Other hazards

The mixture contains a vPvB substance (vPvB = very persistent, very bioaccumulative).

The mixture contains a PBT substance (PBT = persistent, bioaccumulative, toxic).

The mixture does not contain any substance with endocrine disrupting properties (< 0,1 %).

SECTION 3: Composition/information on ingredients

3.1 Substances

n.a.

3.2 Mixtures

| | |
|--|--|
| O,O',O''-(methylsilylidyne)trioxime-2-pentanone | |
| Registration number (REACH) | --- |
| Index | --- |
| EINECS, ELINCS, NLP, REACH-IT List-No. | 484-460-1 |
| CAS | 37859-55-5 |
| content % | 1-<10 |
| Classification according to Regulation (EC) 1272/2008 (CLP), M-factors | Acute Tox. 4, H302 Eye Irrit. 2, H319 |
| Specific Concentration Limits and ATE | ATE (oral): 1234 mg/kg |
| 2-pentanone, O,O',O''-(ethenylsilylidyne)trioxime | |
| Registration number (REACH) | --- |
| Index | --- |
| EINECS, ELINCS, NLP, REACH-IT List-No. | 700-810-0 |
| CAS | 58190-62-8 |
| content % | 1-<10 |
| Classification according to Regulation (EC) 1272/2008 (CLP), M-factors | Acute Tox. 4, H302 Eye Irrit. 2, H319 |
| Specific Concentration Limits and ATE | ATE (oral): 1000 mg/kg |
| Dodecamethylcyclohexasiloxane | |
| | PBT-substance vPvB-substance SVHC-substance |
| Registration number (REACH) | 01-2119517435-42-XXXX |
| Index | --- |
| EINECS, ELINCS, NLP, REACH-IT List-No. | 208-762-8 |
| CAS | 540-97-6 |
| content % | 0,1-<1 |
| Classification according to Regulation (EC) 1272/2008 (CLP), M-factors | --- |
| Decamethylcyclopentasiloxane | |
| | PBT-substance vPvB-substance SVHC-substance |
| Registration number (REACH) | 01-2119511367-43-XXXX |
| Index | --- |
| EINECS, ELINCS, NLP, REACH-IT List-No. | 208-764-9 |
| CAS | 541-02-6 |
| content % | 0,1-<1 |
| Classification according to Regulation (EC) 1272/2008 (CLP), M-factors | Aquatic Chronic 4, H413 |

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| | |
|---|---|
| 3-aminopropyltriethoxysilane | |
| Registration number (REACH) | 01-2119480479-24-XXXX |
| Index | 612-108-00-0 |
| EINECS, ELINCS, NLP, REACH-IT List-No. | 213-048-4 |
| CAS | 919-30-2 |
| content % | 0,1-<1 |
| Classification according to Regulation (EC) 1272/2008 (CLP), M-factors | Acute Tox. 4, H302 Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1, H317 |
| Specific Concentration Limits and ATE | ATE (oral): 1457 mg/kg |

| | |
|---|--|
| Octamethylcyclotetrasiloxane | PBT-substance vPvB-substance SVHC-substance |
| Registration number (REACH) | 01-2119529238-36-XXXX |
| Index | 014-018-00-1 |
| EINECS, ELINCS, NLP, REACH-IT List-No. | 209-136-7 |
| CAS | 556-67-2 |
| content % | 0,01-<0,25 |
| Classification according to Regulation (EC) 1272/2008 (CLP), M-factors | Repr. 2, H361f Aquatic Chronic 1, H410 (M=10) |

For the text of the H-phrases and classification codes (GHS/CLP), see Section 16.
 The substances named in this section are given with their actual, appropriate classification!
 For substances that are listed in appendix VI, table 3.1 of the regulation (EC) no. 1272/2008 (CLP regulation) this means that all notes that may be given here for the named classification have been taken into account.
 The addition of the highest concentrations listed here can result in a classification. Only when this classification is listed in Section 2 does it apply. In all other cases the total concentration is below the classification.

SECTION 4: First aid measures

4.1 Description of first aid measures

First-aiders should ensure they are protected!
 Never pour anything into the mouth of an unconscious person!

Inhalation

Supply person with fresh air and consult doctor according to symptoms.

Skin contact

Wipe off residual product carefully with a soft, dry cloth.
 Remove polluted, soaked clothing immediately, wash thoroughly with plenty of water and soap, in case of irritation of the skin (flare), consult a doctor.

Eye contact

Remove contact lenses.
 Wash thoroughly for several minutes using copious water. Seek medical help if necessary.

Ingestion

Rinse the mouth thoroughly with water.
 Give copious water to drink - consult doctor immediately.

4.2 Most important symptoms and effects, both acute and delayed

If applicable delayed symptoms and effects can be found in section 11 and the absorption route in section 4.1.
 In certain cases, the symptoms of poisoning may only appear after an extended period / after several hours.

Sensitive individuals:
 Allergic reaction possible.

4.3 Indication of any immediate medical attention and special treatment needed

Symptomatic treatment.

SECTION 5: Firefighting measures

5.1 Extinguishing media

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Suitable extinguishing media

CO₂

Extinguishment powder

Foam

Water jet spray

Unsuitable extinguishing media

High volume water jet

5.2 Special hazards arising from the substance or mixture

In case of fire the following can develop:

Oxides of carbon

Oxides of nitrogen

Silicon dioxide

Toxic gases

5.3 Advice for firefighters

For personal protective equipment see Section 8.

In case of fire and/or explosion do not breathe fumes.

Protective respirator with independent air supply.

According to size of fire

Full protection, if necessary.

Dispose of contaminated extinguishment water according to official regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel

In case of spillage or accidental release, wear personal protective equipment as specified in section 8 to prevent contamination.

Ensure sufficient ventilation, remove sources of ignition.

Avoid dust formation with solid or powder products.

Leave the danger zone if possible, use existing emergency plans if necessary.

Avoid contact with eyes or skin.

6.1.2 For emergency responders

See section 8 for suitable protective equipment and material specifications.

6.2 Environmental precautions

If leakage occurs, dam up.

Resolve leaks if this possible without risk.

Prevent surface and ground-water infiltration, as well as ground penetration.

Prevent from entering drainage system.

If accidental entry into drainage system occurs, inform responsible authorities.

6.3 Methods and material for containment and cleaning up

Soak up with absorbent material (e.g. universal binding agent) and dispose of according to Section 13.

6.4 Reference to other sections

For personal protective equipment see Section 8 and for disposal instructions see Section 13.

SECTION 7: Handling and storage

In addition to information given in this section, relevant information can also be found in section 8 and 6.1.

7.1 Precautions for safe handling

7.1.1 General recommendations

Ensure good ventilation.

Avoid contact with eyes or skin.

Eating, drinking, smoking, as well as food-storage, is prohibited in work-room.

Observe directions on label and instructions for use.

Use working methods according to operating instructions.

7.1.2 Notes on general hygiene measures at the workplace

General hygiene measures for the handling of chemicals are applicable.

Wash hands before breaks and at end of work.

Keep away from food, drink and animal feedingstuffs.

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Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

7.2 Conditions for safe storage, including any incompatibilities

Keep out of access to unauthorised individuals.
 Not to be stored in gangways or stair wells.
 Store product closed and only in original packing.
 Store at room temperature.
 Store in a dry place.

7.3 Specific end use(s)

No information available at present.
 Observe the instructions for good working practice and the recommendations for risk assessment.
 Consult hazardous substance information systems, e.g. from the professional associations, the chemical industry or different industries, depending on the application (building materials, wood, chemistry, laboratory, leather, metal).

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

| Chemical Name | Silicon dioxide - amorphous | | |
|--|-----------------------------|--------------------|-----|
| WEL-TWA: 6 mg/m3 (total inh. dust), 2,4 mg/m3 (resp. dust) | WEL-STEL: --- | --- | --- |
| Monitoring procedures: | --- | Other information: | --- |
| BMGV: --- | | | |

| 2-pentanone, O,O',O''-(ethenylsilylidene)trioxime | | | | | | |
|---|--|-----------------------------|------------|---------|------------|------|
| Area of application | Exposure route / Environmental compartment | Effect on health | Descriptor | Value | Unit | Note |
| | Environment - freshwater | | PNEC | 0,103 | mg/l | |
| | Environment - marine | | PNEC | 0,0103 | mg/l | |
| | Environment - sediment, freshwater | | PNEC | 0,586 | mg/kg dw | |
| | Environment - sediment, marine | | PNEC | 0,059 | mg/kg dw | |
| | Environment - sewage treatment plant | | PNEC | 2,22 | mg/l | |
| | Environment - soil | | PNEC | 0,04555 | mg/kg dw | |
| Consumer | Human - inhalation | Long term, systemic effects | DNEL | 0,057 | mg/m3 | |
| Consumer | Human - dermal | Long term, systemic effects | DNEL | 0,033 | mg/kg bw/d | |
| Consumer | Human - oral | Long term, systemic effects | DNEL | 0,033 | mg/kg bw/d | |
| Workers / employees | Human - inhalation | Long term, systemic effects | DNEL | 0,229 | mg/m3 | |
| Workers / employees | Human - dermal | Long term, systemic effects | DNEL | 0,065 | mg/kg bw/d | |

| Dodecamethylcyclohexasiloxane | | | | | | |
|-------------------------------|--|------------------|------------|-------|----------|------|
| Area of application | Exposure route / Environmental compartment | Effect on health | Descriptor | Value | Unit | Note |
| | Environment - sediment, freshwater | | PNEC | 13,5 | mg/kg dw | |
| | Environment - sediment, marine | | PNEC | 1,35 | mg/kg dw | |
| | Environment - soil | | PNEC | 3,336 | mg/kg dw | |
| | Environment - sewage treatment plant | | PNEC | 1 | mg/l | |

| | | | | | | |
|---------------------|----------------------------------|------------------------------|------|------|-------------------|--|
| | Environment - oral (animal feed) | | PNEC | 66,7 | mg/kg | |
| Consumer | Human - oral | Short term, systemic effects | DNEL | 1,7 | mg/kg bw/d | |
| Consumer | Human - inhalation | Short term, local effects | DNEL | 1,5 | mg/m ³ | |
| Consumer | Human - inhalation | Long term, systemic effects | DNEL | 2,7 | mg/m ³ | |
| Consumer | Human - oral | Long term, systemic effects | DNEL | 1,7 | mg/kg bw/d | |
| Consumer | Human - inhalation | Long term, local effects | DNEL | 0,3 | mg/m ³ | |
| Workers / employees | Human - inhalation | Short term, local effects | DNEL | 6,1 | mg/m ³ | |
| Workers / employees | Human - inhalation | Long term, systemic effects | DNEL | 11 | mg/m ³ | |
| Workers / employees | Human - inhalation | Long term, local effects | DNEL | 1,22 | mg/m ³ | |

Decamethylcyclopentasiloxane

| Area of application | Exposure route / Environmental compartment | Effect on health | Descriptor | Value | Unit | Note |
|---------------------|--|------------------------------|------------|---------|-------------------|------|
| | Environment - freshwater | | PNEC | 0,0012 | mg/l | |
| | Environment - marine | | PNEC | 0,00012 | mg/l | |
| | Environment - sediment, freshwater | | PNEC | 2,4 | mg/kg | |
| | Environment - sediment, marine | | PNEC | 0,24 | mg/kg | |
| | Environment - soil | | PNEC | 1,1 | mg/kg | |
| | Environment - sewage treatment plant | | PNEC | 10 | mg/l | |
| Consumer | Human - inhalation | Short term, systemic effects | DNEL | 17,3 | mg/m ³ | |
| Consumer | Human - inhalation | Short term, local effects | DNEL | 4,3 | mg/m ³ | |
| Consumer | Human - inhalation | Long term, systemic effects | DNEL | 17,3 | mg/m ³ | |
| Consumer | Human - inhalation | Long term, local effects | DNEL | 4,3 | mg/m ³ | |
| Consumer | Human - oral | Short term, systemic effects | DNEL | 5 | mg/kg bw/d | |
| Consumer | Human - oral | Long term, systemic effects | DNEL | 5 | mg/kg bw/d | |
| Workers / employees | Human - inhalation | Short term, systemic effects | DNEL | 97,3 | mg/m ³ | |
| Workers / employees | Human - inhalation | Short term, local effects | DNEL | 24,2 | mg/m ³ | |
| Workers / employees | Human - inhalation | Long term, systemic effects | DNEL | 97,3 | mg/m ³ | |
| Workers / employees | Human - inhalation | Long term, local effects | DNEL | 24,2 | mg/m ³ | |

3-aminopropyltriethoxysilane

| Area of application | Exposure route / Environmental compartment | Effect on health | Descriptor | Value | Unit | Note |
|---------------------|---|------------------|------------|-------|----------|------------------------|
| | Environment - freshwater | | PNEC | 0,5 | mg/l | Assessment factor: 50 |
| | Environment - marine | | PNEC | 0,05 | mg/l | Assessment factor: 500 |
| | Environment - sporadic (intermittent) release | | PNEC | 2,05 | mg/l | |
| | Environment - sediment, freshwater | | PNEC | 1,8 | mg/kg dw | |

| | | | | | | |
|---------------------|--------------------------------------|------------------------------|------|-------|-------------------|-----------------------|
| | Environment - soil | | PNEC | 0,069 | mg/kg dw | |
| | Environment - sewage treatment plant | | PNEC | 0,81 | mg/l | Assessment factor: 10 |
| | Environment - sediment, marine | | PNEC | 0,18 | mg/kg dw | |
| Consumer | Human - oral | Short term, systemic effects | DNEL | 5 | mg/kg | |
| Consumer | Human - oral | Long term, systemic effects | DNEL | 1 | mg/kg bw/d | |
| Consumer | Human - dermal | Short term, systemic effects | DNEL | 5 | mg/kg | |
| Consumer | Human - dermal | Long term, systemic effects | DNEL | 1 | mg/kg bw/d | |
| Consumer | Human - inhalation | Short term, systemic effects | DNEL | 17,4 | mg/m ³ | |
| Consumer | Human - inhalation | Long term, systemic effects | DNEL | 3,5 | mg/m ³ | |
| Workers / employees | Human - dermal | Short term, systemic effects | DNEL | 8,3 | mg/kg bw/day | |
| Workers / employees | Human - inhalation | Short term, systemic effects | DNEL | 59 | mg/m ³ | |
| Workers / employees | Human - dermal | Long term, systemic effects | DNEL | 2 | mg/kg bw/day | |
| Workers / employees | Human - inhalation | Long term, systemic effects | DNEL | 14 | mg/m ³ | |

| Octamethylcyclotetrasiloxane | | | | | | |
|------------------------------|--|------------------------------|------------|-------|-------------------|------|
| Area of application | Exposure route / Environmental compartment | Effect on health | Descriptor | Value | Unit | Note |
| | Environment - freshwater | | PNEC | 1,5 | µg/l | |
| | Environment - marine | | PNEC | 0,15 | µg/l | |
| | Environment - sediment, freshwater | | PNEC | 3 | mg/kg dry weight | |
| | Environment - sediment, marine | | PNEC | 0,3 | mg/kg dry weight | |
| | Environment - soil | | PNEC | 0,54 | mg/l | |
| | Environment - sewage treatment plant | | PNEC | 10 | mg/l | |
| | Environment - oral (animal feed) | | PNEC | 41 | mg/kg feed | |
| Consumer | Human - inhalation | Long term, systemic effects | DNEL | 13 | mg/m ³ | |
| Consumer | Human - inhalation | Short term, systemic effects | DNEL | 13 | mg/m ³ | |
| Consumer | Human - inhalation | Long term, local effects | DNEL | 13 | mg/m ³ | |
| Consumer | Human - inhalation | Short term, local effects | DNEL | 13 | mg/m ³ | |
| Consumer | Human - oral | Long term, systemic effects | DNEL | 3,7 | mg/kg bw/day | |
| Consumer | Human - oral | Short term, systemic effects | DNEL | 3,7 | mg/kg bw/day | |
| Workers / employees | Human - inhalation | Long term, systemic effects | DNEL | 73 | mg/m ³ | |
| Workers / employees | Human - inhalation | Short term, systemic effects | DNEL | 73 | mg/m ³ | |
| Workers / employees | Human - inhalation | Long term, local effects | DNEL | 73 | mg/m ³ | |
| Workers / employees | Human - inhalation | Short term, local effects | DNEL | 73 | mg/m ³ | |

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| Area of application | Exposure route / Environmental compartment | Effect on health | Descriptor | Value | Unit | Note |
|---------------------|--|-----------------------------|------------|-------|-------------------|------|
| Workers / employees | Human - inhalation | Long term, systemic effects | DNEL | 4 | mg/m ³ | |

Ⓒ - United Kingdom | WEL-TWA = Workplace Exposure Limit - Long-term exposure limit - 8-hour TWA (= time weighted average) reference period (EH40/2005 Workplace exposure limits (Fourth Edition 2020)).
 (EU) = Directive 91/322/EEC, 98/24/EC, 2000/39/EC, 2004/37/EC, 2006/15/EC, 2009/161/EU, 2017/164/EU or 2019/1831/EU:
 (8) = Inhalable fraction (2004/37/CE, 2017/164/EU). (9) = Respirable fraction (2004/37/CE, 2017/164/EU). (11) = Inhalable fraction (2004/37/CE). (12) = Inhalable fraction. Respirable fraction in those Member States that implement, on the date of the entry into force of this Directive, a biomonitoring system with a biological limit value not exceeding 0,002 mg Cd/g creatinine in urine (2004/37/CE). |
 | WEL-STEL = Workplace Exposure Limit - Short-term exposure limit - 15-minute reference period (EH40/2005 Workplace exposure limits (Fourth Edition 2020)).
 (EU) = Directive 91/322/EEC, 98/24/EC, 2000/39/EC, 2004/37/EC, 2006/15/EC, 2009/161/EU, 2017/164/EU or 2019/1831/EU:
 (8) = Inhalable fraction (2004/37/EC, 2017/164/EU). (9) = Respirable fraction (2004/37/EC, 2017/164/EU). (10) = Short-term exposure limit value in relation to a reference period of 1 minute (2017/164/EU). |
 | BMGV = Biological monitoring guidance value (EH40/2005 Workplace exposure limits (Fourth Edition 2020)).
 (EU) = Directive 98/24/EC or 2004/37/EC or SCOEL (Biological Limit Value - BLV, Recommendation from the Scientific Committee on Occupational Exposure Limits (SCOEL)) |
 | Other information (EH40/2005 Workplace exposure limits (Fourth Edition 2020)): Sen = Capable of causing occupational asthma. Sk = Can be absorbed through skin. Carc = Capable of causing cancer and/or heritable genetic damage.
 (EU) = Directive 91/322/EEC, 98/24/EC, 2000/39/EC, 2004/37/EC, 2006/15/EC, 2009/161/EU, 2017/164/EU or 2019/1831/EU:
 (13) = The substance can cause sensitisation of the skin and of the respiratory tract (2004/37/CE), (14) = The substance can cause sensitisation of the skin (2004/37/CE). |

8.2 Exposure controls

8.2.1 Appropriate engineering controls

Ensure good ventilation. This can be achieved by local suction or general air extraction.
 If this is insufficient to maintain the concentration under the WEL or AGW values, suitable breathing protection should be worn.
 Applies only if maximum permissible exposure values are listed here.
 Suitable assessment methods for reviewing the effectiveness of protection measures adopted include metrological and non-metrological investigative techniques.
 These are specified by e.g. EN 14042.
 EN 14042 "Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents".

8.2.2 Individual protection measures, such as personal protective equipment

General hygiene measures for the handling of chemicals are applicable.
 Wash hands before breaks and at end of work.
 Keep away from food, drink and animal feedingstuffs.
 Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

Eye/face protection:
 Tight fitting protective goggles with side protection (EN 166).

Skin protection - Hand protection:
 Chemical resistant protective gloves (EN ISO 374).
 Recommended
 Protective nitrile gloves (EN ISO 374).
 Minimum layer thickness in mm:
 0,4
 Permeation time (penetration time) in minutes:
 480
 Protective hand cream recommended.
 The breakthrough times determined in accordance with EN 16523-1 were not obtained under practical conditions.
 The recommended maximum wearing time is 50% of breakthrough time.

Skin protection - Other:
 Protective working garments (e.g. safety shoes EN ISO 20345, long-sleeved protective working garments).

Respiratory protection:

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Normally not necessary.

Thermal hazards:
Not applicable

Additional information on hand protection - No tests have been performed.
In the case of mixtures, the selection has been made according to the knowledge available and the information about the contents.
Selection of materials derived from glove manufacturer's indications.
Final selection of glove material must be made taking the breakthrough times, permeation rates and degradation into account.
Selection of a suitable glove depends not only on the material but also on other quality characteristics and varies from manufacturer to manufacturer.
In the case of mixtures, the resistance of glove materials cannot be predicted and must therefore be tested before use.
The exact breakthrough time of the glove material can be requested from the protective glove manufacturer and must be observed.

8.2.3 Environmental exposure controls

No information available at present.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

| | |
|---|--|
| Physical state: | Liquid |
| Colour: | Transparent |
| Odour: | Characteristic |
| Melting point/freezing point: | There is no information available on this parameter. |
| Boiling point or initial boiling point and boiling range: | There is no information available on this parameter. |
| Flammability: | There is no information available on this parameter. |
| Lower explosion limit: | There is no information available on this parameter. |
| Upper explosion limit: | There is no information available on this parameter. |
| Flash point: | There is no information available on this parameter. |
| Auto-ignition temperature: | There is no information available on this parameter. |
| Decomposition temperature: | There is no information available on this parameter. |
| pH: | Mixture is non-soluble (in water). |
| Kinematic viscosity: | There is no information available on this parameter. |
| Solubility: | Insoluble, Active substance |
| Partition coefficient n-octanol/water (log value): | Does not apply to mixtures. |
| Vapour pressure: | There is no information available on this parameter. |
| Density and/or relative density: | 1,02 g/cm ³ (relative density, Active substance) |
| Relative vapour density: | There is no information available on this parameter. |
| Particle characteristics: | Does not apply to liquids. |

9.2 Other information

| | |
|--------------------|---------------------------|
| Explosives: | Product is not explosive. |
| Oxidising liquids: | No |

SECTION 10: Stability and reactivity

10.1 Reactivity

The product has not been tested.

10.2 Chemical stability

Stable with proper storage and handling.

10.3 Possibility of hazardous reactions

No dangerous reactions are known.

10.4 Conditions to avoid

See also section 7.

None known

10.5 Incompatible materials

See also section 7.

None known

10.6 Hazardous decomposition products

See also section 5.2

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No decomposition when used as directed.

SECTION 11: Toxicological information

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

Possibly more information on health effects, see Section 2.1 (classification).

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| Toxicity / effect | Endpoint | Value | Unit | Organism | Test method | Notes |
|---|----------|-------|-------|----------|-------------|------------------|
| Acute toxicity, by oral route: | ATE | >2000 | mg/kg | | | calculated value |
| Acute toxicity, by dermal route: | | | | | | n.d.a. |
| Acute toxicity, by inhalation: | | | | | | n.d.a. |
| Skin corrosion/irritation: | | | | | | n.d.a. |
| Serious eye damage/irritation: | | | | | | n.d.a. |
| Respiratory or skin sensitisation: | | | | | | n.d.a. |
| Germ cell mutagenicity: | | | | | | n.d.a. |
| Carcinogenicity: | | | | | | n.d.a. |
| Reproductive toxicity: | | | | | | n.d.a. |
| Specific target organ toxicity - single exposure (STOT-SE): | | | | | | n.d.a. |
| Specific target organ toxicity - repeated exposure (STOT-RE): | | | | | | n.d.a. |
| Aspiration hazard: | | | | | | n.d.a. |
| Symptoms: | | | | | | n.d.a. |

O,O',O''-(methylsilylidyne)trioxime-2-pentanone

| Toxicity / effect | Endpoint | Value | Unit | Organism | Test method | Notes |
|------------------------------------|----------|-------|------------|------------------------|--|-----------------|
| Acute toxicity, by oral route: | LD50 | 1234 | mg/kg | Rat | OECD 425 (Acute Oral Toxicity - Up-and-Down Procedure) | |
| Acute toxicity, by oral route: | ATE | 1234 | mg/kg | | | |
| Skin corrosion/irritation: | | | | Rabbit | OECD 404 (Acute Dermal Irritation/Corrosion) | Not irritant |
| Serious eye damage/irritation: | | | | Rabbit | OECD 405 (Acute Eye Irritation/Corrosion) | Eye Irrit. 2 |
| Respiratory or skin sensitisation: | | | | Guinea pig | OECD 406 (Skin Sensitisation) | Not sensitising |
| Germ cell mutagenicity: | | | | Salmonella typhimurium | OECD 471 (Bacterial Reverse Mutation Test) | Negative |
| Germ cell mutagenicity: | | | | Rat | OECD 474 (Mammalian Erythrocyte Micronucleus Test) | Negative |
| Reproductive toxicity: | NOAEL | 200 | mg/kg bw/d | Rat | OECD 416 (Two-generation Reproduction Toxicity Study) | |

2-pentanone, O,O',O''-(ethenylsilylidyne)trioxime

| Toxicity / effect | Endpoint | Value | Unit | Organism | Test method | Notes |
|--------------------------------|----------|-------|-------|----------|-------------|-------|
| Acute toxicity, by oral route: | LD50 | 1000 | mg/kg | Rat | | |
| Acute toxicity, by oral route: | ATE | 1000 | mg/kg | | | |

Dodecamethylcyclohexasiloxane

| Toxicity / effect | Endpoint | Value | Unit | Organism | Test method | Notes |
|----------------------------------|----------|-------|-------|----------|---|-------|
| Acute toxicity, by oral route: | LD50 | >2000 | mg/kg | Rat | OECD 423 (Acute Oral Toxicity - Acute Toxic Class Method) | |
| Acute toxicity, by dermal route: | LD50 | >2000 | mg/kg | Rat | OECD 402 (Acute Dermal Toxicity) | |

| | | | | | | |
|---|-------|------|------------|------------------------|--|-------------------|
| Skin corrosion/irritation: | | | | Rabbit | OECD 404 (Acute Dermal Irritation/Corrosion) | Not irritant |
| Serious eye damage/irritation: | | | | Rabbit | OECD 405 (Acute Eye Irritation/Corrosion) | Not irritant |
| Respiratory or skin sensitisation: | | | | Guinea pig | OECD 406 (Skin Sensitisation) | No (skin contact) |
| Germ cell mutagenicity: | | | | Salmonella typhimurium | OECD 471 (Bacterial Reverse Mutation Test) | Negative |
| Germ cell mutagenicity: | | | | Mouse | OECD 474 (Mammalian Erythrocyte Micronucleus Test) | Negative |
| Specific target organ toxicity - repeated exposure (STOT-RE): | NOAEL | 0,15 | mg/kg bw/d | Rat | OECD 407 (Repeated Dose 28-Day Oral Toxicity Study in Rodents) | |
| Specific target organ toxicity - repeated exposure (STOT-RE), oral: | NOAEL | 1000 | mg/kg | Rat | OECD 422 (Combined Repeated Dose Tox. Study with the Reproduction/Developm. Tox. Screening Test) | |

Decamethylcyclopentasiloxane

| Toxicity / effect | Endpoint | Value | Unit | Organism | Test method | Notes |
|------------------------------------|----------|-------|---------|----------|--|-------------------|
| Acute toxicity, by oral route: | LD50 | >5000 | mg/kg | Rat | OECD 401 (Acute Oral Toxicity) | |
| Acute toxicity, by dermal route: | LD50 | >2000 | mg/kg | Rabbit | OECD 402 (Acute Dermal Toxicity) | |
| Acute toxicity, by inhalation: | LC50 | 8,67 | mg/l/4h | Rat | OECD 403 (Acute Inhalation Toxicity) | Aerosol |
| Skin corrosion/irritation: | | | | Rabbit | OECD 404 (Acute Dermal Irritation/Corrosion) | Not irritant |
| Serious eye damage/irritation: | | | | Rabbit | OECD 405 (Acute Eye Irritation/Corrosion) | Not irritant |
| Respiratory or skin sensitisation: | | | | Mouse | OECD 429 (Skin Sensitisation - Local Lymph Node Assay) | No (skin contact) |
| Respiratory or skin sensitisation: | | | | Mouse | OECD 406 (Skin Sensitisation) | No (skin contact) |
| Germ cell mutagenicity: | | | | Rat | OECD 486 (Unscheduled DNA Synthesis (UDS) Test with Mammalian Liver Cells In Vivo) | Negative |

3-aminopropyltriethoxysilane

| Toxicity / effect | Endpoint | Value | Unit | Organism | Test method | Notes |
|----------------------------------|----------|-------|---------|----------|--|-----------------|
| Acute toxicity, by oral route: | LD50 | 1457 | mg/kg | Rat | OECD 401 (Acute Oral Toxicity) | |
| Acute toxicity, by oral route: | ATE | 1457 | mg/kg | | | |
| Acute toxicity, by dermal route: | LD50 | 4076 | mg/kg | Rabbit | OECD 402 (Acute Dermal Toxicity) | |
| Acute toxicity, by inhalation: | LC50 | >7,35 | mg/l/4h | Rat | OECD 403 (Acute Inhalation Toxicity) | Aerosol |
| Acute toxicity, by inhalation: | LC50 | >16 | ppm/6h | Rat | OECD 403 (Acute Inhalation Toxicity) | Vapours, Female |
| Acute toxicity, by inhalation: | LC50 | >5 | ppm/6h | Rat | OECD 403 (Acute Inhalation Toxicity) | Vapours, Male |
| Skin corrosion/irritation: | | | | Rabbit | OECD 404 (Acute Dermal Irritation/Corrosion) | Skin Corr. 1B |

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 Silikondichtmasse transparent
 Silicone Sealing Compound, transparent

| | | | | | | |
|---|-------|-------|-------|------------------------|--|---|
| Serious eye damage/irritation: | | | | Rabbit | OECD 405 (Acute Eye Irritation/Corrosion) | Eye Dam. 1 |
| Respiratory or skin sensitisation: | | | | Guinea pig | OECD 406 (Skin Sensitisation) | Skin Sens. 1 |
| Germ cell mutagenicity: | | | | Salmonella typhimurium | OECD 471 (Bacterial Reverse Mutation Test) | Negative |
| Germ cell mutagenicity: | | | | Mouse | OECD 474 (Mammalian Erythrocyte Micronucleus Test) | Negative |
| Germ cell mutagenicity: | | | | | OECD 476 (In Vitro Mammalian Cell Gene Mutation Test) | Negative |
| Reproductive toxicity (Developmental toxicity): | NOAEL | 100 | mg/kg | Rat | OECD 414 (Prenatal Developmental Toxicity Study) | |
| Specific target organ toxicity - repeated exposure (STOT-RE), oral: | NOAEL | 200 | mg/kg | Rat | OECD 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents) | (90d) |
| Specific target organ toxicity - repeated exposure (STOT-RE), dermal: | NOAEL | 84 | mg/kg | Rabbit | | (9d) |
| Specific target organ toxicity - repeated exposure (STOT-RE), inhalat.: | NOAEL | 0,147 | mg/l | Rat | | (19d) |
| Symptoms: | | | | | | respiratory distress, burning of the membranes of the nose and throat, coughing, mucous membrane irritation |
| Symptoms: | | | | | | eyes, reddened, watering eyes |

Octamethylcyclotetrasiloxane

| Toxicity / effect | Endpoint | Value | Unit | Organism | Test method | Notes |
|------------------------------------|----------|-------|---------|------------|--|----------------------------|
| Acute toxicity, by oral route: | LD50 | >4800 | mg/kg | Rat | OECD 401 (Acute Oral Toxicity) | Male |
| Acute toxicity, by dermal route: | LD50 | >2375 | mg/kg | Rat | OECD 402 (Acute Dermal Toxicity) | |
| Acute toxicity, by inhalation: | LC50 | 36 | mg/l/4h | Rat | OECD 403 (Acute Inhalation Toxicity) | Aerosol |
| Skin corrosion/irritation: | | | | Rabbit | OECD 404 (Acute Dermal Irritation/Corrosion) | Not irritant |
| Serious eye damage/irritation: | | | | Rat | OECD 405 (Acute Eye Irritation/Corrosion) | Not irritant |
| Respiratory or skin sensitisation: | | | | Mouse | OECD 429 (Skin Sensitisation - Local Lymph Node Assay) | No (skin contact) |
| Respiratory or skin sensitisation: | | | | Guinea pig | OECD 406 (Skin Sensitisation) | No (skin contact) |
| Germ cell mutagenicity: | | | | | | Negative |
| Reproductive toxicity: | | | | | | Repr. 2 |
| Symptoms: | | | | | | mucous membrane irritation |

Silicon dioxide - amorphous

| Toxicity / effect | Endpoint | Value | Unit | Organism | Test method | Notes |
|-------------------|----------|-------|------|----------|-------------|-------|
|-------------------|----------|-------|------|----------|-------------|-------|

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 Silikondichtmasse transparent
 Silicone Sealing Compound, transparent

| | | | | | | |
|---|-------|-------|------------|------------------------|--|-----------------------------------|
| Acute toxicity, by oral route: | LD50 | >5000 | mg/kg | Rat | OECD 401 (Acute Oral Toxicity) | |
| Acute toxicity, by dermal route: | LD50 | >5000 | mg/kg | Rabbit | IUCLID Chem. Data Sheet (ESIS) | |
| Skin corrosion/irritation: | | | | Rabbit | OECD 404 (Acute Dermal Irritation/Corrosion) | Not irritant |
| Serious eye damage/irritation: | | | | Rabbit | OECD 405 (Acute Eye Irritation/Corrosion) | Not irritant |
| Respiratory or skin sensitisation: | | | | Guinea pig | IUCLID Chem. Data Sheet (ESIS) | Not sensitising |
| Germ cell mutagenicity: | | | | Salmonella typhimurium | (Ames-Test) | Negative |
| Carcinogenicity: | | | | | | Negative |
| Reproductive toxicity: | NOAEL | >497 | mg/kg bw/d | | | No indications of such an effect. |
| Specific target organ toxicity - repeated exposure (STOT-RE), inhalat.: | NOAEL | 0,035 | mg/l | | | Negative |

11.2. Information on other hazards

| Silikondichtmasse transparent Silicone Sealing Compound, transparent | | | | | | |
|---|----------|-------|------|----------|-------------|---|
| Toxicity / effect | Endpoint | Value | Unit | Organism | Test method | Notes |
| Endocrine disrupting properties: | | | | | | Does not apply to mixtures. |
| Other information: | | | | | | No other relevant information available on adverse effects on health. |

SECTION 12: Ecological information

Possibly more information on environmental effects, see Section 2.1 (classification).

| Silikondichtmasse transparent Silicone Sealing Compound, transparent | | | | | | | |
|---|----------|------|-------|------|----------|-------------|---|
| Toxicity / effect | Endpoint | Time | Value | Unit | Organism | Test method | Notes |
| 12.1. Toxicity to fish: | | | | | | | n.d.a. |
| 12.1. Toxicity to daphnia: | | | | | | | n.d.a. |
| 12.1. Toxicity to algae: | | | | | | | n.d.a. |
| 12.2. Persistence and degradability: | | | | | | | n.d.a. |
| 12.3. Bioaccumulative potential: | | | | | | | n.d.a. |
| 12.4. Mobility in soil: | | | | | | | n.d.a. |
| 12.5. Results of PBT and vPvB assessment | | | | | | | n.d.a. |
| 12.6. Endocrine disrupting properties: | | | | | | | Does not apply to mixtures. |
| 12.7. Other adverse effects: | | | | | | | No information available on other adverse effects on the environment. |
| Other information: | DOC | | | | | | DOC-elimination degree(complexing organic substance)>= 80%/28d: n.a. |

| O,O',O''-(methylsilylidyne)trioxime-2-pentanone | | | | | | | |
|--|-----------------|-------------|--------------|-------------|---------------------------------|--|--------------|
| Toxicity / effect | Endpoint | Time | Value | Unit | Organism | Test method | Notes |
| 12.1. Toxicity to fish: | LC50 | 96h | >113 | mg/l | Oncorhynchus mykiss | OECD 203 (Fish, Acute Toxicity Test) | |
| 12.1. Toxicity to fish: | NOEC/NOEL | 96h | 113 | mg/l | Oncorhynchus mykiss | OECD 203 (Fish, Acute Toxicity Test) | |
| 12.1. Toxicity to daphnia: | NOEC/NOEL | 48h | 113 | mg/l | Daphnia magna | OECD 202 (Daphnia sp. Acute Immobilisation Test) | |
| 12.1. Toxicity to daphnia: | EC50 | 48h | >113 | mg/l | Daphnia magna | OECD 202 (Daphnia sp. Acute Immobilisation Test) | |
| 12.1. Toxicity to algae: | EC50 | 72h | 56 | mg/l | Pseudokirchneriella subcapitata | OECD 201 (Alga, Growth Inhibition Test) | |
| 12.1. Toxicity to algae: | LOEC/LOEL | 72h | 36 | mg/l | Pseudokirchneriella subcapitata | OECD 201 (Alga, Growth Inhibition Test) | |
| 12.3. Bioaccumulative potential: | Log Pow | | 1,25 | | | OECD 117 (Partition Coefficient (n-octanol/water) - HPLC method) | |

| Dodecamethylcyclohexasiloxane | | | | | | | |
|--|-----------------|-------------|--------------|-------------|---------------------------------|--|--|
| Toxicity / effect | Endpoint | Time | Value | Unit | Organism | Test method | Notes |
| 12.1. Toxicity to fish: | LD50 | 49d | >4,4 | µg/l | Pimephales promelas | | |
| 12.1. Toxicity to fish: | NOEC/NOEL | >60d | >=14 | µg/l | Oncorhynchus mykiss | OECD 210 (Fish, Early-Life Stage Toxicity Test) | 90d |
| 12.1. Toxicity to daphnia: | NOEC/NOEL | 21d | >4,6 | µg/l | Daphnia magna | OECD 211 (Daphnia magna Reproduction Test) | |
| 12.1. Toxicity to algae: | EC50 | 72h | >2 | µg/l | Pseudokirchneriella subcapitata | OECD 201 (Alga, Growth Inhibition Test) | |
| 12.1. Toxicity to algae: | NOEC/NOEL | 72h | >= 2 | µg/l | Pseudokirchneriella subcapitata | OECD 201 (Alga, Growth Inhibition Test) | |
| 12.2. Persistence and degradability: | | 28d | 4,47 | % | | OECD 310 (Ready Biodegradability - CO ₂ in sealed vessels (Headspace Test)) | Not readily biodegradable CO ₂ evolution |
| 12.3. Bioaccumulative potential: | Log Pow | | 8,87-9,45 | | | | |
| 12.3. Bioaccumulative potential: | BCF | 49d | 1160 | | | OECD 305 (Bioconcentration - Flow-Through Fish Test) | |
| 12.4. Mobility in soil: | Log Koc | | >5000 | | | | |
| 12.5. Results of PBT and vPvB assessment | | | | | | | vPvB-substance, PBT-substance |

| | | | | | | | |
|-----------------------|------|----|------|------|------------------|--|------|
| Toxicity to bacteria: | EC50 | 3h | >100 | mg/l | activated sludge | OECD 209 (Activated Sludge, Respiration Inhibition Test (Carbon and Ammonium Oxidation)) | |
| Water solubility: | | | 5 | µg/l | | | 25°C |

Decamethylcyclopentasiloxane

| Toxicity / effect | Endpoint | Time | Value | Unit | Organism | Test method | Notes |
|--------------------------------------|-----------|------|-------|------|---------------------------------|--|---|
| 12.1. Toxicity to fish: | LC50 | 96h | >16 | µg/l | Oncorhynchus mykiss | OECD 203 (Fish, Acute Toxicity Test) | Water toxicology is above the water-solubility value. |
| 12.1. Toxicity to fish: | NOEC/NOEL | >60d | >14 | µg/l | Oncorhynchus mykiss | OECD 210 (Fish, Early-Life Stage Toxicity Test) | Water toxicology is above the water-solubility value. |
| 12.1. Toxicity to daphnia: | NOEC/NOEL | 21d | >15 | µg/l | Daphnia magna | OECD 211 (Daphnia magna Reproduction Test) | Water toxicology is above the water-solubility value. |
| 12.1. Toxicity to daphnia: | EC50 | 48h | >2,9 | µg/l | Daphnia magna | OECD 202 (Daphnia sp. Acute Immobilisation Test) | Water toxicology is above the water-solubility value. |
| 12.1. Toxicity to algae: | EC50 | 96h | >12 | µg/l | Pseudokirchneriella subcapitata | OECD 201 (Alga, Growth Inhibition Test) | Water toxicology is above the water-solubility value. |
| 12.2. Persistence and degradability: | | 28d | 0,14 | % | | OECD 310 (Ready Biodegradability - CO ₂ in sealed vessels (Headspace Test)) | Not readily biodegradable |
| 12.3. Bioaccumulative potential: | Log Pow | | 8,023 | | | | |
| 12.3. Bioaccumulative potential: | BCF | | 7060 | | | | |
| Toxicity to bacteria: | EC50 | 3h | >2000 | mg/l | activated sludge | | |

3-aminopropyltriethoxysilane

| Toxicity / effect | Endpoint | Time | Value | Unit | Organism | Test method | Notes |
|----------------------------|----------|------|-------|------|---------------------------------|--|-------|
| 12.1. Toxicity to fish: | LC50 | 96h | >934 | mg/l | Brachydanio rerio | OECD 203 (Fish, Acute Toxicity Test) | |
| 12.1. Toxicity to daphnia: | EC50 | 48h | 311 | mg/l | Daphnia magna | OECD 202 (Daphnia sp. Acute Immobilisation Test) | |
| 12.1. Toxicity to algae: | EC50 | 72h | >1000 | mg/l | Pseudokirchneriella subcapitata | OECD 201 (Alga, Growth Inhibition Test) | |

| | | | | | | | |
|--|-----------|-----|-----|------|-------------------------|---|-------------------------------------|
| 12.1. Toxicity to algae: | NOEC/NOEL | 72h | 1,3 | mg/l | Scenedesmus subspicatus | Regulation (EC) 440/2008 C.3 (FRESHWATER ALGAE AND CYANOBACTERIA, GROWTH INHIBITION TEST) | |
| 12.2. Persistence and degradability: | DOC | 28d | 67 | % | | OECD 301 A (Ready Biodegradability - DOC Die-Away Test) | Not readily biodegradable |
| 12.3. Bioaccumulative potential: | BCF | | 3,4 | | Cyprinus caprio | OECD 305 (Bioconcentration - Flow-Through Fish Test) | Not to be expected |
| 12.3. Bioaccumulative potential: | Log Pow | | 1,7 | | | | Low |
| 12.5. Results of PBT and vPvB assessment | | | | | | | No PBT substance, No vPvB substance |
| Toxicity to bacteria: | EC10 | 6h | 13 | mg/l | Pseudomonas putida | | |
| Water solubility: | | | | | | | Insoluble |

Octamethylcyclotetrasiloxane

| Toxicity / effect | Endpoint | Time | Value | Unit | Organism | Test method | Notes |
|--|-----------|------|--------|------|---------------------|--|-------------------------------|
| 12.1. Toxicity to fish: | LC50 | 96h | >500 | mg/l | Brachydanio rerio | | |
| 12.1. Toxicity to fish: | LC50 | 96h | >1000 | mg/l | Lepomis macrochirus | | |
| 12.1. Toxicity to fish: | LC50 | 96h | >1000 | mg/l | Salmo gairdneri | | |
| 12.1. Toxicity to fish: | NOEC/NOEL | >60d | 4,4 | µg/l | Oncorhynchus mykiss | | |
| 12.1. Toxicity to daphnia: | EC50 | 48h | >0,015 | mg/l | Daphnia magna | | |
| 12.1. Toxicity to daphnia: | NOEC/NOEL | 21d | 0,0079 | mg/l | Daphnia magna | | |
| 12.1. Toxicity to algae: | ErC10 | 96h | 0,022 | mg/l | | | |
| 12.2. Persistence and degradability: | | | 3,7 | % | | OECD 310 (Ready Biodegradability - CO2 in sealed vessels (Headspace Test)) | 29d |
| 12.3. Bioaccumulative potential: | Log Pow | | 6,98 | | | | |
| 12.3. Bioaccumulative potential: | BCF | 28d | 12400 | | Pimephales promelas | | |
| 12.5. Results of PBT and vPvB assessment | | | | | | | PBT-substance, vPvB-substance |
| Toxicity to bacteria: | EC50 | 3h | >10000 | mg/l | activated sludge | | |

Silicon dioxide - amorphous

| Toxicity / effect | Endpoint | Time | Value | Unit | Organism | Test method | Notes |
|----------------------------|-----------|------|--------|------|-------------------|--|-------|
| 12.1. Toxicity to fish: | LC50 | 96h | >10000 | mg/l | Brachydanio rerio | OECD 203 (Fish, Acute Toxicity Test) | |
| 12.1. Toxicity to daphnia: | EC50 | 24h | >1000 | mg/l | Daphnia magna | OECD 202 (Daphnia sp. Acute Immobilisation Test) | |
| 12.1. Toxicity to daphnia: | NOEC/NOEL | 30d | 34223 | mg/l | Daphnia magna | | |

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| | | | | | | | |
|--------------------------------------|-----------|-----|--------|------|---------------------------------|---|--|
| 12.1. Toxicity to algae: | EC50 | 72h | >10000 | mg/l | Desmodesmus subspicatus | OECD 201 (Alga, Growth Inhibition Test) | |
| 12.1. Toxicity to algae: | IC50 | 72h | 440 | mg/l | Pseudokirchneriella subcapitata | IUCLID Chem. Data Sheet (ESIS) | |
| 12.1. Toxicity to algae: | NOEC/NOEL | 72h | 60 | mg/l | Pseudokirchneriella subcapitata | IUCLID Chem. Data Sheet (ESIS) | |
| 12.2. Persistence and degradability: | | | | | | | Not relevant for inorganic substances. |

SECTION 13: Disposal considerations

13.1 Waste treatment methods

For the substance / mixture / residual amounts

EC disposal code no.:

The waste codes are recommendations based on the scheduled use of this product.

Owing to the user's specific conditions for use and disposal, other waste codes may be allocated under certain circumstances. (2014/955/EU)

07 02 17 waste containing silicones other than those mentioned in 07 02 16

08 04 09 waste adhesives and sealants containing organic solvents or other hazardous substances

Recommendation:

Sewage disposal shall be discouraged.

Pay attention to local and national official regulations.

E.g. dispose at suitable refuse site.

E.g. suitable incineration plant.

For contaminated packing material

Pay attention to local and national official regulations.

Empty container completely.

Uncontaminated packaging can be recycled.

Dispose of packaging that cannot be cleaned in the same manner as the substance.

SECTION 14: Transport information

General statements

Transport by road/by rail (ADR/RID)

14.1. UN number or ID number: Not applicable

14.2. UN proper shipping name:

Not applicable

14.3. Transport hazard class(es):

Not applicable

14.4. Packing group:

Not applicable

14.5. Environmental hazards:

Not applicable

Tunnel restriction code:

Not applicable

Classification code:

Not applicable

LQ:

Not applicable

Transport category:

Not applicable

Transport by sea (IMDG-code)

14.1. UN number or ID number: Not applicable

14.2. UN proper shipping name:

Not applicable

14.3. Transport hazard class(es):

Not applicable

14.4. Packing group:

Not applicable

14.5. Environmental hazards:

Not applicable

Marine Pollutant:

Not applicable

EmS:

Not applicable

Transport by air (IATA)

14.1. UN number or ID number: Not applicable

14.2. UN proper shipping name:

Not applicable

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14.3. Transport hazard class(es): Not applicable
 14.4. Packing group: Not applicable
 14.5. Environmental hazards: Not applicable

14.6. Special precautions for user

Unless specified otherwise, general measures for safe transport must be followed.

14.7. Maritime transport in bulk according to IMO instruments

Non-dangerous material according to Transport Regulations.

SECTION 15: Regulatory information

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

Observe restrictions:
 Regulation (EC) No 1907/2006, Annex XVII
 Dodecamethylcyclohexasiloxane
 Decamethylcyclopentasiloxane
 Octamethylcyclotetrasiloxane
 Comply with trade association/occupational health regulations.

Directive 2010/75/EU (VOC): 6,1 %

National requirements/regulations on safety and health protection must be applied when using work equipment.

15.2 Chemical safety assessment

A chemical safety assessment is not provided for mixtures.

SECTION 16: Other information

Revised sections: 2, 3, 4, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16
 These details refer to the product as it is delivered.
 Employee instruction/training in handling hazardous materials is required.

Classification and processes used to derive the classification of the mixture in accordance with the ordinance (EG) 1272/2008 (CLP):

| Classification in accordance with regulation (EC) No. 1272/2008 (CLP) | Evaluation method used |
|---|--|
| Aquatic Chronic 3, H412 | Classification according to calculation procedure. |

The following phrases represent the posted Hazard Class and Risk Category Code (GHS/CLP) of the product and the constituents.
 H361f Suspected of damaging fertility.
 H302 Harmful if swallowed.
 H314 Causes severe skin burns and eye damage.
 H317 May cause an allergic skin reaction.
 H318 Causes serious eye damage.
 H319 Causes serious eye irritation.
 H410 Very toxic to aquatic life with long lasting effects.
 H413 May cause long lasting harmful effects to aquatic life.

Aquatic Chronic — Hazardous to the aquatic environment - chronic
 Acute Tox. — Acute toxicity - oral
 Eye Irrit. — Eye irritation
 Skin Corr. — Skin corrosion
 Eye Dam. — Serious eye damage
 Skin Sens. — Skin sensitization
 Repr. — Reproductive toxicity

Key literature references and sources for data:

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 Silicone Sealing Compound, transparent

Regulation (EC) No 1907/2006 (REACH) and Regulation (EC) No 1272/2008 (CLP) as amended.
 Guidelines for the preparation of safety data sheets as amended (ECHA).
 Guidelines on labelling and packaging according to the Regulation (EG) Nr. 1272/2008 (CLP) as amended (ECHA).
 Safety data sheets for the constituent substances.
 ECHA Homepage - Information about chemicals.
 GESTIS Substance Database (Germany).
 German Environment Agency "Rigoletto" information site on substances that are hazardous to water (Germany).
 EU Occupation Exposure Limits Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU, (EU) 2017/164, (EU) 2019/1831, each as amended.
 National Lists of Occupational Exposure Limits for each country as amended.
 Regulations on the transport of hazardous goods by road, rail, sea and air (ADR, RID, IMDG, IATA) as amended.

Any abbreviations and acronyms used in this document:

acc., acc. to according, according to
 ADR Accord européen relatif au transport international des marchandises Dangereuses par Route (= European Agreement concerning the International Carriage of Dangerous Goods by Road)
 AOX Adsorbable organic halogen compounds
 approx. approximately
 Art., Art. no. Article number
 ASTM ASTM International (American Society for Testing and Materials)
 ATE Acute Toxicity Estimate
 BAM Bundesanstalt für Materialforschung und -prüfung (= Federal Institute for Materials Research and Testing, Germany)
 BAuA Bundesanstalt für Arbeitsschutz und Arbeitsmedizin (= Federal Institute for Occupational Health and Safety, Germany)
 BCF Bioconcentration factor
 BSEF The International Bromine Council
 CAS Chemical Abstracts Service
 CLP Classification, Labelling and Packaging (REGULATION (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures)
 CMR carcinogenic, mutagenic, reproductive toxic
 DMEL Derived Minimum Effect Level
 DNEL Derived No Effect Level
 DOC Dissolved organic carbon
 e.g. for example (abbreviation of Latin 'exempli gratia'), for instance
 EbCx, EyCx, EbLx (x = 10, 50) Effect Concentration/Level of x % on reduction of the biomass (algae, plants)
 EC European Community
 ECHA European Chemicals Agency
 ECx, ELx (x = 0, 3, 5, 10, 20, 50, 80, 100) Effect Concentration/Level for x % effect
 EEC European Economic Community
 EINECS European Inventory of Existing Commercial Chemical Substances
 ELINCS European List of Notified Chemical Substances
 EN European Norms
 EPA United States Environmental Protection Agency (United States of America)
 ErCx, EµCx, ErLx (x = 10, 50) Effect Concentration/Level of x % on inhibition of the growth rate (algae, plants)
 etc. et cetera
 EU European Union
 EVAL Ethylene-vinyl alcohol copolymer
 Fax. Fax number
 gen. general
 GHS Globally Harmonized System of Classification and Labelling of Chemicals
 GWP Global warming potential
 Koc Adsorption coefficient of organic carbon in the soil
 Kow octanol-water partition coefficient
 IARC International Agency for Research on Cancer
 IATA International Air Transport Association
 IBC (Code) International Bulk Chemical (Code)
 IMDG-code International Maritime Code for Dangerous Goods
 incl. including, inclusive
 IUCLID International Uniform Chemical Information Database
 IUPAC International Union for Pure Applied Chemistry
 LC50 Lethal Concentration to 50 % of a test population
 LD50 Lethal Dose to 50% of a test population (Median Lethal Dose)

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Safety data sheet according to Regulation (EC) No 1907/2006, Annex II (last amended by Regulation (EU) 2020/878)

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Log K_{oc} Logarithm of adsorption coefficient of organic carbon in the soil

Log K_{ow}, Log P_{ow} Logarithm of octanol-water partition coefficient

LQ Limited Quantities

MARPOL International Convention for the Prevention of Marine Pollution from Ships

mg/kg bw mg/kg body weight

mg/kg bw/d, mg/kg bw/day mg/kg body weight/day

mg/kg dw mg/kg dry weight

mg/kg wwt mg/kg wet weight

n.a. not applicable

n.av. not available

n.c. not checked

n.d.a. no data available

NIOSH National Institute for Occupational Safety and Health (USA)

NLP No-longer-Polymer

NOEC, NOEL No Observed Effect Concentration/Level

OECD Organisation for Economic Co-operation and Development

org. organic

OSHA Occupational Safety and Health Administration (USA)

PBT persistent, bioaccumulative and toxic

PE Polyethylene

PNEC Predicted No Effect Concentration

ppm parts per million

PVC Polyvinylchloride

REACH Registration, Evaluation, Authorisation and Restriction of Chemicals (REGULATION (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals)

REACH-IT List-No. 6/7/8/9xx-xxx-x No. is automatically assigned, e.g. to pre-registrations without a CAS No. or other numerical identifier. List Numbers do not have any legal significance, rather they are purely technical identifiers for processing a submission via REACH-IT.

RID Règlement concernant le transport International ferroviaire de marchandises Dangereuses (= Regulation concerning the International Carriage of Dangerous Goods by Rail)

SVHC Substances of Very High Concern

Tel. Telephone

TOC Total organic carbon

UN RTDG United Nations Recommendations on the Transport of Dangerous Goods

VOC Volatile organic compounds

vPvB very persistent and very bioaccumulative

The statements made here should describe the product with regard to the necessary safety precautions - they are not meant to guarantee definite characteristics - but they are based on our present up-to-date knowledge.

No responsibility.

These statements were made by:

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