



## Safety Data Sheet according to (EC) No 1907/2006 as amended

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LOCTITE SI 5610 B

SDS No. : 243882

V010.0

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

#### 1.1. Product identifier

LOCTITE SI 5610 B

UFI: Y2UD-FW8W-120M-MGRX

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

Intended use:

Silicone adhesive

#### 1.3. Details of the supplier of the safety data sheet

Henkel Ltd

Adhesives

Wood Lane End

HP2 4RQ Hemel Hempstead

Great Britain

Phone: +44 (1442) 278000

SDSinfo.Adhesive@henkel.com

For Safety Data Sheet updates please visit our website [www.mysds.henkel.com](http://www.mysds.henkel.com) or [www.henkel-adhesives.com](http://www.henkel-adhesives.com).

#### 1.4. Emergency telephone number

24 Hours Emergency Tel: +44 (0)1442 278497

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification (CLP):

Serious eye irritation

H319 Causes serious eye irritation.

Category 2

#### 2.2. Label elements

##### Label elements (CLP):

Hazard pictogram:



Signal word:

Warning

Hazard statement:

H319 Causes serious eye irritation.

**Precautionary statement:** P337+P313 If eye irritation persists: Get medical advice/attention.  
**Response**

### 2.3. Other hazards

None if used properly.

Following substances are present in a concentration  $\geq$  the concentration limit for depiction in Section 3 and fulfill the criteria for PBT/vPvB, or were identified as endocrine disruptor (ED):

|                                          |     |
|------------------------------------------|-----|
| Octamethylcyclotetrasiloxane<br>556-67-2 | PBT |
|------------------------------------------|-----|

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

Declaration of the ingredients according to CLP (EC) No 1272/2008:

| Hazardous components<br>CAS No.<br>EC No.<br>REACH-Reg. No.                   | Concentration                            | Classification                                                                                                                            | Specific Conc. Limits, M-factors and ATEs | Add. Information |
|-------------------------------------------------------------------------------|------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|------------------|
| Trimethoxy(methyl)silane<br>1185-55-3<br>214-685-0<br>01-2119517436-40        | 1- < 5 %                                 | Flam. Liq. 2, H225                                                                                                                        |                                           |                  |
| 3-(Trimethoxysilyl)propylamine<br>13822-56-5<br>237-511-5<br>01-2119510159-45 | 1- < 3 %                                 | Skin Irrit. 2, H315<br>Eye Dam. 1, H318                                                                                                   |                                           |                  |
| Hexamethyldisiloxane<br>107-46-0<br>203-492-7<br>01-2119496108-31             | 0,1- < 1 %                               | Flam. Liq. 2, H225<br>Aquatic Acute 1, H400<br>Aquatic Chronic 2, H411                                                                    | M acute = 1                               |                  |
| Hexamethyldisilazane<br>999-97-3<br>213-668-5<br>01-2119438176-38             | 0,1- < 1 %                               | Flam. Liq. 2, H225<br>Acute Tox. 4, Oral, H302<br>Acute Tox. 3, Dermal, H311<br>Acute Tox. 4, Inhalation, H332<br>Aquatic Chronic 3, H412 | inhalation:ATE = 10,1<br>mg/l;vapour      |                  |
| Octamethylcyclotetrasiloxane<br>556-67-2<br>209-136-7<br>01-2119529238-36     | 0,0025- < 0,025 %<br>(25 ppm- < 250 ppm) | Aquatic Chronic 1, H410<br>Repr. 2, H361f<br>Flam. Liq. 3, H226<br>PBT EUH440<br>vPvB EUH441                                              | M chronic = 10                            | SVHC<br>PBT      |

If no ATE values are displayed, please refer to LD/LC50 values in Section 11.  
For full text of the H - statements and other abbreviations see section 16 "Other information".

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

Inhalation:  
Move to fresh air. If symptoms persist, seek medical advice.

Skin contact:  
Rinse with running water and soap.  
Obtain medical attention if irritation persists.

Eye contact:  
Rinse immediately with plenty of running water (for 10 minutes), seek medical attention from a specialist.

Ingestion:  
Rinse mouth, drink 1-2 glasses of water, do not induce vomiting, consult a doctor.

#### **4.2. Most important symptoms and effects, both acute and delayed**

EYE: Irritation, conjunctivitis.

Prolonged or repeated contact may cause skin irritation.

#### **4.3. Indication of any immediate medical attention and special treatment needed**

See section: Description of first aid measures

### **SECTION 5: Firefighting measures**

#### **5.1. Extinguishing media**

**Suitable extinguishing media:**  
water, carbon dioxide, foam, powder

#### **Extinguishing media which must not be used for safety reasons:**

High pressure waterjet

#### **5.2. Special hazards arising from the substance or mixture**

In the event of a fire, carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>) and nitrogen oxides (NO<sub>x</sub>) can be released.  
Silicon dioxide

#### **5.3. Advice for firefighters**

Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.

#### **Additional information:**

In case of fire, keep containers cool with water spray.

### **SECTION 6: Accidental release measures**

#### **6.1. Personal precautions, protective equipment and emergency procedures**

Avoid contact with skin and eyes.  
Wear protective equipment.  
Ensure adequate ventilation.  
Avoid dust formation.

#### **6.2. Environmental precautions**

Do not empty into drains / surface water / ground water.

#### **6.3. Methods and material for containment and cleaning up**

Dispose of contaminated material as waste according to Section 13.  
Scrape up as much material as possible.  
Sweep up spilled material. Avoid creating dust.  
Store in a partly filled, closed container until disposal.

#### **6.4. Reference to other sections**

See advice in section 8

### **SECTION 7: Handling and storage**

**7.1. Precautions for safe handling**

Avoid skin and eye contact.  
See advice in section 8

**Hygiene measures:**

Good industrial hygiene practices should be observed.  
Wash hands before work breaks and after finishing work.  
Do not eat, drink or smoke while working.

**7.2. Conditions for safe storage, including any incompatibilities**

Store in a cool, well-ventilated place.  
Refer to Technical Data Sheet.  
Never allow product to get in contact with water during storage

**7.3. Specific end use(s)**

Silicone adhesive

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters****Occupational Exposure Limits**

Valid for  
Great Britain

| Ingredient [Regulated substance]                                               | ppm | mg/m <sup>3</sup> | Value type                   | Short term exposure limit category / Remarks | Regulatory list |
|--------------------------------------------------------------------------------|-----|-------------------|------------------------------|----------------------------------------------|-----------------|
| Limestone<br>1317-65-3<br>[CALCIUM CARBONATE, INHALABLE DUST]                  |     | 10                | Time Weighted Average (TWA): |                                              | EH40 WEL        |
| Limestone<br>1317-65-3<br>[CALCIUM CARBONATE, RESPIRABLE DUST]                 |     | 4                 | Time Weighted Average (TWA): |                                              | EH40 WEL        |
| Limestone<br>1317-65-3<br>[LIMESTONE, RESPIRABLE MARBLE, RESPIRABLE]           |     | 4                 | Time Weighted Average (TWA): |                                              | EH40 WEL        |
| Limestone<br>1317-65-3<br>[LIMESTONE, TOTAL INHALABLE MARBLE, TOTAL INHALABLE] |     | 10                | Time Weighted Average (TWA): |                                              | EH40 WEL        |

**Occupational Exposure Limits**

Valid for  
Ireland

| Ingredient [Regulated substance]              | ppm | mg/m <sup>3</sup> | Value type                   | Short term exposure limit category / Remarks | Regulatory list |
|-----------------------------------------------|-----|-------------------|------------------------------|----------------------------------------------|-----------------|
| Limestone<br>1317-65-3<br>[CALCIUM CARBONATE] |     | 4                 | Time Weighted Average (TWA): |                                              | IR_OEL          |
| Limestone<br>1317-65-3<br>[CALCIUM CARBONATE] |     | 10                | Time Weighted Average (TWA): |                                              | IR_OEL          |

**Predicted No-Effect Concentration (PNEC):**

| Name on list                                 | Environmental<br>Compartment       | Exposure<br>period | Value      |     |                |        | Remarks |
|----------------------------------------------|------------------------------------|--------------------|------------|-----|----------------|--------|---------|
|                                              |                                    |                    | mg/l       | ppm | mg/kg          | others |         |
| Trimethoxy(methyl)silane<br>1185-55-3        | aqua<br>(freshwater)               |                    | 1,3 mg/l   |     |                |        |         |
| Trimethoxy(methyl)silane<br>1185-55-3        | aqua (marine<br>water)             |                    | 0,13 mg/l  |     |                |        |         |
| Trimethoxy(methyl)silane<br>1185-55-3        | sewage<br>treatment plant<br>(STP) |                    | 6,9 mg/l   |     |                |        |         |
| Trimethoxy(methyl)silane<br>1185-55-3        | sediment<br>(freshwater)           |                    |            |     | 4,8 mg/kg      |        |         |
| Trimethoxy(methyl)silane<br>1185-55-3        | sediment<br>(marine water)         |                    |            |     | 0,48 mg/kg     |        |         |
| Trimethoxy(methyl)silane<br>1185-55-3        | Soil                               |                    |            |     | 0,19 mg/kg     |        |         |
| Trimethoxy(methyl)silane<br>1185-55-3        | sediment<br>(freshwater)           |                    |            |     | 0,73 mg/kg     |        |         |
| Trimethoxy(methyl)silane<br>1185-55-3        | sediment<br>(marine water)         |                    |            |     | 0,073<br>mg/kg |        |         |
| Trimethoxy(methyl)silane<br>1185-55-3        | Soil                               |                    |            |     | 0,03 mg/kg     |        |         |
| 3-(Trimethoxysilyl)propylamine<br>13822-56-5 | aqua<br>(freshwater)               |                    | 0,5 mg/l   |     |                |        |         |
| 3-(Trimethoxysilyl)propylamine<br>13822-56-5 | aqua (marine<br>water)             |                    | 0,05 mg/l  |     |                |        |         |
| 3-(Trimethoxysilyl)propylamine<br>13822-56-5 | oral                               |                    |            |     | 11,1 mg/kg     |        |         |
| 3-(Trimethoxysilyl)propylamine<br>13822-56-5 | sediment<br>(freshwater)           |                    |            |     | 1,8 mg/kg      |        |         |
| 3-(Trimethoxysilyl)propylamine<br>13822-56-5 | sediment<br>(marine water)         |                    |            |     | 0,18 mg/kg     |        |         |
| 3-(Trimethoxysilyl)propylamine<br>13822-56-5 | Soil                               |                    |            |     | 0,069<br>mg/kg |        |         |
| 3-(Trimethoxysilyl)propylamine<br>13822-56-5 | Sewage<br>treatment plant          |                    | 0,81 mg/l  |     |                |        |         |
| 3-(Trimethoxysilyl)propylamine<br>13822-56-5 | Freshwater -<br>intermittent       |                    | 2,05 mg/l  |     |                |        |         |
| Hexamethyldisiloxane<br>107-46-0             | aqua<br>(freshwater)               |                    | 0,002 mg/l |     |                |        |         |
| Hexamethyldisiloxane<br>107-46-0             | aqua (marine<br>water)             |                    | 0 mg/l     |     |                |        |         |
| Hexamethyldisiloxane<br>107-46-0             | sediment<br>(freshwater)           |                    |            |     | 8,9 mg/kg      |        |         |
| Hexamethyldisiloxane<br>107-46-0             | sediment<br>(marine water)         |                    |            |     | 0,89 mg/kg     |        |         |
| Hexamethyldisiloxane<br>107-46-0             | Soil                               |                    |            |     | 0,083<br>mg/kg |        |         |
| Hexamethyldisiloxane<br>107-46-0             | Sewage<br>treatment plant          |                    | 10 mg/l    |     |                |        |         |
| Hexamethyldisiloxane<br>107-46-0             | Freshwater -<br>intermittent       |                    | 0,003 mg/l |     |                |        |         |
| Hexamethyldisiloxane<br>107-46-0             | oral                               |                    |            |     | 5,3 mg/kg      |        |         |
| 1,1,1,3,3,3-Hexamethyldisilazane<br>999-97-3 | sediment<br>(freshwater)           |                    |            |     | 0,97 mg/kg     |        |         |
| 1,1,1,3,3,3-Hexamethyldisilazane<br>999-97-3 | sediment<br>(marine water)         |                    |            |     | 0,097<br>mg/kg |        |         |
| 1,1,1,3,3,3-Hexamethyldisilazane<br>999-97-3 | Soil                               |                    |            |     | 0,12 mg/kg     |        |         |
| 1,1,1,3,3,3-Hexamethyldisilazane<br>999-97-3 | sewage<br>treatment plant<br>(STP) |                    | 5 mg/l     |     |                |        |         |
| 1,1,1,3,3,3-Hexamethyldisilazane<br>999-97-3 | aqua (marine<br>water)             |                    | 0,003 mg/l |     |                |        |         |
| 1,1,1,3,3,3-Hexamethyldisilazane<br>999-97-3 | aqua<br>(freshwater)               |                    | 0,12 mg/l  |     |                |        |         |
| 1,1,1,3,3,3-Hexamethyldisilazane<br>999-97-3 | oral                               |                    |            |     | 27 mg/kg       |        |         |

|                                          |                                    |  |                 |  |           |  |  |
|------------------------------------------|------------------------------------|--|-----------------|--|-----------|--|--|
| Octamethylcyclotetrasiloxane<br>556-67-2 | aqua<br>(freshwater)               |  | 0,0015<br>mg/l  |  |           |  |  |
| Octamethylcyclotetrasiloxane<br>556-67-2 | aqua (marine<br>water)             |  | 0,00015<br>mg/l |  |           |  |  |
| Octamethylcyclotetrasiloxane<br>556-67-2 | sewage<br>treatment plant<br>(STP) |  | 10 mg/l         |  |           |  |  |
| Octamethylcyclotetrasiloxane<br>556-67-2 | sediment<br>(freshwater)           |  |                 |  | 3 mg/kg   |  |  |
| Octamethylcyclotetrasiloxane<br>556-67-2 | sediment<br>(marine water)         |  |                 |  | 0,3 mg/kg |  |  |
| Octamethylcyclotetrasiloxane<br>556-67-2 | oral                               |  |                 |  | 41 mg/kg  |  |  |
| Octamethylcyclotetrasiloxane<br>556-67-2 | Soil                               |  |                 |  | 4,2 mg/kg |  |  |

**Derived No-Effect Level (DNEL):**

| Name on list                                 | Application Area   | Route of Exposure | Health Effect                                | Exposure Time | Value                   | Remarks |
|----------------------------------------------|--------------------|-------------------|----------------------------------------------|---------------|-------------------------|---------|
| Trimethoxy(methyl)silane<br>1185-55-3        | Workers            | inhalation        | Long term exposure - systemic effects        |               | 25,6 mg/m <sup>3</sup>  |         |
| Trimethoxy(methyl)silane<br>1185-55-3        | Workers            | dermal            | Long term exposure - systemic effects        |               | 3,6 mg/kg               |         |
| Trimethoxy(methyl)silane<br>1185-55-3        | General population | inhalation        | Long term exposure - systemic effects        |               | 6,25 mg/m <sup>3</sup>  |         |
| Trimethoxy(methyl)silane<br>1185-55-3        | General population | oral              | Long term exposure - systemic effects        |               | 0,26 mg/kg              |         |
| Trimethoxy(methyl)silane<br>1185-55-3        | General population | dermal            | Long term exposure - systemic effects        |               | 7,2 mg/kg               |         |
| 3-(Trimethoxysilyl)propylamine<br>13822-56-5 | Workers            | inhalation        | Long term exposure - systemic effects        |               | 7,1 mg/m <sup>3</sup>   |         |
| 3-(Trimethoxysilyl)propylamine<br>13822-56-5 | Workers            | dermal            | Long term exposure - systemic effects        |               | 1 mg/m <sup>3</sup>     |         |
| 3-(Trimethoxysilyl)propylamine<br>13822-56-5 | Workers            | inhalation        | Long term exposure - local effects           |               |                         |         |
| 3-(Trimethoxysilyl)propylamine<br>13822-56-5 | Workers            | inhalation        | Acute/short term exposure - local effects    |               |                         |         |
| 3-(Trimethoxysilyl)propylamine<br>13822-56-5 | Workers            | dermal            | Long term exposure - local effects           |               |                         |         |
| 3-(Trimethoxysilyl)propylamine<br>13822-56-5 | Workers            | dermal            | Acute/short term exposure - local effects    |               |                         |         |
| 3-(Trimethoxysilyl)propylamine<br>13822-56-5 | General population | inhalation        | Long term exposure - systemic effects        |               | 1,7 mg/m <sup>3</sup>   |         |
| 3-(Trimethoxysilyl)propylamine<br>13822-56-5 | General population | inhalation        | Acute/short term exposure - systemic effects |               | 26400 mg/m <sup>3</sup> |         |
| 3-(Trimethoxysilyl)propylamine<br>13822-56-5 | General population | dermal            | Long term exposure - systemic effects        |               | 0,5 mg/kg               |         |
| 3-(Trimethoxysilyl)propylamine<br>13822-56-5 | General population | oral              | Long term exposure - systemic effects        |               | 8 mg/kg                 |         |
| 3-(Trimethoxysilyl)propylamine<br>13822-56-5 | General population | inhalation        | Long term exposure - local effects           |               |                         |         |
| 3-(Trimethoxysilyl)propylamine<br>13822-56-5 | General population | inhalation        | Acute/short term exposure - local effects    |               |                         |         |
| 3-(Trimethoxysilyl)propylamine<br>13822-56-5 | General population | dermal            | Long term exposure - local effects           |               |                         |         |
| 3-(Trimethoxysilyl)propylamine<br>13822-56-5 | General population | dermal            | Acute/short term exposure - local effects    |               |                         |         |
| Hexamethyldisiloxane<br>107-46-0             | Workers            | inhalation        | Long term exposure - systemic effects        |               | 53,4 mg/m <sup>3</sup>  |         |
| Hexamethyldisiloxane<br>107-46-0             | Workers            | dermal            | Long term exposure - systemic effects        |               | 333 mg/kg               |         |
| Hexamethyldisiloxane<br>107-46-0             | General population | inhalation        | Long term exposure - systemic effects        |               | 13,3 mg/m <sup>3</sup>  |         |
| Hexamethyldisiloxane<br>107-46-0             | General population | dermal            | Long term exposure -                         |               | 167 mg/kg               |         |

|                                              |                       |            |                                                    |  |            |  |
|----------------------------------------------|-----------------------|------------|----------------------------------------------------|--|------------|--|
|                                              |                       |            | systemic effects                                   |  |            |  |
| Hexamethyldisiloxane<br>107-46-0             | General<br>population | oral       | Long term<br>exposure -<br>systemic effects        |  | 0,27 mg/kg |  |
| 1,1,1,3,3,3-Hexamethyldisilazane<br>999-97-3 | Workers               | inhalation | Long term<br>exposure -<br>systemic effects        |  | 53 mg/m3   |  |
| 1,1,1,3,3,3-Hexamethyldisilazane<br>999-97-3 | Workers               | inhalation | Acute/short term<br>exposure -<br>systemic effects |  | 106 mg/m3  |  |
| 1,1,1,3,3,3-Hexamethyldisilazane<br>999-97-3 | Workers               | inhalation | Long term<br>exposure - local<br>effects           |  | 133 mg/m3  |  |
| 1,1,1,3,3,3-Hexamethyldisilazane<br>999-97-3 | Workers               | inhalation | Acute/short term<br>exposure - local<br>effects    |  | 341 mg/m3  |  |
| 1,1,1,3,3,3-Hexamethyldisilazane<br>999-97-3 | Workers               | dermal     | Long term<br>exposure -<br>systemic effects        |  | 7,5 mg/kg  |  |
| 1,1,1,3,3,3-Hexamethyldisilazane<br>999-97-3 | Workers               | dermal     | Acute/short term<br>exposure -<br>systemic effects |  |            |  |
| 1,1,1,3,3,3-Hexamethyldisilazane<br>999-97-3 | General<br>population | inhalation | Long term<br>exposure -<br>systemic effects        |  | 3,6 mg/m3  |  |
| 1,1,1,3,3,3-Hexamethyldisilazane<br>999-97-3 | General<br>population | oral       | Long term<br>exposure -<br>systemic effects        |  | 0,4 mg/kg  |  |
| 1,1,1,3,3,3-Hexamethyldisilazane<br>999-97-3 | Workers               | dermal     | Long term<br>exposure - local<br>effects           |  |            |  |
| 1,1,1,3,3,3-Hexamethyldisilazane<br>999-97-3 | Workers               | dermal     | Acute/short term<br>exposure - local<br>effects    |  |            |  |
| Octamethylcyclotetrasiloxane<br>556-67-2     | Workers               | inhalation | Long term<br>exposure -<br>systemic effects        |  | 73 mg/m3   |  |
| Octamethylcyclotetrasiloxane<br>556-67-2     | Workers               | inhalation | Long term<br>exposure - local<br>effects           |  | 73 mg/m3   |  |
| Octamethylcyclotetrasiloxane<br>556-67-2     | General<br>population | inhalation | Long term<br>exposure -<br>systemic effects        |  | 13 mg/m3   |  |
| Octamethylcyclotetrasiloxane<br>556-67-2     | General<br>population | inhalation | Long term<br>exposure - local<br>effects           |  | 13 mg/m3   |  |
| Octamethylcyclotetrasiloxane<br>556-67-2     | General<br>population | oral       | Long term<br>exposure -<br>systemic effects        |  | 3,7 mg/kg  |  |

**Biological Exposure Indices:**  
None**8.2. Exposure controls:**

Engineering controls:  
Ensure good ventilation/extraction.

Respiratory protection:  
Ensure adequate ventilation.  
An approved mask or respirator fitted with an organic vapour cartridge should be worn if the product is used in a poorly ventilated area  
Filter type: A (EN 14387)

**Hand protection:**

Chemical-resistant protective gloves (EN 374).

Suitable materials for short-term contact or splashes (recommended: at least protection index 2, corresponding to > 30 minutes permeation time as per EN 374):

nitrile rubber (NBR;  $\geq 0.4$  mm thickness)

Suitable materials for longer, direct contact (recommended: protection index 6, corresponding to > 480 minutes permeation time as per EN 374):

nitrile rubber (NBR;  $\geq 0.4$  mm thickness)

This information is based on literature references and on information provided by glove manufacturers, or is derived by analogy with similar substances. Please note that in practice the working life of chemical-resistant protective gloves may be considerably shorter than the permeation time determined in accordance with EN 374 as a result of the many influencing factors (e.g. temperature). If signs of wear and tear are noticed then the gloves should be replaced.

**Eye protection:**

Safety glasses with sideshields or chemical safety goggles should be worn if there is a risk of splashing.

Protective eye equipment should conform to EN166.

**Skin protection:**

Wear suitable protective clothing.

Protective clothing should conform to EN 14605 for liquid splashes or to EN 13982 for dusts.

**Advices to personal protection equipment:**

The information provided on personal protective equipment is for guidance purposes only. A full risk assessment should be conducted prior to using this product to determine the appropriate personal protective equipment to suit local conditions.

Personal protective equipment should conform to the relevant EN standard.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|                                                             |                                                                                                                                     |
|-------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Delivery form                                               | paste                                                                                                                               |
| Colour                                                      | White                                                                                                                               |
| Odor                                                        | Alcohol                                                                                                                             |
| Physical state                                              | solid                                                                                                                               |
| Melting point                                               | < -20 °C (< -4 °F)                                                                                                                  |
| Solidification temperature                                  | Not applicable, Product is a solid                                                                                                  |
| Initial boiling point                                       | > 270 °C (> 518 °F)                                                                                                                 |
| Flammability                                                | The product is not flammable.                                                                                                       |
| Explosive limits                                            | Not applicable, Product is a solid                                                                                                  |
| Flash point                                                 | Not applicable, Product is a solid                                                                                                  |
| Auto-ignition temperature                                   | Not applicable, Product is a solid                                                                                                  |
| Decomposition temperature                                   | Not applicable, Substance/mixture is not self-reactive, no organic peroxide and does not decompose under foreseen conditions of use |
| pH                                                          | Not applicable, Product is non-soluble (in water).                                                                                  |
| Viscosity (kinematic)                                       | Not applicable, Product is a solid                                                                                                  |
| Solubility (qualitative)<br>(20 °C (68 °F); Solvent: Water) | Reacts with water.                                                                                                                  |
| Partition coefficient: n-octanol/water                      | Not applicable                                                                                                                      |
| Vapour pressure<br>(20 °C (68 °F))                          | Mixture<br>0,27 Pa                                                                                                                  |
| Vapour pressure<br>(50 °C (122 °F))                         | 3,8 Pa                                                                                                                              |
| Density<br>( )                                              | 1,7 g/cm <sup>3</sup> None                                                                                                          |
| Bulk density                                                | 1,7 g/cm <sup>3</sup>                                                                                                               |
| Relative vapour density:<br>(20 °C)                         | Heavier than air                                                                                                                    |
| Particle characteristics                                    | Not applicable<br>Product is not powder.                                                                                            |

### 9.2. Other information

Other information not applicable for this product

**SECTION 10: Stability and reactivity****10.1. Reactivity**

Reacts with oxidants, acids and lyes

**10.2. Chemical stability**

Stable under recommended storage conditions.

**10.3. Possibility of hazardous reactions**

See section reactivity

**10.4. Conditions to avoid**

Stable under normal conditions of storage and use.  
Excessive heat.

**10.5. Incompatible materials**

See section reactivity.

**10.6. Hazardous decomposition products**

None if used for intended purpose.

**SECTION 11: Toxicological information****11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute oral toxicity:**

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

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

| Hazardous substances<br>CAS-No.              | Value<br>type | Value          | Species | Method                                                            |
|----------------------------------------------|---------------|----------------|---------|-------------------------------------------------------------------|
| Trimethoxy(methyl)silane<br>1185-55-3        | LD50          | 11.685 mg/kg   | rat     | not specified                                                     |
| 3-(Trimethoxysilyl)propylamine<br>13822-56-5 | LD50          | 3.030 mg/kg    | rat     | equivalent or similar to OECD Guideline 401 (Acute Oral Toxicity) |
| Hexamethyldisiloxane<br>107-46-0             | LD50          | > 12.000 mg/kg | rat     | not specified                                                     |
| Hexamethyldisilazane<br>999-97-3             | LD50          | 851 mg/kg      | rat     | OECD Guideline 401 (Acute Oral Toxicity)                          |
| Octamethylcyclotetrasiloxane<br>556-67-2     | LD50          | > 4.800 mg/kg  | rat     | equivalent or similar to OECD Guideline 401 (Acute Oral Toxicity) |

**Acute dermal toxicity:**

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

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

| Hazardous substances CAS-No.              | Value type | Value         | Species | Method                                                              |
|-------------------------------------------|------------|---------------|---------|---------------------------------------------------------------------|
| Trimethoxy(methyl)silane 1185-55-3        | LD50       | > 9.500 mg/kg | rabbit  | OECD Guideline 402 (Acute Dermal Toxicity)                          |
| 3-(Trimethoxysilyl)propylamine 13822-56-5 | LD50       | 11.300 mg/kg  | rabbit  | equivalent or similar to OECD Guideline 402 (Acute Dermal Toxicity) |
| Hexamethyldisiloxane 107-46-0             | LD50       | > 2.000 mg/kg | rat     | equivalent or similar to OECD Guideline 402 (Acute Dermal Toxicity) |
| Hexamethyldisilazane 999-97-3             | LD50       | 547 mg/kg     | rat     | OECD Guideline 402 (Acute Dermal Toxicity)                          |
| Octamethylcyclotetrasiloxane 556-67-2     | LD50       | > 2.375 mg/kg | rat     | equivalent or similar to OECD Guideline 402 (Acute Dermal Toxicity) |

**Acute inhalative toxicity:**

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

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

| Hazardous substances CAS-No.          | Value type                    | Value       | Test atmosphere | Exposure time | Species | Method                                         |
|---------------------------------------|-------------------------------|-------------|-----------------|---------------|---------|------------------------------------------------|
| Trimethoxy(methyl)silane 1185-55-3    | LC50                          | > 42,1 mg/l | vapour          | 6 h           | rat     | OECD Guideline 403 (Acute Inhalation Toxicity) |
| Hexamethyldisiloxane 107-46-0         | LC50                          | 106 mg/l    | dust/mist       | 4 h           | rat     | OECD Guideline 403 (Acute Inhalation Toxicity) |
| Hexamethyldisilazane 999-97-3         | Acute toxicity estimate (ATE) | 10,1 mg/l   | vapour          |               |         | Expert judgement                               |
| Octamethylcyclotetrasiloxane 556-67-2 | LC50                          | 36 mg/l     | dust/mist       | 4 h           | rat     | OECD Guideline 403 (Acute Inhalation Toxicity) |

**Skin corrosion/irritation:**

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

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

| Hazardous substances CAS-No.              | Result         | Exposure time | Species | Method                                                                            |
|-------------------------------------------|----------------|---------------|---------|-----------------------------------------------------------------------------------|
| Trimethoxy(methyl)silane 1185-55-3        | not irritating | 4 h           | rabbit  | OECD Guideline 404 (Acute Dermal Irritation / Corrosion)                          |
| 3-(Trimethoxysilyl)propylamine 13822-56-5 | irritating     | 4 h           | rabbit  | OECD Guideline 404 (Acute Dermal Irritation / Corrosion)                          |
| Hexamethyldisiloxane 107-46-0             | not irritating | 4 h           | rabbit  | equivalent or similar to OECD Guideline 404 (Acute Dermal Irritation / Corrosion) |
| Octamethylcyclotetrasiloxane 556-67-2     | not irritating |               | rabbit  | equivalent or similar to OECD Guideline 404 (Acute Dermal Irritation / Corrosion) |

**Serious eye damage/irritation:**

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

| Hazardous substances<br>CAS-No.                      | Result         | Exposure<br>time | Species | Method                                                                         |
|------------------------------------------------------|----------------|------------------|---------|--------------------------------------------------------------------------------|
| Trimethoxy(methyl)silane<br>1185-55-3                | not irritating | 24 h             | rabbit  | OECD Guideline 405 (Acute Eye Irritation / Corrosion)                          |
| 3-<br>(Trimethoxysilyl)propyla<br>mine<br>13822-56-5 | corrosive      |                  | rabbit  | equivalent or similar to OECD Guideline 405 (Acute Eye Irritation / Corrosion) |
| Hexamethyldisiloxane<br>107-46-0                     | not irritating |                  | rabbit  | equivalent or similar to OECD Guideline 405 (Acute Eye Irritation / Corrosion) |
| Octamethylcyclotetrasilox<br>ane<br>556-67-2         | not irritating |                  | rabbit  | equivalent or similar to OECD Guideline 405 (Acute Eye Irritation / Corrosion) |

**Respiratory or skin sensitization:**

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

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

| Hazardous substances<br>CAS-No.                      | Result          | Test type                       | Species    | Method                                  |
|------------------------------------------------------|-----------------|---------------------------------|------------|-----------------------------------------|
| Trimethoxy(methyl)silane<br>1185-55-3                | not sensitising | Buehler test                    | guinea pig | OECD Guideline 406 (Skin Sensitisation) |
| 3-<br>(Trimethoxysilyl)propyla<br>mine<br>13822-56-5 | not sensitising | Guinea pig maximisation<br>test | guinea pig | OECD Guideline 406 (Skin Sensitisation) |
| Hexamethyldisiloxane<br>107-46-0                     | not sensitising |                                 | human      | Patch Test                              |
| Octamethylcyclotetrasilox<br>ane<br>556-67-2         | not sensitising | Guinea pig maximisation<br>test | guinea pig | OECD Guideline 406 (Skin Sensitisation) |

**Germ cell mutagenicity:**

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

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

| Hazardous substances<br>CAS-No.          | Result   | Type of study /<br>Route of<br>administration          | Metabolic<br>activation /<br>Exposure time | Species | Method                                                                                                  |
|------------------------------------------|----------|--------------------------------------------------------|--------------------------------------------|---------|---------------------------------------------------------------------------------------------------------|
| Trimethoxy(methyl)silane<br>1185-55-3    | negative | bacterial reverse<br>mutation assay (e.g<br>Ames test) | with and without                           |         | OECD Guideline 471<br>(Bacterial Reverse Mutation<br>Assay)                                             |
| Hexamethyldisiloxane<br>107-46-0         | negative | bacterial reverse<br>mutation assay (e.g<br>Ames test) | with and without                           |         | equivalent or similar to OECD<br>Guideline 471 (Bacterial<br>Reverse Mutation Assay)                    |
| Hexamethyldisiloxane<br>107-46-0         | negative | in vitro mammalian<br>chromosome<br>aberration test    | with and without                           |         | equivalent or similar to OECD<br>Guideline 473 (In vitro<br>Mammalian Chromosome<br>Aberration Test)    |
| Hexamethyldisiloxane<br>107-46-0         | negative | mammalian cell<br>gene mutation assay                  | with and without                           |         | equivalent or similar to OECD<br>Guideline 476 (In vitro<br>Mammalian Cell Gene<br>Mutation Test)       |
| Hexamethyldisilazane<br>999-97-3         | negative | bacterial reverse<br>mutation assay (e.g<br>Ames test) | with and without                           |         | OECD Guideline 471<br>(Bacterial Reverse Mutation<br>Assay)                                             |
| Hexamethyldisilazane<br>999-97-3         | negative | mammalian cell<br>gene mutation assay                  | with and without                           |         | OECD Guideline 476 (In vitro<br>Mammalian Cell Gene<br>Mutation Test)                                   |
| Octamethylcyclotetrasiloxane<br>556-67-2 | negative | bacterial gene<br>mutation assay                       | with and without                           |         | OECD Guideline 471<br>(Bacterial Reverse Mutation<br>Assay)                                             |
| Octamethylcyclotetrasiloxane<br>556-67-2 | negative | in vitro mammalian<br>chromosome<br>aberration test    | with and without                           |         | equivalent or similar to OECD<br>Guideline 473 (In vitro<br>Mammalian Chromosome<br>Aberration Test)    |
| Octamethylcyclotetrasiloxane<br>556-67-2 | negative | mammalian cell<br>gene mutation assay                  | with and without                           |         | equivalent or similar to OECD<br>Guideline 476 (In vitro<br>Mammalian Cell Gene<br>Mutation Test)       |
| Hexamethyldisiloxane<br>107-46-0         | negative | intraperitoneal                                        |                                            | rat     | equivalent or similar to OECD<br>Guideline 475 (Mammalian<br>Bone Marrow Chromosome<br>Aberration Test) |
| Octamethylcyclotetrasiloxane<br>556-67-2 | negative | inhalation                                             |                                            | rat     | equivalent or similar to OECD<br>Guideline 475 (Mammalian<br>Bone Marrow Chromosome<br>Aberration Test) |
| Octamethylcyclotetrasiloxane<br>556-67-2 | negative | oral: gavage                                           |                                            | rat     | equivalent or similar to OECD<br>Guideline 478 (Genetic<br>Toxicology: Rodent Dominant<br>Lethal Test)  |

**Carcinogenicity**

No data available.

**Reproductive toxicity:**

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

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

| Hazardous substances<br>CAS-No.               | Result / Value                      | Test type                   | Route of<br>application | Species | Method                                                                                             |
|-----------------------------------------------|-------------------------------------|-----------------------------|-------------------------|---------|----------------------------------------------------------------------------------------------------|
| Hexamethyldisiloxane<br>107-46-0              | NOAEL P $\geq$ 5000 ppm             | two-<br>generation<br>study | inhalation:<br>vapour   | rat     | OECD Guideline 416 (Two-<br>Generation Reproduction<br>Toxicity Study)                             |
| Octamethylcyclotetrasilox-<br>ane<br>556-67-2 | NOAEL P 300 ppm<br>NOAEL F1 300 ppm | two-<br>generation<br>study | inhalation              | rat     | equivalent or similar to<br>OECD Guideline 416 (Two-<br>Generation Reproduction<br>Toxicity Study) |

**STOT-single exposure:**

No data available.

**STOT-repeated exposure:**

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

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

| Hazardous substances<br>CAS-No.               | Result / Value  | Route of<br>application | Exposure time /<br>Frequency of<br>treatment               | Species | Method                                                                                                   |
|-----------------------------------------------|-----------------|-------------------------|------------------------------------------------------------|---------|----------------------------------------------------------------------------------------------------------|
| Hexamethyldisiloxane<br>107-46-0              | NOAEL 160 mg/kg | oral: gavage            | 28 d<br>once daily (7d/w)                                  | rat     | OECD Guideline 407<br>(Repeated Dose 28-Day<br>Oral Toxicity in Rodents)                                 |
| Octamethylcyclotetrasilox-<br>ane<br>556-67-2 | LOAEL 35 ppm    | inhalation              | 6 h nose only<br>inhalation<br>5 days/week for 13<br>weeks | rat     | OECD Guideline 412<br>(Repeated Dose<br>Inhalation Toxicity:<br>28/14-Day)                               |
| Octamethylcyclotetrasilox-<br>ane<br>556-67-2 | NOAEL 960 mg/kg | dermal                  | 3 w<br>5 d/w                                               | rabbit  | equivalent or similar to<br>OECD Guideline 410<br>(Repeated Dose Dermal<br>Toxicity: 21/28-Day<br>Study) |

**Aspiration hazard:**

No data available.

**11.2 Information on other hazards****11.2.1 Endocrine disrupting properties**

For the following ingredient(s) information on adverse health effects caused by endocrine disrupting properties is publicly available on the ECHA website:

Substances identified as ED according to EU REACH SVHC list: <https://echa.europa.eu/candidate-list-table>

| Hazardous components         | CAS No.  | Link ECHA website |
|------------------------------|----------|-------------------|
| Octamethylcyclotetrasiloxane | 556-67-2 |                   |

**SECTION 12: Ecological information****General ecological information:**

Do not empty into drains / surface water / ground water.

**12.1. Toxicity****Toxicity (Fish):**

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

The table below presents the data of the classified substances present in the mixture.

| Hazardous substances CAS-No.              | Value type | Value                       | Exposure time | Species                                         | Method                                                   |
|-------------------------------------------|------------|-----------------------------|---------------|-------------------------------------------------|----------------------------------------------------------|
| Trimethoxy(methyl)silane 1185-55-3        | LC50       | > 746 mg/l                  | 96 h          | Brachydanio rerio (new name: Danio rerio)       | OECD Guideline 203 (Fish, Acute Toxicity Test)           |
| 3-(Trimethoxysilyl)propylamine 13822-56-5 | LC50       | > 934 mg/l                  | 96 h          | Brachydanio rerio (new name: Danio rerio)       | OECD Guideline 203 (Fish, Acute Toxicity Test)           |
| Hexamethyldisiloxane 107-46-0             | LC50       | 0,46 mg/l                   | 96 h          | Oncorhynchus mykiss                             | OECD Guideline 203 (Fish, Acute Toxicity Test)           |
| Hexamethyldisiloxane 107-46-0             | NOEC       | > 0,027 mg/l                | 90 d          | Oncorhynchus mykiss                             | OECD Guideline 210 (fish early life stage toxicity test) |
| Hexamethyldisilazane 999-97-3             | LC50       | 88 mg/l                     | 96 h          | Brachydanio rerio (new name: Danio rerio)       | OECD Guideline 203 (Fish, Acute Toxicity Test)           |
| Octamethylcyclotetrasiloxane 556-67-2     | NOEC       | 0,0044 mg/l                 | 93 d          | Salmo gairdneri (new name: Oncorhynchus mykiss) | EPA OPPTS 797.1600 (Fish Early Life Stage Toxicity Test) |
| Octamethylcyclotetrasiloxane 556-67-2     | LC50       | Toxicity > Water solubility | 96 h          | Oncorhynchus mykiss                             | EPA OTS 797.1400 (Fish Acute Toxicity Test)              |

**Toxicity (aquatic invertebrates):**

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

The table below presents the data of the classified substances present in the mixture.

| Hazardous substances CAS-No.              | Value type | Value                       | Exposure time | Species       | Method                                                                           |
|-------------------------------------------|------------|-----------------------------|---------------|---------------|----------------------------------------------------------------------------------|
| Trimethoxy(methyl)silane 1185-55-3        | EC50       | > 816 mg/l                  | 48 h          | Daphnia magna | OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)                       |
| 3-(Trimethoxysilyl)propylamine 13822-56-5 | EC50       | 331 mg/l                    | 48 h          | Daphnia magna | OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)                       |
| Hexamethyldisilazane 999-97-3             | EC50       | 80 mg/l                     | 48 h          | Daphnia magna | OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)                       |
| Octamethylcyclotetrasiloxane 556-67-2     | EC50       | Toxicity > Water solubility | 48 h          | Daphnia magna | EPA OTS 797.1300 (Aquatic Invertebrate Acute Toxicity Test, Freshwater Daphnids) |

**Chronic toxicity (aquatic invertebrates):**

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

The table below presents the data of the classified substances present in the mixture.

| Hazardous substances CAS-No.          | Value type | Value     | Exposure time | Species       | Method                                           |
|---------------------------------------|------------|-----------|---------------|---------------|--------------------------------------------------|
| Hexamethyldisiloxane 107-46-0         | NOEC       | 0,08 mg/l | 21 d          | Daphnia magna | OECD 211 (Daphnia magna, Reproduction Test)      |
| Octamethylcyclotetrasiloxane 556-67-2 | NOEC       | 7.9 µg/l  | 21 d          | Daphnia magna | EPA OTS 797.1330 (Daphnid Chronic Toxicity Test) |

**Toxicity (Algae):**

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

The table below presents the data of the classified substances present in the mixture.

| Hazardous substances CAS-No.              | Value type | Value                       | Exposure time | Species                                                               | Method                                            |
|-------------------------------------------|------------|-----------------------------|---------------|-----------------------------------------------------------------------|---------------------------------------------------|
| Trimethoxy(methyl)silane 1185-55-3        | EC50       | > 913 mg/l                  | 72 h          | Scenedesmus subspicatus (new name: Desmodesmus subspicatus)           | OECD Guideline 201 (Algal Growth Inhibition Test) |
| Trimethoxy(methyl)silane 1185-55-3        | NOEC       | > 913 mg/l                  | 72 h          | Scenedesmus subspicatus (new name: Desmodesmus subspicatus)           | OECD Guideline 201 (Algal Growth Inhibition Test) |
| 3-(Trimethoxysilyl)propylamine 13822-56-5 | EC50       | > 1.000 mg/l                | 72 h          | Desmodesmus subspicatus                                               | EU Method C.3 (Algal Inhibition test)             |
| 3-(Trimethoxysilyl)propylamine 13822-56-5 | NOEC       | 1,3 mg/l                    | 72 h          | Desmodesmus subspicatus                                               | EU Method C.3 (Algal Inhibition test)             |
| Hexamethyldisiloxane 107-46-0             | EC50       | Toxicity > Water solubility | 70 h          | Pseudokirchneriella subcapitata                                       | OECD Guideline 201 (Algal Growth Inhibition Test) |
| Hexamethyldisiloxane 107-46-0             | EC10       | 0,09 mg/l                   | 70 h          | Pseudokirchneriella subcapitata                                       | OECD Guideline 201 (Algal Growth Inhibition Test) |
| Hexamethyldisilazane 999-97-3             | EC10       | 7,5 mg/l                    | 72 h          | Scenedesmus subspicatus (new name: Desmodesmus subspicatus)           | EU Method C.3 (Algal Inhibition test)             |
| Hexamethyldisilazane 999-97-3             | EC50       | 50 mg/l                     | 72 h          | Scenedesmus subspicatus (new name: Desmodesmus subspicatus)           | EU Method C.3 (Algal Inhibition test)             |
| Octamethylcyclotetrasiloxane 556-67-2     | EC50       | Toxicity > Water solubility | 96 h          | Selenastrum capricornutum (new name: Pseudokirchneriella subcapitata) | EPA OTS 797.1050 (Algal Toxicity, Tiers I and II) |
| Octamethylcyclotetrasiloxane 556-67-2     | EC10       | 0,022 mg/l                  | 96 h          | Selenastrum capricornutum (new name: Pseudokirchneriella subcapitata) | EPA OTS 797.1050 (Algal Toxicity, Tiers I and II) |

**Toxicity (microorganisms):**

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

The table below presents the data of the classified substances present in the mixture.

| Hazardous substances CAS-No.          | Value type | Value                       | Exposure time | Species                    | Method                                                                   |
|---------------------------------------|------------|-----------------------------|---------------|----------------------------|--------------------------------------------------------------------------|
| Hexamethyldisiloxane 107-46-0         | EC50       | Toxicity > Water solubility | 3 h           | activated sludge, domestic | OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test)       |
| Octamethylcyclotetrasiloxane 556-67-2 | EC50       | Toxicity > Water solubility | 3 h           | activated sludge           | ISO 8192 (Test for Inhibition of Oxygen Consumption by Activated Sludge) |

**12.2. Persistence and degradability**

The table below presents the data of the classified substances present in the mixture.

| Hazardous substances<br>CAS-No.              | Result                     | Test type | Degradability | Exposure<br>time | Method                                                                                         |
|----------------------------------------------|----------------------------|-----------|---------------|------------------|------------------------------------------------------------------------------------------------|
| Trimethoxy(methyl)silane<br>1185-55-3        | not readily biodegradable. | aerobic   | 54 %          |                  | OECD Guideline 301 A (new version) (Ready Biodegradability: DOC Die Away Test)                 |
| 3-(Trimethoxysilyl)propylamine<br>13822-56-5 | readily biodegradable      | aerobic   | 80,2 %        | 28 d             | OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test)                              |
| Hexamethyldisiloxane<br>107-46-0             | not readily biodegradable. | aerobic   | 2 %           | 28 d             | OECD Guideline 301 C (Ready Biodegradability: Modified MITI Test (I))                          |
| Hexamethyldisilazane<br>999-97-3             | not readily biodegradable. | no data   | 15,3 %        | 28 d             | OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test)                              |
| Octamethylcyclotetrasiloxane<br>556-67-2     | not readily biodegradable. | aerobic   | 3,7 %         | 29 d             | OECD Guideline 310 (Ready Biodegradability CO <sub>2</sub> in Sealed Vessels (Headspace Test)) |

### 12.3. Bioaccumulative potential

The table below presents the data of the classified substances present in the mixture.

| Hazardous substances<br>CAS-No.          | Bioconcentration<br>factor (BCF) | Exposure time | Temperature | Species             | Method                                                                                  |
|------------------------------------------|----------------------------------|---------------|-------------|---------------------|-----------------------------------------------------------------------------------------|
| Hexamethyldisiloxane<br>107-46-0         | 776 - 2.410                      | 70 d          |             | Cyprinus carpio     | OECD Guideline 305 C (Bioaccumulation: Test for the Degree of Bioconcentration in Fish) |
| Octamethylcyclotetrasiloxane<br>556-67-2 | 12.400                           | 28 d          |             | Pimephales promelas | EPA OTS 797.1520 (Fish Bioconcentration Test-Rainbow Trout)                             |

### 12.4. Mobility in soil

The table below presents the data of the classified substances present in the mixture.

| Hazardous substances<br>CAS-No.              | LogPow | Temperature | Method                                              |
|----------------------------------------------|--------|-------------|-----------------------------------------------------|
| 3-(Trimethoxysilyl)propylamine<br>13822-56-5 | -1,3   | 20 °C       | QSAR (Quantitative Structure Activity Relationship) |
| Hexamethyldisiloxane<br>107-46-0             | 5,06   | 20 °C       | other guideline:                                    |
| Octamethylcyclotetrasiloxane<br>556-67-2     | 6,98   | 21,7 °C     | other guideline:                                    |

### 12.5. Results of PBT and vPvB assessment

The table below presents the data of the classified substances present in the mixture.

| Hazardous substances<br>CAS-No.          | PBT / vPvB              |
|------------------------------------------|-------------------------|
| Octamethylcyclotetrasiloxane<br>556-67-2 | Fulfilling PBT criteria |

### 12.6. Endocrine disrupting properties

For the following ingredient(s) information on adverse health effects caused by endocrine disrupting properties is publicly available on the ECHA website:

Substances identified as ED according to EU REACH SVHC list: <https://echa.europa.eu/candidate-list-table>

| Hazardous components | CAS No. | Link ECHA website |
|----------------------|---------|-------------------|
|----------------------|---------|-------------------|

|                              |          |  |
|------------------------------|----------|--|
| Octamethylcyclotetrasiloxane | 556-67-2 |  |
|------------------------------|----------|--|

#### 12.7. Other adverse effects

No data available.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Product disposal:

Do not empty into drains / surface water / ground water.

Dispose of in accordance with local and national regulations.

Disposal of uncleaned packages:

After use, tubes, cartons and bottles containing residual product should be disposed of as chemically contaminated waste in an authorised legal land fill site or incinerated.

Waste code

08 04 09\* waste adhesives and sealants containing organic solvents and other dangerous substances

The valid EWC waste code numbers are source-related. The manufacturer is therefore unable to specify EWC waste codes for the articles or products used in the various sectors. The EWC codes listed are intended as a recommendation for users. We will be happy to advise you.

### SECTION 14: Transport information

#### 14.1. UN number or ID number

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.

#### 14.2. UN proper shipping name

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.

#### 14.3. Transport hazard class(es)

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.

#### 14.4. Packing group

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.

#### 14.5. Environmental hazards

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.

#### 14.6. Special precautions for user

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.

#### 14.7. Maritime transport in bulk according to IMO instruments

not applicable

## SECTION 15: Regulatory information

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

|                                                                |                |
|----------------------------------------------------------------|----------------|
| Ozone Depleting Substance (ODS) (Regulation (EC) No 2024/590): | Not applicable |
| Prior Informed Consent (PIC) (Regulation (EU) No 649/2012):    | Not applicable |
| Persistent organic pollutants (Regulation (EU) 2019/1021):     | Not applicable |

VOC content < 5,00 %  
(2010/75/EC)

### 15.2. Chemical safety assessment

A chemical safety assessment has not been carried out.

## SECTION 16: Other information

The labelling of the product is indicated in Section 2. The full text of all abbreviations indicated by codes in this safety data sheet are as follows:

EUH440 Accumulates in the environment and living organisms including in humans  
EUH441 Strongly accumulates in the environment and living organisms including in humans  
H225 Highly flammable liquid and vapour.  
H226 Flammable liquid and vapour.  
H302 Harmful if swallowed.  
H311 Toxic in contact with skin.  
H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H332 Harmful if inhaled.  
H361f Suspected of damaging fertility.  
H400 Very toxic to aquatic life.  
H410 Very toxic to aquatic life with long lasting effects.  
H411 Toxic to aquatic life with long lasting effects.  
H412 Harmful to aquatic life with long lasting effects.

Abbreviations and acronyms:

ADG(-Code): Australian Dangerous Goods (Code)  
ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
ADR : European Agreement concerning the International Carriage of Dangerous Goods by Road  
ASTM: American Society for Testing and Materials  
ATE: acute toxicity estimate  
AS: Australian Standard  
AwSV: Ordinance on Installations for the Handling of Substances Hazardous to Water  
CAS: Chemical Abstract Service  
CLP: Regulation (EC) No 1272/2008  
CMR: cancerogenic, mutagenic or reprotoxic  
DIN: German Institute for Standardization  
ECx: Effective concentration (x% effective level)  
ECHA: European Chemicals Agency  
EC-Nummer: Substance number in the EU-inventories EINECS/ELINCS  
ECTLV: European community threshold limit value  
ED: Substance identified as having endocrine disrupting properties  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
EN : European Standard  
ENCS: Japanese chemical inventory  
EPA: US Environmental Protection Agency  
EU: European Union  
EU EXPLD1: Substance listed in Annex I, Reg (EC) No. 2019/1148  
EU EXPLD2: Substance listed in Annex II, Reg (EC) No. 2019/1148  
EWC: European Waste Catalogue  
GHS: Globally Harmonised System for Classification and Labelling of Chemicals  
GLP: Good Laboratory Practice  
HSNO: Hazardous Substances and New Organisms  
IARC: International Agency for Research of Cancer  
IATA: International Air Transport Association  
IBC-Code: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk  
IC50: half maximal inhibitory concentration  
ICAO: International Civil Aviation Organization  
IMDG-Code: International Maritime Code for Dangerous Goods  
IMO: International Maritime Organization  
ISO: International Standardization Organisation  
LC50: Median lethal concentration  
LD50: Median lethal dose  
MARPOL: International Convention for the Prevention of Marine Pollution from Ships  
n.o.s.: not otherwise specified  
NO(A)EC: No (adverse) effect concentration  
NO(A)EL: No (adverse) effect level  
NZS: New Zealand Standard  
OECD: Organisation for Economic Co-operation and Development

OEL: Occupational Exposure Limit  
OPPT: US EPA Office of Pollution Prevention and Toxics  
OPPTS: US EPA Office of Prevention, Pesticides and Toxic Substances  
PBT: Persistent, bioaccumulative, toxic  
(Q)SAR: (Quantitative) structure–activity relationship  
REACH: Regulation (EC) No. 1907/2006  
RID: Regulations concerning the International Transport of Dangerous Goods by Rail  
SADT: Self Accelerating Decomposition Temperature  
SDS: Safety Data Sheet  
STOT: Specific Target Organ Toxicity  
STOT SE: Specific Target Organ Toxicity - single exposure  
STOT RE: Specific Target Organ Toxicity - repeated exposure  
SUSMP: Standard for the Uniform Scheduling of Medicines and Poisons  
SVHC: Substance of very high concern (REACH Candidate List)  
TRGS: German Technical Rules for hazardous substances  
UN: United Nations  
VOC: Volatile Organic Compound  
814.018 VOC Reg CH: Swiss Ordinance 814.018 on the Incentive Tax on Volatile Organic Compounds  
vPvB: Very persistent, very bioaccumulative  
VwVwS: Administrative Regulation on Substances Hazardous to Waters  
WGK: Water hazard class

**Further information:**

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