



# SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of: Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

**EVO-STIK LEAD AND GUTTER SILICONE SEALANT GREY**  
Supersedes Date: 24-May-2022

Revision date 22-Feb-2023  
Revision Number 1.01

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

### 1.1. Product identifier

Product Name EVO-STIK LEAD AND GUTTER SILICONE SEALANT GREY

### Other means of identification

Pure substance/mixture Mixture

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

Recommended use Sealant

Uses advised against None known

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

#### Company Name

Bostik Industries Limited  
Newtown, Swords  
Co. Dublin Ireland  
Tel: +353 (1) 8624900  
Fax: +353 (1) 8402186

E-mail address SDS.box-EU@bostik.com

### 1.4. Emergency telephone number

Ireland **NPIC - National Poison Information Centre**  
Members of the Public: +353 (01) 8092166 (8.00 am to 10.00 pm - 7 days a week)  
Healthcare Professionals: +353 (01) 8092566 (24 hour service)  
United Kingdom Bostik: +44 (1785) 272650 (9am to 5pm Mon-Fri)  
Europe 112

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

|                          |                     |
|--------------------------|---------------------|
| Chronic aquatic toxicity | Category 3 - (H412) |
|--------------------------|---------------------|

### 2.2. Label elements

#### Hazard statements

H412 - Harmful to aquatic life with long lasting effects

#### EU Specific Hazard Statements

EUH208 - Contains Trimethoxyvinylsilane & 2-octyl-2H-isothiazol-3-one [OIT]. May produce an allergic reaction

#### Precautionary Statements - EU (§28, 1272/2008)

P101 - If medical advice is needed, have product container or label at hand  
P102 - Keep out of reach of children  
P273 - Avoid release to the environment  
P501 - Dispose of contents/ container to an approved waste disposal plant

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## 2.3. Other hazards

Small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released upon curing. Small amounts of ethanol (CAS 64-17-5) are formed by hydrolysis and released upon curing. Harmful to aquatic life.

## PBT & vPvB

This mixture contains substances considered to be persistent, bio-accumulating and toxic (PBT). This mixture contains substances considered to be very persistent and very bioaccumulating (vPvB).

**Endocrine Disruptor Information** This product does not contain any known or suspected endocrine disruptors.

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

Not applicable

### 3.2 Mixtures

| Chemical name  | EC No (EU Index No).        | CAS No.     | Classification according to Regulation (EC) No. 1272/2008 [CLP]   | Specific concentration limit (SCL)               | M-Factor | M-Factor (long-term) | REACH registration number |
|--|-----------------------------|-------------|---|--|----------|----------------------|---------------------------|
| Hydrocarbons, C13-C23, n-alkanes, isoalkanes, cyclics, < 0.03% aromatics<br>10 - <20 % | 932-078-5                   | RR-100254-6 | Asp. Tox. 1 (H304)  | -  | -        | -                    | 01-2119552497-29-xxxx     |
| Silica, amorphous<br>5 - <10 %   | 231-545-4                   | 7631-86-9   | [B]   | -  | -        | -                    | 01-2119379499-16-XXXX     |
| Trimethoxyvinylsilane<br>1 - <3 %  | (014-049-00-0)<br>220-449-8 | 2768-02-7   | Skin Sens. 1B (H317)<br>Acute Tox. 4 (H332)<br>Flam. Liq. 3 (H226)  | -  | -        | -                    | 01-2119513215-52-XXXX     |
| Titanium dioxide<br>0.1 - <1 %   | (022-006-00-2)<br>236-675-5 | 13463-67-7  | [C]   | -  | -        | -                    | 01-2119489379-17-XXXX     |
| Methyl alcohol<br>0.1 - <0.3 %   | (603-001-00-X)<br>200-659-6 | 67-56-1     | Acute Tox. 3 (H301)<br>Acute Tox. 3 (H311)<br>Acute Tox. 3 (H331)<br>STOT SE 1 (H370)<br>Flam. Liq. 2 (H225)  | STOT SE 1 :: C>=10%<br>STOT SE 2 ::<br>3%<=C<10% | -        | -                    | 01-2119433307-44-XXXX     |
| Diocetyl tin oxide<br>0.1 - <0.3 %   | 212-791-1                   | 870-08-6    | STOT SE 2 (H371)  | -  | -        | -                    | 01-2119971268-27-xxxx     |
| Octamethylcyclotetrasiloxane [D4]<br>0.01 - <0.1 %                                     | (014-018-00-1)<br>209-136-7 | 556-67-2    | Repr. 2 (H361f)<br>Aquatic Chronic 1 (H410)<br>Flam. Liq. 3 (H226)<br>[G]   | -  | -        | 10                   | 01-2119529238-36-XXXX     |
| 2-octyl-2H-isothiazol-3-one [OIT]<br>0.0025 - <0.01 %                                  | (613-112-00-5)<br>247-761-7 | 26530-20-1  | Acute Tox. 3 (H301)<br>Acute Tox. 3 (H311)<br>Acute Tox. 2 (H330)<br>Skin Corr. 1B (H314)<br>Eye Dam 1 (H318)<br>Skin Sens. 1A (H317)<br>Aquatic Acute 1 (H400)<br>Aquatic Chronic 1 (H410) | Skin Sens. 1A ::<br>C>=0.0015%                   | 100      | 100                  | -                         |

### Air contaminants formed when using the substance or mixture as intended

| Chemical name | EC No (EU Index No) | Weight-% | Classification according to Regulation (EC) No. | Specific concentration limit (SCL) | M-Factor | M-Factor (long-term) | REACH registration number |
|---------------|---------------------|----------|---|------------------------------------|----------|----------------------|---------------------------|
|---------------|---------------------|----------|---|------------------------------------|----------|----------------------|---------------------------|

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|                           |                             | 1272/2008 [CLP] |  |   |   |   |                           |
|---------------------------|-----------------------------|-----------------|--|---|---|---|---------------------------|
| Methyl alcohol<br>67-56-1 | (603-001-00-X)<br>200-659-6 | 1 - <2.5        | Acute Tox. 3 (H301)<br>Acute Tox. 3 (H311)<br>Acute Tox. 3 (H331)<br>STOT SE 1 (H370)<br>Flam. Liq. 2 (H225) | STOT SE 1 ::<br>C <sub>2</sub> ≥10%<br>STOT SE 2 ::<br>3%≤C<10% | - | - | 01-211943330<br>7-44-XXXX |

Full text of H- and EUH-phrases: see section 16

Classification according to Regulation (EC) No. 1272/2008 [CLP] - Notes

[B] - Substance with a Community workplace exposure limit

[C] - Components with occupational exposure limits and/or biological occupational exposure limits requiring monitoring

[G] - This substance meets the PBT criteria of REACH, annex XIII

This substance meets the vPvB criteria of REACH, annex XIII

## Acute Toxicity Estimate

If LD50/LC50 data is not available or does not correspond to the classification category, then the appropriate conversion value from CLP Annex I, Table 3.1.2, is used to calculate the acute toxicity estimate (ATE<sub>mix</sub>) for classifying a mixture based on its components

| Chemical name  | EC No (EU Index No)         | CAS No      | Oral LD50 mg/kg  | Dermal LD50 mg/kg | Inhalation LC50 - 4 hour - dust/mist - mg/L | Inhalation LC50 - 4 hour - vapour - mg/L | Inhalation LC50 - 4 hour - gas - ppm |
|--|-----------------------------|-------------|------------------|-------------------|---|--|--------------------------------------|
| Hydrocarbons, C13-C23, n-alkanes, isoalkanes, cyclics, < 0.03% aromatics | 932-078-5                   | RR-100254-6 | -                | -                 | -   | -  | -                                    |
| Silica, amorphous  | 231-545-4                   | 7631-86-9   | -                | -                 | -   | -  | -                                    |
| Trimethoxyvinylsilane  | (014-049-00-0)<br>220-449-8 | 2768-02-7   | -                | -                 | -   | 11                                       | -                                    |
| Titanium dioxide   | (022-006-00-2)<br>236-675-5 | 13463-67-7  | -                | -                 | -   | -  | -                                    |
| Methyl alcohol   | (603-001-00-X)<br>200-659-6 | 67-56-1     | 100              | 300               | -   | 3  | -                                    |
| Diocetyl tin oxide   | 212-791-1                   | 870-08-6    | -                | -                 | -   | -  | -                                    |
| Octamethylcyclotetrasiloxane [D4]  | (014-018-00-1)<br>209-136-7 | 556-67-2    | -                | -                 | -   | -  | -                                    |
| 2-octyl-2H-isothiazol-3-one [OIT]  | (613-112-00-5)<br>247-761-7 | 26530-20-1  | 125 <sup>+</sup> | 311 <sup>+</sup>  | 0.27 <sup>+</sup>                           | 0.27 <sup>+</sup>                        | 0.27 <sup>+</sup>                    |

This product does not contain candidate substances of very high concern at a concentration  $\geq 0.1\%$  (Regulation (EC) No. 1907/2006 (REACH), Article 59)

## Notes

See section 16 for more information

| Chemical name                 | Notes  |
|-------------------------------|--------|
| Titanium dioxide - 13463-67-7 | V,W,10 |

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General advice

Show this safety data sheet to the doctor in attendance. If medical advice is needed, have product container or label at hand.

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|                     |  |
|---------------------|--|
| <b>Inhalation</b>   | Remove to fresh air. If symptoms persist, call a doctor.   |
| <b>Eye contact</b>  | Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Consult an ophthalmologist. |
| <b>Skin contact</b> | Wash skin with soap and water. In the case of skin irritation or allergic reactions see a doctor.  |
| <b>Ingestion</b>    | Never give anything by mouth to an unconscious person. Rinse mouth thoroughly with water. Drink 1 or 2 glasses of water. Do NOT induce vomiting.                     |

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

**Symptoms** None known.

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

**Note to doctors** Small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released, when the product is exposed to moisture or water. Treat symptomatically.

## **SECTION 5: Firefighting measures**

### 5.1. Extinguishing media

**Suitable Extinguishing Media** Water spray, carbon dioxide (CO<sub>2</sub>), dry chemical, alcohol-resistant foam.

**Unsuitable extinguishing media** Full water jet.

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

**Specific hazards arising from the chemical** Thermal decomposition can lead to release of irritating gases and vapours.

**Hazardous combustion products** Carbon oxides. Carbon monoxide. Carbon dioxide (CO<sub>2</sub>). Nitrogen oxides (NO<sub>x</sub>). Silicon dioxide. Thermal decomposition can lead to release of irritating and toxic gases and vapours.

### 5.3. Advice for firefighters

**Special protective equipment and precautions for fire-fighters** Wear self contained breathing apparatus for fire fighting if necessary.

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

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

**Personal precautions** Do not get in eyes, on skin, or on clothing. Use personal protective equipment as required. Ensure adequate ventilation.

**For emergency responders** Use personal protection recommended in Section 8.

### 6.2. Environmental precautions

**Environmental precautions** Prevent product from entering drains. Do not allow to enter into soil/subsoil. See Section 12 for additional Ecological Information.

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

**Methods for containment** Do not scatter spilled material with high pressure water streams.

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**Methods for cleaning up** Take up mechanically, placing in appropriate containers for disposal.  
**Prevention of secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

## 6.4. Reference to other sections

**Reference to other sections** See section 8 for more information. See section 13 for more information.

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

### 7.1. Precautions for safe handling

**Advice on safe handling** Ensure adequate ventilation.  
**General hygiene considerations** Do not eat, drink or smoke when using this product. Wash hands before breaks and after work. Take off all contaminated clothing and wash it before reuse.

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

**Storage Conditions** Protect from moisture. Keep away from food, drink and animal feedingstuffs.  
**Recommended storage temperature** Keep at temperatures between 10 and 35 °C.

### 7.3. Specific end use(s)

**Specific use(s)**  
Sealant.

**Risk Management Methods (RMM)** The information required is contained in this Safety Data Sheet.

**Other information** Observe technical data sheet.

## **SECTION 8: Exposure controls/personal protection**

### 8.1. Control parameters

**Exposure Limits** Small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released upon curing Small amounts of ethanol (CAS 64-17-5) are formed by hydrolysis and released upon curing This product contains titanium dioxide in a non-respirable form. Inhalation of titanium dioxide is unlikely to occur from exposure to this product

| Chemical name                  | European Union                                  | Ireland   | United Kingdom   |
|--------------------------------|---|---|--|
| Silica, amorphous<br>7631-86-9 | TWA: 0.1 mg/m <sup>3</sup>                      | TWA: 6 mg/m <sup>3</sup><br>TWA: 2.4 mg/m <sup>3</sup><br>STEL: 18 mg/m <sup>3</sup><br>STEL: 7.2 mg/m <sup>3</sup> | TWA: 6 mg/m <sup>3</sup><br>TWA: 2.4 mg/m <sup>3</sup><br>TWA: 0.1 mg/m <sup>3</sup><br>STEL: 18 mg/m <sup>3</sup><br>STEL: 7.2 mg/m <sup>3</sup><br>STEL: 0.3 mg/m <sup>3</sup> |
| Titanium dioxide<br>13463-67-7 | -   | TWA: 10 mg/m <sup>3</sup><br>TWA: 4 mg/m <sup>3</sup><br>STEL: 30 mg/m <sup>3</sup><br>STEL: 12 mg/m <sup>3</sup>   | TWA: 10 mg/m <sup>3</sup><br>TWA: 4 mg/m <sup>3</sup><br>STEL: 30 mg/m <sup>3</sup><br>STEL: 12 mg/m <sup>3</sup>  |
| Methyl alcohol<br>67-56-1      | TWA: 200 ppm<br>TWA: 260 mg/m <sup>3</sup><br>* | TWA: 200 ppm<br>TWA: 260 mg/m <sup>3</sup><br>STEL: 600 ppm<br>STEL: 780 mg/m <sup>3</sup><br>Sk*                   | TWA: 200 ppm<br>TWA: 266 mg/m <sup>3</sup><br>STEL: 250 ppm<br>STEL: 333 mg/m <sup>3</sup><br>Sk*  |
| Diocetyl tin oxide<br>870-08-6 | -   | TWA: 0.1 mg/m <sup>3</sup><br>STEL: 0.2 mg/m <sup>3</sup>   | TWA: 0.1 mg/m <sup>3</sup><br>STEL: 0.2 mg/m <sup>3</sup><br>Sk*   |

**Derived No Effect Level (DNEL)** No information available

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| <b>Derived No Effect Level (DNEL)</b>          |                |                                |               |
|--|----------------|--------------------------------|---------------|
| <b>Trimethoxyvinylsilane (2768-02-7)</b>       |                |                                |               |
| Type   | Exposure route | Derived No Effect Level (DNEL) | Safety factor |
| worker<br>Systemic health effects<br>Long term | Inhalation     | 27,6 mg/m <sup>3</sup>         |               |
| worker<br>Systemic health effects<br>Long term | Dermal         | 3,9 mg/kg bw/d                 |               |

| <b>Titanium dioxide (13463-67-7)</b>        |                |                                |               |
|---|----------------|--------------------------------|---------------|
| Type  | Exposure route | Derived No Effect Level (DNEL) | Safety factor |
| worker<br>Long term<br>Local health effects | Inhalation     | 10 mg/m <sup>3</sup>           |               |

| <b>Methyl alcohol (67-56-1)</b>                 |                |                                |               |
|---|----------------|--------------------------------|---------------|
| Type  | Exposure route | Derived No Effect Level (DNEL) | Safety factor |
| Short term<br>Systemic health effects<br>worker | Dermal         | 40 mg/kg bw/d                  |               |
| Short term<br>Systemic health effects<br>worker | Inhalation     | 260 mg/m <sup>3</sup>          |               |
| Short term<br>Local health effects<br>worker    | Inhalation     | 260 mg/m <sup>3</sup>          |               |
| Long term<br>Systemic health effects<br>worker  | Dermal         | 40 mg/kg bw/d                  |               |
| worker<br>Long term<br>Systemic health effects  | Inhalation     | 260 mg/m <sup>3</sup>          |               |
| Long term<br>Local health effects<br>worker     | Inhalation     | 260 mg/m <sup>3</sup>          |               |

| <b>Diocetyl tin oxide (870-08-6)</b>           |                |                                |               |
|--|----------------|--------------------------------|---------------|
| Type   | Exposure route | Derived No Effect Level (DNEL) | Safety factor |
| worker<br>Long term<br>Systemic health effects | Dermal         | 0.05 mg/kg bw/d                |               |
| worker<br>Long term<br>Systemic health effects | Inhalation     | 0.004 mg/m <sup>3</sup>        |               |

| <b>Octamethylcyclotetrasiloxane [D4] (556-67-2)</b> |                |                                |               |
|---|----------------|--------------------------------|---------------|
| Type  | Exposure route | Derived No Effect Level (DNEL) | Safety factor |
| worker<br>Long term<br>Systemic health effects      | Inhalation     | 73 mg/m <sup>3</sup>           |               |

## **Derived No Effect Level (DNEL)**

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| <b>Trimethoxyvinylsilane (2768-02-7)</b>         |                |                                |               |
|--|----------------|--------------------------------|---------------|
| Type   | Exposure route | Derived No Effect Level (DNEL) | Safety factor |
| Consumer<br>Systemic health effects<br>Long term | Inhalation     | 18,9 mg/m <sup>3</sup>         |               |
| Consumer<br>Systemic health effects<br>Long term | Dermal         | 7,8 mg/kg bw/d                 |               |
| Consumer<br>Systemic health effects<br>Long term | Oral           | 0,3 mg/kg bw/d                 |               |

| <b>Titanium dioxide (13463-67-7)</b>             |                |                                |               |
|--|----------------|--------------------------------|---------------|
| Type   | Exposure route | Derived No Effect Level (DNEL) | Safety factor |
| Consumer<br>Long term<br>Systemic health effects | Oral           | 700 mg/kg bw/d                 |               |

| <b>Methyl alcohol (67-56-1)</b>                   |                |                                |               |
|---|----------------|--------------------------------|---------------|
| Type  | Exposure route | Derived No Effect Level (DNEL) | Safety factor |
| Consumer<br>Short term<br>Systemic health effects | Dermal         | 8 mg/kg bw/d                   |               |
| Consumer<br>Short term<br>Systemic health effects | Oral           | 8 mg/kg bw/d                   |               |
| Consumer<br>Long term<br>Local health effects     | Inhalation     | 50 mg/m <sup>3</sup>           |               |
| Consumer<br>Long term<br>Systemic health effects  | Oral           | 8 mg/kg bw/d                   |               |
| Consumer<br>Long term<br>Systemic health effects  | Inhalation     | 50 mg/m <sup>3</sup>           |               |
| Consumer<br>Long term<br>Systemic health effects  | Dermal         | 50 mg/kg bw/d                  |               |

| <b>Diocetyl tin oxide (870-08-6)</b>             |                |                                |               |
|--|----------------|--------------------------------|---------------|
| Type   | Exposure route | Derived No Effect Level (DNEL) | Safety factor |
| Consumer<br>Long term<br>Systemic health effects | Oral           | 0.0005 mg/kg bw/d              |               |
| Consumer<br>Long term<br>Systemic health effects | Dermal         | 0.025 mg/kg bw/d               |               |
| Consumer<br>Long term<br>Systemic health effects | Inhalation     | 0.0009 mg/m <sup>3</sup>       |               |

| <b>Octamethylcyclotetrasiloxane [D4] (556-67-2)</b> |                |                                |               |
|---|----------------|--------------------------------|---------------|
| Type  | Exposure route | Derived No Effect Level (DNEL) | Safety factor |
| Consumer<br>Long term                               | Inhalation     | 13 mg/m <sup>3</sup>           |               |

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|-------------------------|------|----------------|--|
| Systemic health effects |      |                |  |
| Consumer                | Oral | 3.7 mg/kg bw/d |  |
| Long term               |      |                |  |
| Systemic health effects |      |                |  |

## Predicted No Effect Concentration (PNEC)

| Predicted No Effect Concentration (PNEC) |  |
|--|--|
| Trimethoxyvinylsilane (2768-02-7)        |  |
| Environmental compartment                | Predicted No Effect Concentration (PNEC) |
| Freshwater                               | 0.34 mg/l                                |
| Marine water                             | 0.034 mg/l                               |
| Microorganisms in sewage treatment       | 110 mg/l                                 |

| Titanium dioxide (13463-67-7)      |  |
|------------------------------------|--|
| Environmental compartment          | Predicted No Effect Concentration (PNEC) |
| Marine water                       | 0.0184 mg/l                              |
| Freshwater sediment                | 1000 mg/kg                               |
| Freshwater                         | 0.184 mg/l                               |
| Marine sediment                    | 100 mg/kg                                |
| Soil                               | 100 mg/kg                                |
| Microorganisms in sewage treatment | 100 mg/l                                 |
| Freshwater - intermittent          | 0.193 mg/l                               |

| Diocetyl tin oxide (870-08-6)      |  |
|------------------------------------|--|
| Environmental compartment          | Predicted No Effect Concentration (PNEC) |
| Freshwater sediment                | 0.02798 mg/kg dry weight                 |
| Marine sediment                    | 0.002798 mg/kg dry weight                |
| Microorganisms in sewage treatment | 100 mg/l                                 |

| Octamethylcyclotetrasiloxane [D4] (556-67-2) |  |
|--|--|
| Environmental compartment                    | Predicted No Effect Concentration (PNEC) |
| Freshwater                                   | 0.0015 mg/l                              |
| Marine water                                 | 0.00015 mg/l                             |
| Freshwater sediment                          | 3 mg/kg                                  |
| Marine sediment                              | 0.3 mg/kg                                |
| Soil   | 0.54 mg/kg                               |
| Sewage treatment plant                       | 10 mg/l                                  |

## 8.2. Exposure controls

**Engineering controls** Ensure adequate ventilation, especially in confined areas.

### Personal protective equipment

- Eye/face protection** Wear safety glasses with side shields (or goggles). Eye protection must conform to standard EN 166
- Hand protection** Wear suitable gloves. Recommended Use: Neoprene™. Nitrile rubber. Butyl rubber. Glove thickness > 0.7mm. The breakthrough time for the mentioned glove material is in general greater than 480 min. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves. Gloves must conform to standard EN 374
- Skin and body protection** None under normal use conditions.
- Respiratory protection** In case of inadequate ventilation wear respiratory protection. Wear a respirator conforming to EN 140 with Type A/P2 filter or better. Ensure adequate ventilation, especially in confined areas.
- Recommended filter type:** Organic gases and vapours filter conforming to EN 14387. White. Brown.

**Environmental exposure controls** Do not allow uncontrolled discharge of product into the environment.

## SECTION 9: Physical and chemical properties



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## 9.1. Information on basic physical and chemical properties

|                 |                           |
|-----------------|---------------------------|
| Physical state  | Liquid                    |
| Appearance      | Paste                     |
| Colour          | Grey                      |
| Odour           | No information available. |
| Odour threshold | No information available  |

| <u>Property</u>                         | <u>Values</u>              | <u>Remarks • Method</u>             |
|---|----------------------------|-------------------------------------|
| Melting point / freezing point          | No data available          | None known                          |
| Initial boiling point and boiling range | 301 °C                     |                                     |
| Flammability                            | Not applicable for liquids | None known                          |
| Flammability Limit in Air               |                            | None known                          |
| Upper flammability or explosive limits  | No data available          |                                     |
| Lower flammability or explosive limits  | No data available          |                                     |
| Flash point                             | 100 °C                     |                                     |
| Autoignition temperature                | >200 °C                    |                                     |
| Decomposition temperature               |                            | None known                          |
| pH                                      | No data available          | Not applicable. Insoluble in water. |
| pH (as aqueous solution)                | No data available          | None known                          |
| Kinematic viscosity                     | 50 mm <sup>2</sup> /s      |                                     |
| Dynamic viscosity                       | No data available          |                                     |
| Water solubility                        | Immiscible in water.       |                                     |
| Solubility(ies)                         | No data available          | None known                          |
| Partition coefficient                   | No data available          | None known                          |
| Vapour pressure                         | No data available          | None known                          |
| Relative density                        | 1.01                       |                                     |
| Bulk Density                            | No data available          |                                     |
| Density                                 | No data available          |                                     |
| Relative vapour density                 | No data available          | None known                          |
| Particle characteristics                |                            |                                     |
| Particle Size                           | No information available   |                                     |
| Particle Size Distribution              | No information available   |                                     |

## 9.2. Other information

|                   |                          |
|-------------------|--------------------------|
| Solid content (%) | No information available |
| VOC content       | No data available        |

9.2.1. Information with regards to physical hazard classes  
Not applicable

9.2.2. Other safety characteristics  
No information available

## **SECTION 10: Stability and reactivity**

### 10.1. Reactivity

|            |                              |
|------------|------------------------------|
| Reactivity | Product cures with moisture. |
|------------|------------------------------|

### 10.2. Chemical stability

|           |                                 |
|-----------|---------------------------------|
| Stability | Stable under normal conditions. |
|-----------|---------------------------------|

### Explosion data

|                                  |       |
|----------------------------------|-------|
| Sensitivity to mechanical impact | None. |
|----------------------------------|-------|

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Sensitivity to static discharge None.

## 10.3. Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

## 10.4. Conditions to avoid

Conditions to avoid Protect from moisture. Exposure to air or moisture over prolonged periods. Do not freeze. Keep away from open flames, hot surfaces and sources of ignition.

## 10.5. Incompatible materials

Incompatible materials Strong oxidising agents.

## 10.6. Hazardous decomposition products

Hazardous decomposition products Small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released upon curing.

## SECTION 11: Toxicological information

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

#### Information on likely routes of exposure

##### Product Information

**Inhalation** Based on available data, the classification criteria are not met.  
**Eye contact** Based on available data, the classification criteria are not met.  
**Skin contact** Based on available data, the classification criteria are not met. May cause sensitisation in susceptible persons.  
**Ingestion** Based on available data, the classification criteria are not met.

#### Symptoms related to the physical, chemical and toxicological characteristics

Symptoms No information available.

#### Acute toxicity

#### Numerical measures of toxicity

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral) 37,838.50 mg/kg  
ATEmix (inhalation-dust/mist) 92.80 mg/l  
ATEmix (inhalation-vapour) 194.70 mg/l

#### Component Information

| Chemical name  | Oral LD50                                 | Dermal LD50  | Inhalation LC50                           |
|--|---|--|---|
| Hydrocarbons, C13-C23, n-alkanes, isoalkanes, cyclics, < 0.03% aromatics | LD50 > 5000 mg/kg (Rattus) OECD 401       | LD50 > 2000 mg/kg (Oryctolagus cuniculus) OECD 402 | -   |
| Silica, amorphous  | =7900 mg/kg (Rattus)                      | > 5000 mg/kg (Oryctolagus cuniculus)               | >2.2 mg/L (Rattus) 1 h                    |
| Trimethoxyvinylsilane  | LD50 = 7120 -7236 mg/kg (Rattus) OECD 401 | = 3540 mg/kg (Oryctolagus cuniculus)               | LC50 (4hr) 16.8 mg/l (Rattus) OECD TG 403 |

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|                                   |                                     |  |  |
|-----------------------------------|-------------------------------------|--|--|
| Titanium dioxide                  | >10000 mg/kg (Rattus)               | LD50 > 5000 mg/Kg                      | = 5.09 mg/L ( Rattus ) 4 h                       |
| Methyl alcohol                    | =2500 mg/kg (Rattus)                | 200-1000 mg/kg (Oryctolagus cuniculus) | =22500 ppm (Rattus) 8 h = 64000 ppm (Rattus) 4 h |
| Diocetyl tin oxide                | =2500 mg/kg (Rattus)                | LD50 > 2000 mg/kg (Rattus) OECD 402    | -  |
| Octamethylcyclotetrasiloxane [D4] | LD50 > 4800 mg/kg (Rattus) OECD 401 | LD50 > 2400 mg/kg (Rattus) OECD 402    | =36 g/m <sup>3</sup> (Rattus) 4 h                |
| 2-octyl-2H-isothiazol-3-one [OIT] | =125 mg/kg (Rattus)                 | = 690 mg/kg (Oryctolagus cuniculus)    | -  |

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

### Skin corrosion/irritation

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

Trimethoxyvinylsilane (2768-02-7)

| Method | Species | Exposure route | Effective dose | Exposure time | Results      |
|--------|---------|----------------|----------------|---------------|--------------|
|        | Rabbit  | Dermal         | 0.5 mL         | 24 hours      | Non-irritant |

Titanium dioxide (13463-67-7)

| Method   | Species | Exposure route | Effective dose | Exposure time | Results      |
|--|---------|----------------|----------------|---------------|--------------|
| OECD Test No. 404: Acute Dermal Irritation/Corrosion | Rabbit  | Dermal         |                |               | Non-irritant |

2-octyl-2H-isothiazol-3-one [OIT] (26530-20-1)

| Method   | Species | Exposure route | Effective dose | Exposure time | Results   |
|--|---------|----------------|----------------|---------------|-----------|
| OECD Test No. 404: Acute Dermal Irritation/Corrosion | Rabbit  | Dermal         |                |               | Corrosive |

### Serious eye damage/eye irritation

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

Trimethoxyvinylsilane (2768-02-7)

| Method  | Species | Exposure route | Effective dose | Exposure time | Results      |
|---|---------|----------------|----------------|---------------|--------------|
| OECD Test No. 405: Acute Eye Irritation/Corrosion | Rabbit  | eye            |                | 24 hours      | Non-irritant |

Titanium dioxide (13463-67-7)

| Method  | Species | Exposure route | Effective dose | Exposure time | Results      |
|---|---------|----------------|----------------|---------------|--------------|
| OECD Test No. 405: Acute Eye Irritation/Corrosion | Rabbit  | Eye            |                |               | Non-irritant |

2-octyl-2H-isothiazol-3-one [OIT] (26530-20-1)

### Respiratory or skin sensitisation

OECD Test No. 406: Skin Sensitisation. No sensitisation responses were observed. No classification is proposed, based on conclusive negative data. May cause sensitisation in susceptible persons.

| Method                                | Species    | Exposure route | Results                                  |
|---------------------------------------|------------|----------------|--|
| OECD Test No. 406: Skin Sensitisation | Guinea pig | Dermal         | No sensitisation responses were observed |

Trimethoxyvinylsilane (2768-02-7)

| Method  | Species    | Exposure route | Results     |
|---|------------|----------------|-------------|
| OECD Test No. 406: Skin Sensitisation, Buehler test | Guinea pig | Dermal         | sensitising |

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Titanium dioxide (13463-67-7)

| Method  | Species    | Exposure route | Results               |
|---|------------|----------------|-----------------------|
| OECD Test No. 406: Skin Sensitisation                         | Guinea pig | Dermal         | Not a skin sensitiser |
| OECD Test No. 429: Skin Sensitisation: Local Lymph Node Assay | Mouse      | Dermal         | Not a skin sensitiser |

Octamethylcyclotetrasiloxane [D4] (556-67-2)  
2-octyl-2H-isothiazol-3-one [OIT] (26530-20-1)

| Method  | Species | Exposure route | Results     |
|---|---------|----------------|-------------|
| OECD Test No. 429: Skin Sensitisation: Local Lymph Node Assay | Mouse   |                | sensitising |

**Germ cell mutagenicity** Based on available data, the classification criteria are not met.

Component Information  
Trimethoxyvinylsilane (2768-02-7)

| Method   | Species  | Results       |
|--|----------|---------------|
| OECD Test No. 471: Bacterial Reverse Mutation Test | in vitro | Not mutagenic |

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

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

The table below indicates ingredients above the cut-off threshold considered as relevant which are listed as reproductive toxins.

| Chemical name                     | European Union |
|-----------------------------------|----------------|
| Octamethylcyclotetrasiloxane [D4] | Repr. 2        |

Trimethoxyvinylsilane (2768-02-7)

| Method   | Species | Results          |
|--|---------|------------------|
| OECD Test No. 422: Combined Repeated Dose Toxicity Study with the Reproduction/Developmental Toxicity Screening Test | Rat     | Not Classifiable |

**STOT - single exposure** Based on available data, the classification criteria are not met.

Diocetyl tin oxide (870-08-6)

| Method   | Species | Exposure route | Effective dose | Exposure time | Results  |
|--|---------|----------------|----------------|---------------|--|
| OECD Test No. 422: Combined Repeated Dose Toxicity Study with the Reproduction/Developmental Toxicity Screening Test | Rat     | Oral           | 5 mg/kg        | 28 days       | 0.3 - 0.5 mg/kg bw/d May cause damage to the following organs: Immune system |

**STOT - repeated exposure** Based on available data, the classification criteria are not met.

Trimethoxyvinylsilane (2768-02-7)

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| Method   | Species | Exposure route    | Effective dose | Exposure time | Results     |
|--|---------|-------------------|----------------|---------------|-------------|
| OECD Test No. 413:<br>Sub-chronic Inhalation<br>Toxicity: 90-day Study | Rat     | Inhalation vapour |                | 90 days       | 0.058 NOAEL |

Diocetyl tin oxide (870-08-6)

| Method | Species    | Exposure route | Effective dose | Exposure time | Results             |
|--------|------------|----------------|----------------|---------------|---------------------|
|        | Rat Rabbit |                |                | 28 days       | 0.3 -0.5 mg/kg bw/d |

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

## 11.2. Information on other hazards

### 11.2.1. Endocrine disrupting properties

**Endocrine disrupting properties** No information available.

### 11.2.2. Other information

**Other adverse effects** No information available.

## SECTION 12: Ecological information

### 12.1. Toxicity

**Ecotoxicity** Harmful to aquatic life with long lasting effects.

| Chemical name   | Algae/aquatic plants  | Fish   | Toxicity to microorganisms  | Crustacea  | M-Factor | M-Factor (long-term) |
|---|---|--|---|--|----------|----------------------|
| Hydrocarbons, C13-C23, n-alkanes, isoalkanes, cyclics, < 0.03% aromatics<br>RR-100254-6 | EL50 (72h) > 1000 mg/L<br>(Skeletonema costatum)                        | LL50 (96h) > 1028 mg/L<br>(Scophthalmus maximus)                               | -   | LL50 (48h) > > 3193 mg/l<br>(Acartia tonsa)                                |          |                      |
| Silica, amorphous<br>7631-86-9  | EC50: =440mg/L (72h,<br>Pseudokirchneriella subcapitata)                | LC50:<br>=5000mg/L (96h,<br>Brachydanio rerio)                                 | -   | EC50:<br>=7600mg/L (48h,<br>Ceriodaphnia dubia)                            |          |                      |
| Trimethoxyvinylsilane<br>2768-02-7  | EC 50 (72h) > 957 mg/l<br>(Desmodesmus subspicatus)<br>EU Method C.3    | LC50 (96h) = 191 mg/l<br>(Oncorhynchus mykiss)                                 | -   | EC50(48hr)<br>168.7mg/l<br>(Daphnia magna)                                 |          |                      |
| Titanium dioxide<br>13463-67-7  | LC50 (96h) >10000 mg/l<br>(Cyprinodon variegatus)<br>OECD 203           | -  | -   | -  |          |                      |
| Methyl alcohol<br>67-56-1   | -   | LC50 96 h > 100 mg/L<br>(Pimephales promelas static)                           | EC50 = 39000 mg/L 25 min<br>EC50 = 40000 mg/L 15 min<br>EC50 = 43000 mg/L 5 min | -  |          |                      |
| Diocetyl tin oxide<br>870-08-6  | EC50 (3hr) >1.000 mg/l<br>(bacteria)<br>(Activated Sludge, Respiration) | LC50 (96hr) >0,09 mg/l<br>(Brachydanio rerio (zebra))<br>(Acute Toxicity Test) | -   | EC50 (48Hr) >0,21 mg/l<br>(Daphnia magna (Dappnia magna))<br>(Daphnia sp.) |          |                      |

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|   | Inhibition Test)  |   |   | Acute Immobilisation Test)                 |     |     |
|---|---|---|---|--|-----|-----|
| Octamethylcyclotetrasiloxane [D4]<br>556-67-2   | -   | LC50:<br>>1000mg/L (96h,<br>Lepomis<br>macrochirus)<br>LC50: >500mg/L<br>(96h,<br>Brachydanio<br>rerio) | - | EC50:<br>=25.2mg/L (24h,<br>Daphnia magna) |     | 10  |
| 2-octyl-2H-isothiazol-3-one [OIT]<br>26530-20-1 | EC50(72h) =<br>0.084 mg/L<br>(Scenedesmus<br>subspicatus)<br>(OECD 201) | LC50 (96h) =<br>0.036 mg/L<br>(Oncorhynchus<br>mykiss) (OECD<br>203)                                    | - | EC50 (48h)<br>=0.42 mg/L<br>(OECD 202)     | 100 | 100 |

## 12.2. Persistence and degradability

**Persistence and degradability** No information available.

Silica, amorphous (7631-86-9)

| Method | Exposure time | Value | Results   |
|--------|---------------|-------|---|
|        |               |       | The methods for determining biodegradability are not applicable to inorganic substances |

Trimethoxyvinylsilane (2768-02-7)

| Method  | Exposure time | Value | Results                        |
|---|---------------|-------|--------------------------------|
| OECD Test No. 301F: Ready Biodegradability: Manometric Respirometry Test (TG 301 F) | 28 days       | BOD   | 51 % Not readily biodegradable |

Diocetyl tin oxide (870-08-6)

| Method  | Exposure time | Value          | Results                       |
|---|---------------|----------------|-------------------------------|
| OECD Test No. 301F: Ready Biodegradability: Manometric Respirometry Test (TG 301 F) | 755 hours     | biodegradation | Not readily biodegradable 2 % |

Octamethylcyclotetrasiloxane [D4] (556-67-2)  
 2-octyl-2H-isothiazol-3-one [OIT] (26530-20-1)

| Method  | Exposure time | Value               | Results               |
|---|---------------|---------------------|-----------------------|
| OECD Test No. 309: Aerobic Mineralization in Surface Water - Simulation Biodegradation Test |               | Half-life 0.6-1.4 d | Readily biodegradable |

## 12.3. Bioaccumulative potential

**Bioaccumulation**

### Component Information

| Chemical name                     | Partition coefficient |
|-----------------------------------|-----------------------|
| Trimethoxyvinylsilane             | 1.1                   |
| Methyl alcohol                    | -0.77                 |
| Diocetyl tin oxide                | 6                     |
| Octamethylcyclotetrasiloxane [D4] | 6.49                  |
| 2-octyl-2H-isothiazol-3-one [OIT] | 2.92                  |

## 12.4. Mobility in soil

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**Mobility in soil** No information available.

## 12.5. Results of PBT and vPvB assessment

**PBT and vPvB assessment** The product contains substance(s) classified as PBT or vPvB.

| Chemical name                     | PBT and vPvB assessment  |
|-----------------------------------|--|
| Silica, amorphous                 | The substance is not PBT / vPvB PBT assessment does not apply  |
| Trimethoxyvinylsilane             | The substance is not PBT / vPvB  |
| Titanium dioxide                  | The substance is not PBT / vPvB PBT assessment does not apply  |
| Methyl alcohol                    | The substance is not PBT / vPvB PBT assessment does not apply Further information relevant for the PBT assessment is necessary |
| Diocetyl tin oxide                | The substance is not PBT / vPvB  |
| Octamethylcyclotetrasiloxane [D4] | PBT & vPvB   |
| 2-octyl-2H-isothiazol-3-one [OIT] | The substance is not PBT / vPvB  |

## 12.6. Endocrine disrupting properties

**Endocrine disrupting properties** No information available.

| Component Information   |           |         |
|---|-----------|---------|
| Octamethylcyclotetrasiloxane [D4] (556-67-2)  |           |         |
| Method  | Results   | Species |
| Endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100(3) or Commission Regulation (EU) 2018/605(4). | Negative. |         |

## 12.7. Other adverse effects

No information available.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

|  |  |
|--|--|
| <b>Waste from residues/unused products</b> | Dispose of contents/container in accordance with local, regional, national, and international regulations as applicable. |
| <b>Contaminated packaging</b>              | Handle contaminated packages in the same way as the product itself.  |
| <b>European Waste Catalogue</b>            | 08 04 09* waste adhesives and sealants containing organic solvents or other dangerous substances                         |
| <b>Other information</b>                   | Waste codes should be assigned by the user based on the application for which the product was used.                      |

## SECTION 14: Transport information

### Land transport (ADR/RID)

|                                 |               |
|---------------------------------|---------------|
| 14.1 UN number or ID number     | Not regulated |
| 14.2 Proper Shipping Name       | Not regulated |
| 14.3 Transport hazard class(es) | Not regulated |
| 14.4 Packing group              | Not regulated |

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14.5 Environmental hazards Not applicable  
14.6 Special Provisions None

## IMDG

14.1 UN number or ID number Not regulated  
14.2 Proper Shipping Name Not regulated  
14.3 Transport hazard class(es) Not regulated  
14.4 Packing group Not regulated  
14.5 Marine pollutant NP  
14.6 Special Provisions None  
14.7 Maritime transport in bulk according to IMO instruments Not applicable

## Air transport (ICAO-TI / IATA-DGR)

14.1 UN number or ID number Not regulated  
14.2 Proper Shipping Name Not regulated  
14.3 Transport hazard class(es) Not regulated  
14.4 Packing group Not regulated  
14.5 Environmental hazards Not applicable  
14.6 Special Provisions None

## Section 15: REGULATORY INFORMATION

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

#### European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Check whether measures in accordance with Directive 94/33/EC for the protection of young people at work must be taken.

Take note of Directive 92/85/EC on the protection of pregnant and breastfeeding women at work

#### Registration, Evaluation, Authorization, and Restriction of Chemicals (REACH) Regulation (EC 1907/2006)

##### SVHC: Substances of Very High Concern for Authorisation:

This product does not contain candidate substances of very high concern at a concentration  $\geq 0.1\%$  (Regulation (EC) No. 1907/2006 (REACH), Article 59)

##### EU-REACH (1907/2006) - Annex XVII - Substances subject to Restriction

This product contains one or more substance(s) subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII).

| Chemical name      | CAS No   | Restricted substance per REACH Annex XVII |
|--------------------|----------|---|
| Methyl alcohol     | 67-56-1  | 69.<br>75.                                |
| Diocetyl tin oxide | 870-08-6 | 20.                                       |

##### Substance subject to authorisation per REACH Annex XIV

This product does not contain substances subject to authorisation (Regulation (EC) No. 1907/2006 (REACH), Annex XIV)

##### Export Notification requirements

This product contains substances which are regulated pursuant to Regulation (EC) No. 649/2012 of the European parliament and of the council concerning the export and import of dangerous chemicals

| Chemical name | European Export/Import Restrictions per (EC) 689/2008 - Annex Number |
|---------------|--|
|---------------|--|



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|                    |     |
|--------------------|-----|
| Diocetyl tin oxide | I.1 |
|--------------------|-----|

## Named dangerous substances per Seveso Directive (2012/18/EU)

| Chemical name            | Lower-tier requirements (tons) | Upper-tier requirements (tons) |
|--------------------------|--------------------------------|--------------------------------|
| Methyl alcohol - 67-56-1 | 500                            | 5000                           |

## Ozone-depleting substances (ODS) regulation (EC) 1005/2009

Not applicable

## Persistent Organic Pollutants

Not applicable

## National regulations

### 15.2. Chemical safety assessment

Chemical Safety Assessments have been carried out by the Reach registrants for substances registered at >10 tpa. No Chemical Safety Assessment has been carried out for this mixture

## SECTION 16: Other information

### Key or legend to abbreviations and acronyms used in the safety data sheet

#### Full text of H-Statements referred to under section 3

H225 - Highly flammable liquid and vapour  
H226 - Flammable liquid and vapour  
H301 - Toxic if swallowed  
H304 - May be fatal if swallowed and enters airways  
H311 - Toxic in contact with skin  
H314 - Causes severe skin burns and eye damage  
H317 - May cause an allergic skin reaction  
H318 - Causes serious eye damage  
H330 - Fatal if inhaled  
H331 - Toxic if inhaled  
H332 - Harmful if inhaled  
H361f - Suspected of damaging fertility  
H370 - Causes damage to organs  
H400 - Very toxic to aquatic life  
H410 - Very toxic to aquatic life with long lasting effects

#### Notes relating to the identification, classification and labelling of substances

**Note V:** If the substance is to be placed on the market as fibres (with diameter < 3 µm, length > 5 µm and aspect ratio ≥ 3:1) or particles of the substance fulfilling the WHO fibre criteria or as particles with modified surface chemistry, their hazardous properties must be evaluated in accordance with Title II of this Regulation, to assess whether a higher category (Carc. 1B or 1A) and/or additional routes of exposure (oral or dermal) should be applied

**Note W:** It has been observed that the carcinogenic hazard of this substance arises when respirable dust is inhaled in quantities leading to significant impairment of particle clearance mechanisms in the lung

#### Notes relating to the classification and labelling of mixtures

**Note 10:** The classification as a carcinogen by inhalation applies only to mixtures in powder form containing 1 % or more of titanium dioxide which is in the form of or incorporated in particles with aerodynamic diameter ≤ 10 µm

SVHC: Substances of Very High Concern for Authorisation:  
PBT: Persistent, Bioaccumulative, and Toxic (PBT) Chemicals  
vPvB: Very Persistent and very Bioaccumulative (vPvB) Chemicals  
STOT RE: Specific target organ toxicity - Repeated exposure  
STOT SE: Specific target organ toxicity - Single exposure  
EWC: European Waste Catalogue

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LOW: List of Wastes (see <http://ec.europa.eu/environment/waste/framework/list.htm>)  
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road  
IATA: International Air Transport Association  
ICAO: ICAO-TI: Technical Instructions for the Safe Transport of Dangerous Goods by Air  
IMDG: International Maritime Dangerous Goods  
RID: Regulations concerning the International Carriage of Dangerous Goods by Rail

## Legend SECTION 8: Exposure controls/personal protection

|         |                                   |      |                                  |
|---------|-----------------------------------|------|----------------------------------|
| TWA     | TWA (time-weighted average)       | STEL | STEL (Short Term Exposure Limit) |
| AGW     | Occupational exposure limit value | BGW  | Biological limit value           |
| Ceiling | Maximum limit value               | *    | Skin designation                 |

| Classification procedure  |                       |
|---|-----------------------|
| Classification according to Regulation (EC) No. 1272/2008 [CLP] | Method Used           |
| Acute oral toxicity   | Calculation method    |
| Acute dermal toxicity   | Calculation method    |
| Acute inhalation toxicity - gas                                 | Calculation method    |
| Acute inhalation toxicity - Vapour                              | Calculation method    |
| Acute inhalation toxicity - dust/mist                           | Calculation method    |
| Skin corrosion/irritation                                       | Calculation method    |
| Serious eye damage/eye irritation                               | Calculation method    |
| Respiratory sensitisation                                       | Calculation method    |
| Skin sensitisation  | On basis of test data |
| mutagenicity  | Calculation method    |
| Carcinogenicity   | Calculation method    |
| Reproductive toxicity   | Calculation method    |
| STOT - single exposure  | Calculation method    |
| STOT - repeated exposure  | Calculation method    |
| Acute aquatic toxicity  | Calculation method    |
| Chronic aquatic toxicity  | Calculation method    |
| Aspiration hazard   | Calculation method    |
| Ozone   | Calculation method    |

## Key literature references and sources for data used to compile the SDS

European Food Safety Authority (EFSA)  
European Chemicals Agency (ECHA) Committee for Risk Assessment (ECHA\_RAC)  
European Chemicals Agency (ECHA) (ECHA\_API)  
EPA (Environmental Protection Agency)  
Acute Exposure Guideline Level(s) (AEGl(s))  
International Uniform Chemical Information Database (IUCLID)  
National Institute of Technology and Evaluation (NITE)  
NIOSH (National Institute for Occupational Safety and Health)  
Organisation for Economic Co-operation and Development Environment, Health, and Safety Publications  
Organisation for Economic Co-operation and Development High Production Volume Chemicals Programme  
Organisation for Economic Co-operation and Development Screening Information Data Set

**Prepared By** Product Safety & Regulatory Affairs

**Revision date** 22-Feb-2023

**Training Advice** No information available

**Further information** No information available

## Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)

### Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in

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combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**