

This safety data sheet was created pursuant to the requirements of: REACH Regulation (EC) No 1907/2006, as retained in UK law by (SI 2019/758 as amended)

## **EVO-STIK STAY CLEAR SANITARY SILICONE CLEAR**

Supercedes date 19-Oct-2022

Revision date 03-Jan-2025 Revision Number 4.01

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

1.1. Product identifier

Product Name EVO-STIK STAY CLEAR SANITARY SILICONE CLEAR

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 Limited Common Rd ST16 3EH Stafford UK

Tel: +44 (1785) 27 26 25 Fax: +44 (1785) 25 72 36

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

1.4. Emergency telephone number

United Kingdom Bostik: +44 (1785) 272650 (9am to 5pm Mon-Fri)

NHS: 111

## **SECTION 2: Hazards identification**

### 2.1. Classification of the substance or mixture

GB CLP (SI 2020/1567 as amended)

Hazardous to the aquatic environment - chronic Category 3 - (H412)

## 2.2. Label elements

#### Signal word

None

#### **Hazard statements**

H412 - Harmful to aquatic life with long lasting effects.

## **EU Specific Hazard Statements**

EUH208 - Contains 4,5-dichloro-2-octyl-2H-isothiazol-3-one [DCOIT] & Dimethylbis[(1-oxoneodecyl)oxy]stannane. 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

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P273 - Avoid release to the environment

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

#### 2.3. Other hazards

Small amounts of acetic acid (CAS 64-19-7) 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).

## **SECTION 3: Composition/information on ingredients**

#### 3.1 Substances

Not applicable

#### 3.2 Mixtures

| Chemical name  | Weight-<br>%      | REACH<br>registration<br>number | EC No (EU<br>Index No) | Regulation (EC) No. 1272/2008 [CLP]  | Specific<br>concentration<br>limit (SCL) | M-Factor | M-Factor<br>(long-ter<br>m) | Notes |
|--|-------------------|---------------------------------|------------------------|--|--|----------|-----------------------------|-------|
| Hydrocarbons,<br>C15-C20, n-alkanes,<br>isoalkanes, cyclics, <<br>0.03% aromatics<br>RR-100252-4 | >25 - <40         | 01-2119827000<br>-58-XXXX       | 934-956-3              | Asp. Tox. 1 (H304)   | -  | -        | -                           | -     |
| Triacetoxy(propyl)sil<br>ane<br>17865-07-5   | 1 - <2.5          | 01-2119966899<br>-07-XXXX       | 241-816-9              | Skin Corr. 1B<br>(H314)<br>(EUH071)  | -  | -        | -                           | -     |
| Silanetriol, methyl-,<br>triacetate<br>4253-34-3   | 1 - <2.5          | 01-2119962266<br>-32-XXXX       | 224-221-9              | Skin Corr. 1C<br>(H314)<br>Acute Tox. 4<br>(H302)<br>(EUH014)  | -  | -        | -                           | -     |
| Octamethylcyclotetra<br>siloxane [D4]<br>556-67-2  | 0.036 - <<br>0.05 |                                 |                        | Repr. 2 (H361f)<br>Aquatic Chronic 1<br>(H410)<br>Flam. Liq. 3 (H226)<br>[G]                             | -  | -        | 10                          | -     |
| 4,5-dichloro-2-octyl-<br>2H-isothiazol-3-one<br>[DCOIT]<br>64359-81-5                            | 0.01 < 0.036      | No data<br>available            |                        | (H317)<br>Aquatic Acute 1<br>(H400)  | 0.025%<=C<<br>5%                         | 100      | 100                         | -     |
| Dimethylbis[(1-oxon<br>eodecyl)oxy]stannan<br>e<br>68928-76-7                                    | 0.01 <<br>0.036   | 01-2120770324<br>-57-xxxx       | 273-028-6              | Skin Irrit. 2 (H315)<br>Skin Sens. 1A<br>(H317)<br>Acute Tox. 4<br>(H302)<br>Aquatic Chronic 3<br>(H412) | -  | -        | -                           | -     |

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Substances identified by a number starting "RR-" in the CAS-field are substances for which the CAS# is not adopted in EU and we use an internal numbering system to track within our SDS software

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

[G] - PBT / vPvB substance

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

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

| Chemical name          | EC No (EU Index<br>No)      | Classification<br>according to<br>Regulation (EC)<br>No. 1272/2008<br>[CLP] | Specific<br>concentration<br>limit (SCL)   | M-Factor | M-Factor<br>(long-term) | REACH<br>registration<br>number |
|------------------------|-----------------------------|---|--|----------|-------------------------|---------------------------------|
| Acetic acid<br>64-19-7 | 200-580-7<br>(607-002-00-6) | Skin Corr. 1A<br>(H314)<br>Flam. Liq. 3<br>(H226)                           | Eye Irrit. 2 :: 10%<=C<25% Skin Corr. 1A :: C>=90% Skin Corr. 1B :: 25%<=C<90% Skin Irrit. 2 :: 10%<=C<25% | -        | -                       | 01-2119475328-<br>30-XXXX       |

#### **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 (ATEmix) for classifying a mixture based on its components

| Chemical name   | EC No (EU<br>Index No)      | CAS No.     | Oral LD50<br>mg/kg | Dermal LD50<br>mg/kg | Inhalation<br>LC50 - 4 hour -<br>dust/mist -<br>mg/L | Inhalation<br>LC50 - 4 hour -<br>vapour - mg/L | Inhalation<br>LC50 - 4 hour -<br>gas - ppm |
|---|-----------------------------|-------------|--------------------|----------------------|--|--|--|
| Hydrocarbons,<br>C15-C20, n-alkanes,<br>isoalkanes, cyclics, <<br>0.03% aromatics | 934-956-3                   | RR-100252-4 | -                  | -                    | -  | -  | -  |
| Triacetoxy(propyl)silane  | 241-816-9                   | 17865-07-5  | -                  | -                    | -  | -  | -  |
| Silanetriol, methyl-, triacetate  | 224-221-9                   | 4253-34-3   | 1600               | -                    | -  | -  | -  |
| Octamethylcyclotetrasil oxane [D4]  | 209-136-7<br>(014-018-00-1) | 556-67-2    | -                  | -                    | -  | -  | -  |
| 4,5-dichloro-2-octyl-2H-<br>isothiazol-3-one<br>[DCOIT]                           | 264-843-8<br>(613-335-00-8) | 64359-81-5  | 567+               | -                    | 0.16+  | 0.16+  | 0.16+                                      |
| Dimethylbis[(1-oxoneod ecyl)oxy]stannane  | 273-028-6                   | 68928-76-7  | 892                | -                    | -  | -  | -  |

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

## **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,

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have product container or label at hand.

Inhalation Remove to fresh air. If symptoms persist, call a doctor.

Immediately flush with plenty of water. After initial flushing, remove any contact lenses Eye contact

and continue flushing for at least 15 minutes. Consult an ophthalmologist.

Wash skin with soap and water. In the case of skin irritation or allergic reactions see a Skin contact

Never give anything by mouth to an unconscious person. Rinse mouth thoroughly with Ingestion

water. Drink 1 or 2 glasses of water. Do NOT induce vomiting.

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

None known. **Symptoms** 

**Effects of Exposure** No information available.

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

Note to doctors Treat symptomatically.

## **SECTION 5: Firefighting measures**

5.1. Extinguishing media

Water spray, carbon dioxide (CO2), dry chemical, alcohol-resistant foam. **Suitable Extinguishing Media** 

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.

Carbon dioxide (CO2). Silicon dioxide. Thermal decomposition can lead to release of Hazardous combustion products

irritating and toxic gases and vapours.

5.3. Advice for firefighters

precautions for fire-fighters

Special protective equipment and 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.

Use personal protection recommended in Section 8. For emergency responders

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** Take off all contaminated clothing and wash it before reuse.

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

Storage Conditions Keep containers tightly closed in a cool, well-ventilated place. Keep away from food,

drink and animal feedingstuffs. Protect from moisture.

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 acetic acid (CAS 64-19-7) are formed by hydrolysis and released upon

curing This product contains substances which in their raw state are powder form, however in this product they are in a non-respirable form. Inhalation of powder/dust particles is unlikely to occur from exposure to this product 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                   | United Kingdom              |
|--|----------------------------------|-----------------------------|
| Hydrocarbons, C15-C20, n-alkanes, isoalkanes, cyclics, | TWA/8h                           | -                           |
| < 0.03% aromatics                                      | 5mg/m <sup>3</sup>               |                             |
| RR-100252-4  | STEL/15 mins 10mg/m <sup>3</sup> |                             |
| Silica, amorphous                                      | -                                | TWA: 6 mg/m <sup>3</sup>    |
| 7631-86-9  |                                  | TWA: 2.4 mg/m <sup>3</sup>  |
|  |                                  | STEL: 18 mg/m <sup>3</sup>  |
|  |                                  | STEL: 7.2 mg/m <sup>3</sup> |
| Acetic acid  | TWA: 25 mg/m <sup>3</sup>        | TWA: 10 ppm                 |
| 64-19-7  | TWA: 10 ppm                      | TWA: 25 mg/m <sup>3</sup>   |
|  | STEL: 50 mg/m <sup>3</sup>       | STEL: 20 ppm                |
|  | STEL: 20 ppm                     | STEL: 50 mg/m <sup>3</sup>  |
| Titanium dioxide                                       | -                                | TWA: 10 mg/m <sup>3</sup>   |
| 13463-67-7   |                                  | TWA: 4 mg/m <sup>3</sup>    |
|  |                                  | STEL: 30 mg/m <sup>3</sup>  |
|  |                                  | STEL: 12 mg/m <sup>3</sup>  |
| Dimethylbis[(1-oxoneodecyl)oxy]stannane                | -                                | TWA: 0.1 mg/m <sup>3</sup>  |
| 68928-76-7   |                                  | STEL: 0.2 mg/m <sup>3</sup> |

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|  | Sk* |
|--|-----|

Derived No Effect Level (DNEL) No information available

| Derived No Effect Level (DNEL)               |                |                                |               |  |  |  |
|--|----------------|--------------------------------|---------------|--|--|--|
| Octamethylcyclotetrasiloxane [D4] (556-67-2) |                |                                |               |  |  |  |
| Type   | Exposure route | Derived No Effect Level (DNEL) | Safety factor |  |  |  |
| worker                                       | Inhalation     | 73 mg/m³                       |               |  |  |  |
| Long term Systemic health effects            |                |                                |               |  |  |  |

| Derived No Effect Level (DNEL)                   |                |                                |               |  |  |
|--|----------------|--------------------------------|---------------|--|--|
| Octamethylcyclotetrasiloxane [D4] (556-67-2)     |                |                                |               |  |  |
| Туре   | Exposure route | Derived No Effect Level (DNEL) | Safety factor |  |  |
| Consumer<br>Long term<br>Systemic health effects | Inhalation     | 13 mg/m³                       |               |  |  |
| Consumer<br>Long term<br>Systemic health effects | Oral           | 3.7 mg/kg bw/d                 |               |  |  |

# Predicted No Effect Concentration (PNEC)

| Predicted No Effect Concentration (PNEC)     |  |
|--|--|
| 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 stateSolidAppearancePasteColourClearOdourAcetic acid.

Property Values Remarks • Method

Melting point / freezing pointNo data availableNone knownInitial boiling point and boilingNo data availableNone known

range

Flammability No data available

Flammability Limit in Air None known

Upper flammability or explosive No data available

imits

Lower flammability or explosive No data available

limits

Flash point > 100 °C

Autoignition temperatureNo data availableNone knownDecomposition temperatureNone known

H Not applicable. Insoluble in water.

pH (as aqueous solution) No data available None known

Kinematic viscosity > 21 mm²/s

Dynamic viscosity No data available

Water solubility Insoluble in water. Product cures

with moisture

Solubility(ies)No data availableNone knownPartition coefficientNo data availableNone knownVapour pressureNo data availableNone knownRelative densityNo data availableNone known

Bulk density

No data available

Density 0.97

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 None.

impact

Sensitivity to static discharge None.

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#### 10.3. Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

10.4. Conditions to avoid

Conditions to avoid Product cures with moisture. 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

None under normal use conditions. Stable under recommended storage conditions.

## 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)
 152,813.80 mg/kg

 ATEmix (dermal)
 >2000 mg/kg

 ATEmix (inhalation-gas)
 >20000 ppm

 ATEmix (inhalation-dust/mist)
 >5 mg/l

 ATEmix (inhalation-vapour)
 >20 mg/l

#### **Component Information**

| Chemical name                    | Oral LD50                  | Dermal LD50             | Inhalation LC50           |
|----------------------------------|----------------------------|-------------------------|---------------------------|
| Hydrocarbons, C15-C20,           | LD50 > 5000 mg/kg (Rattus) | LD50 > 3160 mg/kg       | LC50 Inhalation(4h) >5266 |
| n-alkanes, isoalkanes, cyclics,  | OECD 401                   | (Oryctolagus cuniculus) | mg/m³ (Rattus)            |
| < 0.03% aromatics                |                            | OECD 402                | -                         |
| Silanetriol, methyl-, triacetate | LD50 = 1600 mg/kg (Rattus) | -                       | -                         |
|                                  | OECD 401                   |                         |                           |

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| Octamethylcyclotetrasiloxane    | LD50 > 4800 mg/kg (Rattus) | LD50 > 2400 mg/kg (Rattus) | =36 g/m³ (Rattus) 4 h   |
|---------------------------------|----------------------------|----------------------------|-------------------------|
| [D4]                            | OECD 401                   | OECD 402                   | -                       |
| 4,5-dichloro-2-octyl-2H-isothia | =1636 mg/kg (Rattus)       | > 2000 mg/kg (Oryctolagus  | =0.26 mg/L (Rattus) 4 h |
| ol-3-one [DCOIT]                |                            | cuniculus)                 |                         |
| Dimethylbis[(1-oxoneodecyl)ox   | LD50 =892 mg/Kg (Rattus)   | LD50 >2000 mg/Kg (rattus)  | -                       |
| y]stannane                      | (OECD 401)                 |                            |                         |

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

Skin corrosion/irritation

The assessment of the result of testing was done in accordance with the guideline of the Commission 92/69/EEC.

| Product Information |         |                |                |               |               |
|---------------------|---------|----------------|----------------|---------------|---------------|
| Method              | Species | Exposure route | Effective dose | Exposure time | Results       |
|                     | Rabbit  | Dermal         |                |               | Non-irritant  |
|                     | Rabbit  | Dermal         |                | 6 days        | Product score |
|                     |         |                |                |               | <=1           |
|                     |         |                |                |               | Non-irritant  |

Serious eye damage/eye irritation By analogy to another tested similar product: No irritation after contact to the eyes. (H319 is void). The assessment of the result of testing was done in accordance with the guideline of the Commission 92/69/EEC.

| Product Information |         |                |                |               |                   |
|---------------------|---------|----------------|----------------|---------------|-------------------|
| Method              | Species | Exposure route | Effective dose | Exposure time | Results           |
|                     | Rabbit  | eye            |                |               | Non-irritant      |
|                     | Rabbit  | eye            |                | 6 days        | Product score <=1 |
|                     |         |                |                |               | Non-irritant      |

Respiratory or skin sensitisation

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

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

| Octamethylcyclotetrasiloxane [D4] (556-67-2)                  |            |                |             |  |
|---|------------|----------------|-------------|--|
| 4,5-dichloro-2-octyl-2H-isothiazol-3-one [DCOIT] (64359-81-5) |            |                |             |  |
| Method  | Species    | Exposure route | Results     |  |
| OFCD 406  | Guinea pig | Dermal         | Sensitising |  |

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

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.

| The table below indicated ingredients above the eat on threeheld confedered as relevant which are noted as reproductive texts |                |  |
|---|----------------|--|
| Chemical name   | European Union |  |
| Octamethylcyclotetrasiloxane [D4]   | Repr. 2        |  |

STOT - single exposure

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

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

**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<br>(long-term) |
|--|--|---|----------------------------|--|----------|-------------------------|
| Hydrocarbons,<br>C15-C20, n-alkanes,<br>isoalkanes, cyclics, <<br>0.03% aromatics<br>RR-100252-4 | EL50 (72h)<br>>10,000 mg/L<br>(Skeletonema<br>costatum)<br>ISO 10253             | LL50 (96h) ><br>1028 mg/L<br>(Scophthalmus<br>maximus)<br>OECD 203                                      | -                          | LL50 (48h)><br>3193 mg/l<br>(Acartia tonsa)              |          |                         |
| Triacetoxy(propyl)silane<br>17865-07-5   | EC50 (72h):<br>approx. 24<br>mg/l(Pseudokirc<br>henriella<br>subpicata)          | LC50 (96h) =<br>108.89 mg/L   | -                          | EC50 (48h) =<br>89.59 mg/L                               |          |                         |
| Silanetriol, methyl-,<br>triacetate<br>4253-34-3   | EC50 (72h):<br>>500 mg/l<br>(Pseudokirchner<br>ella subcapitata)                 |   | -                          | EC50 (48h) >500<br>mg/l (Daphnia<br>magna)               |          |                         |
| Octamethylcyclotetrasil<br>oxane [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                      |
| 4,5-dichloro-2-octyl-2H-<br>isothiazol-3-one<br>[DCOIT]<br>64359-81-5                            | EC50 (72h)<br>=0.025 mg/L<br>Algae<br>(Scenedesmus<br>subspicatus)(OE<br>CD 201) | LC50 (96h)<br>0.0078 mg/L<br>(Oncorhynchus<br>mykiss)(OECD<br>203)                                      | -                          | EC50 (48h)<br>0.0097 mg/L<br>Daphnia magna<br>(OECD 202) | 100      | 100                     |
| Dimethylbis[(1-oxoneod<br>ecyl)oxy]stannane<br>68928-76-7  | -  | -   | -                          | EC50 =39 mg/L<br>(Daphnia<br>magna)<br>(OECD 201)        |          |                         |

## 12.2. Persistence and degradability

Persistence and degradability No information available.

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| Octamethylcyclotetrasiloxane [D4] (556-67-2)                  |  |           |              |  |
|---|--|-----------|--------------|--|
| 4,5-dichloro-2-octyl-2H-isothiazol-3-one [DCOIT] (64359-81-5) |  |           |              |  |
| Method Exposure time Value Results                            |  |           |              |  |
| OECD Test No. 308: Aerobic and                                |  | Half-life | 1.1-1.3 days |  |
| Anaerobic Transformation in Aquatic                           |  |           | ·            |  |
| Sediment Systems  |  |           |              |  |

| Dimethylbis[(1-oxoneodecyl)oxy]stannane (68928-76-7) |               |       |                           |
|--|---------------|-------|---------------------------|
| Method   | Exposure time | Value | Results                   |
| OECD Test No. 301B: Ready                            | 28 days       | 0%    | Not readily biodegradable |
| Biodegradability: CO2 Evolution Test                 |               |       |                           |
| (TG 301 B)   |               |       |                           |
| OECD Test No. 301F: Ready                            | 28 days       | 3%    | Not readily biodegradable |
| Biodegradability: Manometric                         |               |       |                           |
| Respirometry Test (TG 301 F)                         |               |       |                           |

### 12.3. Bioaccumulative potential

#### **Bioaccumulation**

**Component Information** 

| Chemical name                                    | Partition coefficient |  |
|--|-----------------------|--|
| Triacetoxy(propyl)silane                         | 1.23                  |  |
| Silanetriol, methyl-, triacetate                 | -2.4                  |  |
| Octamethylcyclotetrasiloxane [D4]                | 6.49                  |  |
| 4,5-dichloro-2-octyl-2H-isothiazol-3-one [DCOIT] | 4.4                   |  |

### 12.4. Mobility in soil

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         |  |
|--|---------------------------------|--|
| Hydrocarbons, C15-C20, n-alkanes, isoalkanes, cyclics, < 0.03% | The substance is not PBT / vPvB |  |
| aromatics  |                                 |  |
| Triacetoxy(propyl)silane                                       | The substance is not PBT / vPvB |  |
| Silanetriol, methyl-, triacetate                               | The substance is not PBT / vPvB |  |
| Octamethylcyclotetrasiloxane [D4]                              | PBT & vPvB                      |  |
| 4,5-dichloro-2-octyl-2H-isothiazol-3-one [DCOIT]               | 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.

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### **SECTION 13: Disposal considerations**

#### 13.1. Waste treatment methods

Waste from residues/unused

Dispose of contents/container in accordance with local, regional, national, and international regulations as applicable.

products

Handle contaminated packages in the same way as the product itself.

**European Waste Catalogue** 

Contaminated packaging

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

substances

Other information

Waste codes should be assigned by the user based on the application for which the product was used.

## SECTION 14: Transport information

**Note:** Keep from freezing.

Land transport (ADR/RID)

14.1 UN number or ID number
 14.2 UN proper shipping name
 14.3 Transport hazard class(es)
 14.4 Packing group
 14.5 Environmental hazards
 Not regulated Not regulated Not regulated Not applicable

14.6 Special precautions for user

Special Provisions None

IMDG

14.1UN number or ID numberNot regulated14.2UN proper shipping nameNot regulated14.3Transport hazard class(es)Not regulated14.4Packing groupNot regulated

14.5 Marine pollutant NP14.6 Special precautions for user Special Provisions None

14.7 Maritime transport in bulk according to IMO instruments

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

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

14.1 UN number or ID number
 14.2 UN proper shipping name
 14.3 Transport hazard class(es)
 14.4 Packing group
 14.5 Environmental hazards
 Not regulated Not regulated Not regulated Not applicable

14.6 Special precautions for user 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

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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, Authorisation, 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 >=0.1% (Regulation (EC) No. 1907/2006 (REACH), Article 59)

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

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

#### 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 does not contain 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 above the level that triggers a labeling obligation under Regulation (EC) No 1272/2008. Therefore this product is not subject to prior informed consent notification.

## Dangerous substance category per Seveso Directive (2012/18/EU)

O1 - Substances or mixtures with hazard statement EUH014

## Ozone-depleting substances (ODS) Regulation (EU) 2024/590

Not applicable

#### **Persistent Organic Pollutants**

Not applicable

# REGULATION (EU) 2019/1148 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 20 June 2019 on the marketing and use of explosives precursors

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 any hazard and/or precautionary statements referred to under Sections 2-15

H302 - Harmful if swallowed

H304 - May be fatal if swallowed and enters airways

H314 - Causes severe skin burns and eye damage

H315 - Causes skin irritation

H317 - May cause an allergic skin reaction

H318 - Causes serious eye damage

H330 - Fatal if inhaled

H400 - Very toxic to aquatic life

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H410 - Very toxic to aquatic life with long lasting effects H412 - Harmful to aquatic life with long lasting effects

Legend

TWA TWA (time-weighted average)
STEL STEL (Short Term Exposure Limit)

Ceiling Ceiling Limit Value Sk\* Skin designation

SVHC Substance(s) of Very High Concern

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

ADR European Agreement concerning the International Carriage of Dangerous Goods by

Road

IMDG International Maritime Dangerous Goods (IMDG)
IATA International Air Transport Association (IATA)

RID Regulations concerning the International Transport of Dangerous Goods by Rail

#### Key literature references and sources for data

No information available

Prepared By Product Safety & Regulatory Affairs

Revision date 03-Jan-2025

Indication of changes

Revision Note Not applicable.

Training Advice No information available Further information No information available

## This SDS complies with the requirements of UK REACH Regulations SI 2019/758 (as amended)

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

**End of Safety Data Sheet** 

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