



# SAFETY DATA SHEET

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)

**SIROFLEX CONTACTRACTORS LMN SILICONE BLACK**  
Supersedes date 27-Mar-2023

Revision date 07-Jul-2025  
Revision Number 1.01

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

### 1.1. Product identifier

**Product Name** SIROFLEX CONTACTRACTORS LMN SILICONE BLACK  
**Pure substance/mixture** Mixture

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

**Recommended use** Sealant  
**Uses advised against** Consumer use  
**Reason why uses advised against** Restricted substance per REACH Annex XVII

### 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)

|   |                      |
|---|----------------------|
| <b>Eye irritation</b>                                   | Category 2 - (H319)  |
| <b>Skin sensitisation</b>                               | Category 1 - (H317)  |
| <b>Carcinogenicity</b>                                  | Category 1B - (H350) |
| <b>Specific target organ toxicity (single exposure)</b> | Category 2 - (H371)  |
| <b>Hazardous to the aquatic environment - chronic</b>   | Category 3 - (H412)  |

### 2.2. Label elements

Contains 2-Butanone, oxime; 3-aminopropyltriethoxysilane; 2-octyl-2H-isothiazol-3-one [OIT]

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**Signal word**  
Danger

## Hazard statements

H317 - May cause an allergic skin reaction.  
H319 - Causes serious eye irritation.  
H350 - May cause cancer.  
H371 - May cause damage to organs.  
H412 - Harmful to aquatic life with long lasting effects.

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

P201 - Obtain special instructions before use  
P260 - Do not breathe dust, fume, gas, mist, vapors and spray  
P280 - Wear protective gloves, protective clothing, eye protection and face protection  
P308 + P311 - IF exposed or concerned: Call a POISON CENTER or doctor  
P362 + P364 - Take off contaminated clothing and wash it before reuse  
P501 - Dispose of contents/ container to an approved waste disposal plant

## Special provisions concerning the labelling of certain mixtures

Restricted to professional users.

## Additional information

Restricted to professional users.

## 2.3. Other hazards

Small amounts of 2-butanone, oxime (CAS 96-29-7) are formed by hydrolysis and released upon curing. Small amounts of ethanol (CAS 64-17-5) are formed by hydrolysis and released upon curing. Causes mild skin irritation. 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-%  | REACH registration number | EC No. (Index No.)       | Classification according to Regulation (EC) No. 1272/2008 [CLP]    | Specific concentration limit (SCL) | M-Factor | M-Factor (long-term) | Notes |
|--|-----------|---------------------------|--------------------------|--|------------------------------------|----------|----------------------|-------|
| Hydrocarbons, C15-C20, n-alkanes, isoalkanes, cyclics, < 0.03% aromatics RR-100252-4 | >25 - <40 | 01-2119827000-58-XXXX     | 934-956-3                | Asp. Tox. 1 (H304)   | -                                  | -        | -                    | -     |
| 2-Butanone, oxime 96-29-7  | 1 - <2.5  | 01-2119539477-28-XXXX     | 202-496-6 (616-014-00-0) | Acute Tox. 3 (H301)<br>Acute Tox. 4 (H312)<br>Skin Irrit. 2 (H315) | -                                  | -        | -                    | -     |

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|   |                |                           |                             |   |                             |     |     |   |
|---|----------------|---------------------------|-----------------------------|---|-----------------------------|-----|-----|---|
|   |                |                           |                             | Skin Sens. 1 (H317)<br>Eye Dam. 1 (H318)<br>STOT SE 3 (H336)<br>STOT SE 1 (H370)<br>Carc. 1B (H350)<br>STOT RE 2 (H373)   |                             |     |     |   |
| 3-aminopropyltriethoxysilane<br>919-30-2        | 0.1- <1        | 01-2119480479<br>-24-XXXX | 213-048-4<br>(612-108-00-0) | Acute Tox. 4 (H302)<br>Skin Corr. 1B (H314)<br>Eye Dam. 1 (H318)<br>Skin Sens. 1 (H317)   | -                           | -   | -   | - |
| Octamethylcyclotetrasiloxane [D4]<br>556-67-2   | 0.05 - <0.1    | 01-2119529238<br>-36-XXXX | 209-136-7<br>(014-018-00-1) | Repr. 2 (H361f)<br>Aquatic Chronic 1 (H410)<br>Flam. Liq. 3 (H226) [G]  | -                           | -   | 10  | - |
| 2-octyl-2H-isothiazol-3-one [OIT]<br>26530-20-1 | 0.0025 - <0.01 | No data available         | 247-761-7<br>(613-112-00-5) | 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)<br>(EUH071) | Skin Sens. 1A :: C>=0.0015% | 100 | 100 | - |

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**

## 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. (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, C15-C20, n-alkanes, isoalkanes, cyclics, < 0.03% aromatics | 934-956-3                   | RR-100252-4 | -               | -                 | -   | -  | -                                    |
| 2-Butanone, oxime  | 202-496-6<br>(616-014-00-0) | 96-29-7     | 100+            | 1100+             | -   | -  | -                                    |
| 3-aminopropyltriethoxysilane   | 213-048-4<br>(612-108-00-0) | 919-30-2    | 1490            | -                 | -   | -  | -                                    |
| Octamethylcyclotetrasiloxane [D4]  | 209-136-7<br>(014-018-00-1) | 556-67-2    | -               | -                 | -   | -  | -                                    |
| 2-octyl-2H-isothiazol-3-one [OIT]  | 247-761-7<br>(613-112-00-5) | 26530-20-1  | 125+            | 311+              | 0.27+                                       | 0.27+                                    | 0.27+                                |

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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)

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

|   |   |
|---|---|
| <b>General advice</b>                     | Show this safety data sheet to the doctor in attendance. If medical advice is needed, have product container or label at hand.  |
| <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 with soap and water. May cause an allergic skin reaction. Wash off immediately with plenty of water for at least 15 minutes. If symptoms persist, call 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.                      |
| <b>Self-protection of the first aider</b> | Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8).   |

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

|                            |   |
|----------------------------|---|
| <b>Symptoms</b>            | None known.                                   |
| <b>Effects of Exposure</b> | May cause cancer. May cause damage to organs. |

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

|                        |                        |
|------------------------|------------------------|
| <b>Note to doctors</b> | Treat symptomatically. |
|------------------------|------------------------|

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

|                                       |   |
|---------------------------------------|---|
| <b>Suitable Extinguishing Media</b>   | Water spray, carbon dioxide (CO <sub>2</sub> ), dry chemical, alcohol-resistant foam. |
| <b>Unsuitable extinguishing media</b> | Full water jet.   |

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

|   |  |
|---|--|
| <b>Specific hazards arising from the chemical</b> | Thermal decomposition can lead to release of irritating gases and vapours.   |
| <b>Hazardous combustion products</b>              | 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

|   |   |
|---|---|
| <b>Special protective equipment and precautions for fire-fighters</b> | Wear self contained breathing apparatus for fire fighting if necessary. |
|---|---|

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## 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. |
| Other information        | Refer to protective measures listed in Sections 7 and 8.   |
| 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.                    |
| 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        | Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash it before reuse. |
| 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 2-butanone, oxime (CAS 96-29-7) are formed by hydrolysis and released upon curing Small amounts of ethanol (CAS 64-17-5) are formed by hydrolysis |
|-----------------|--|

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and released upon curing

| Chemical name  | European Union   | United Kingdom  |
|--|--|---|
| Hydrocarbons, C15-C20, n-alkanes, isoalkanes, cyclics,<br>< 0.03% aromatics<br>RR-100252-4 | TWA/8h<br>5mg/m <sup>3</sup><br>STEL/15 mins 10mg/m <sup>3</sup> | -   |
| Silica, amorphous<br>7631-86-9   | -  | TWA: 6 mg/m <sup>3</sup> ; inhalable dust<br>TWA: 2.4 mg/m <sup>3</sup> ; respirable dust<br>STEL: 18 mg/m <sup>3</sup> ; inhalable dust<br>STEL: 7.2 mg/m <sup>3</sup> ; respirable dust |
| Ethanol<br>64-17-5   | -  | TWA: 1000 ppm;<br>TWA: 1920 mg/m <sup>3</sup> ;<br>STEL: 3000 ppm;<br>STEL: 5760 mg/m <sup>3</sup> ;  |

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

| Derived No Effect Level (DNEL)                    |                |                                |               |
|---|----------------|--------------------------------|---------------|
| 2-Butanone, oxime (96-29-7)                       |                |                                |               |
| Type  | Exposure route | Derived No Effect Level (DNEL) | Safety factor |
| DNEL/DMEL<br>Long term<br>Systemic health effects | Inhalation     | 0.028 mg/m <sup>3</sup>        |               |
| Long term<br>Local health effects                 | Inhalation     | 0.9 mg/m <sup>3</sup>          |               |
| DNEL/DMEL<br>Long term<br>Systemic health effects | Dermal         | 0.004 mg/kg bw/d               |               |

| 3-aminopropyltriethoxysilane (919-30-2)         |                |                                |               |
|---|----------------|--------------------------------|---------------|
| Type  | Exposure route | Derived No Effect Level (DNEL) | Safety factor |
| worker<br>Long term<br>Systemic health effects  | Inhalation     | 59 mg/m <sup>3</sup>           |               |
| worker<br>Short term<br>Systemic health effects | Inhalation     | 59 mg/m <sup>3</sup>           |               |
| worker<br>Long term<br>Systemic health effects  | Dermal         | 8.3 mg/kg bw/d                 |               |
| worker<br>Short term<br>Systemic health effects | Dermal         | 8.3 mg/kg bw/d                 |               |

| Octamethylcyclotetrasiloxane [D4] (556-67-2)   |                |                                |               |
|--|----------------|--------------------------------|---------------|
| 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)       |                |                                |               |
|--------------------------------------|----------------|--------------------------------|---------------|
| 2-Butanone, oxime (96-29-7)          |                |                                |               |
| Type                                 | Exposure route | Derived No Effect Level (DNEL) | Safety factor |
| Long term<br>Systemic health effects | Inhalation     | 0.00482 mg/m <sup>3</sup>      |               |

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|                                   |        |                        |  |
|-----------------------------------|--------|------------------------|--|
| Long term<br>Local health effects | Dermal | 0.43 mg/m <sup>3</sup> |  |
|-----------------------------------|--------|------------------------|--|

| <b>3-aminopropyltriethoxysilane (919-30-2)</b>    |                |                                |               |
|---|----------------|--------------------------------|---------------|
| Type  | Exposure route | Derived No Effect Level (DNEL) | Safety factor |
| Consumer<br>Long term<br>Systemic health effects  | Inhalation     | 17 mg/m <sup>3</sup>           |               |
| Consumer<br>Short term<br>Systemic health effects | Inhalation     | 17.4 mg/m <sup>3</sup>         |               |
| Consumer<br>Long term<br>Systemic health effects  | Dermal         | 5 mg/kg bw/d                   |               |
| Consumer<br>Short term<br>Systemic health effects | Dermal         | 5 mg/kg bw/d                   |               |

| <b>Octamethylcyclotetrasiloxane [D4] (556-67-2)</b> |                |                                |               |
|---|----------------|--------------------------------|---------------|
| Type  | Exposure route | Derived No Effect Level (DNEL) | Safety factor |
| Consumer<br>Long term<br>Systemic health effects    | Inhalation     | 13 mg/m <sup>3</sup>           |               |
| Consumer<br>Long term<br>Systemic health effects    | Oral           | 3.7 mg/kg bw/d                 |               |

**Predicted No Effect Concentration (PNEC)** No information available.

| <b>Predicted No Effect Concentration (PNEC)</b> |  |
|---|--|
| <b>3-aminopropyltriethoxysilane (919-30-2)</b>  |  |
| Environmental compartment                       | Predicted No Effect Concentration (PNEC) |
| Freshwater                                      | 0.33 mg/l                                |
| Marine water                                    | 0.033 mg/l                               |

| <b>Octamethylcyclotetrasiloxane [D4] (556-67-2)</b> |  |
|---|--|
| 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.

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**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

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

|  |   |                                     |
|--|---|-------------------------------------|
| <b>Physical state</b>                          | Solid   |                                     |
| <b>Appearance</b>                              | Paste   |                                     |
| <b>Colour</b>                                  | See section 1 for more information              |                                     |
| <b>Odour</b>                                   | Characteristic.                                 |                                     |
| <b>Property</b>                                | <b>Values</b>                                   | <b>Remarks • Method</b>             |
| <b>Melting point / freezing point</b>          | No data available                               | None known                          |
| <b>Initial boiling point and boiling range</b> | No data available                               | None known                          |
| <b>Flammability</b>                            | No data available                               | None known                          |
| <b>Flammability Limit in Air</b>               |   | None known                          |
| <b>Upper flammability or explosive limits</b>  | No data available                               |                                     |
| <b>Lower flammability or explosive limits</b>  | No data available                               |                                     |
| <b>Flash point</b>                             | > 100 °C  |                                     |
| <b>Autoignition temperature</b>                | No data available                               | None known                          |
| <b>Decomposition temperature</b>               |   | None known                          |
| <b>pH</b>                                      | No data available                               | Not applicable. Insoluble in water. |
| <b>pH (as aqueous solution)</b>                | No data available                               | None known                          |
| <b>Kinematic viscosity</b>                     | > 21 mm <sup>2</sup> /s                         |                                     |
| <b>Dynamic viscosity</b>                       | No data available                               |                                     |
| <b>Water solubility</b>                        | Insoluble in water. Product cures with moisture |                                     |
| <b>Solubility(ies)</b>                         | No data available                               | None known                          |
| <b>Partition coefficient</b>                   | No data available                               | None known                          |
| <b>Vapour pressure</b>                         | No data available                               | None known                          |
| <b>Relative density</b>                        | No data available                               | None known                          |
| <b>Bulk density</b>                            | No data available                               |                                     |
| <b>Density</b>                                 | 0.96  |                                     |
| <b>Relative vapour density</b>                 | No data available                               | None known                          |
| <b>Particle characteristics</b>                |   |                                     |
| <b>Particle Size</b>                           | No information available                        |                                     |
| <b>Particle Size Distribution</b>              | 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.



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## 10.2. Chemical stability

**Stability** Stable under normal conditions.

### **Explosion data**

**Sensitivity to mechanical impact** None.

**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** 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** Small amounts of ethanol (CAS 64-17-5) 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** Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract.

**Eye contact** Specific test data for the substance or mixture is not available. Causes serious eye irritation. (based on components). May cause redness, itching, and pain.

**Skin contact** May cause sensitisation by skin contact. Specific test data for the substance or mixture is not available. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. (based on components). Prolonged contact may cause redness and irritation. Causes mild skin irritation.

**Ingestion** Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

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

**Symptoms** Itching. Rashes. Hives. May cause redness and tearing of the eyes. Prolonged contact may cause redness and irritation.

#### Acute toxicity

#### **Numerical measures of toxicity**

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The following ATE values have been calculated for the mixture

|                                      |                 |
|--------------------------------------|-----------------|
| <b>ATEmix (oral)</b>                 | 8,333.30 mg/kg  |
| <b>ATEmix (dermal)</b>               | 91,666.70 mg/kg |
| <b>ATEmix (inhalation-gas)</b>       | >20000 ppm      |
| <b>ATEmix (inhalation-dust/mist)</b> | >5 mg/l         |
| <b>ATEmix (inhalation-vapour)</b>    | >20 mg/l        |

## Component Information

| Chemical name  | Oral LD50  | Dermal LD50  | Inhalation LC50                                      |
|--|--|--|--|
| Hydrocarbons, C15-C20, n-alkanes, isoalkanes, cyclics, < 0.03% aromatics | LD50 > 5000 mg/kg (Rattus) OECD 401  | LD50 > 3160 mg/kg (Oryctolagus cuniculus) OECD 402         | LC50 Inhalation(4h) >5266 mg/m <sup>3</sup> (Rattus) |
| 2-Butanone, oxime  | =100 mg/kg (ATE)   | 1000 - 1800 mg/kg (Oryctolagus cuniculus)                  | >4.83 mg/L (Rattus) 4 h                              |
| 3-aminopropyltriethoxysilane   | LD50 = 1490 mg/kg (Rattus, female) EPA OTS 798.1175<br>LD50 = 2690 mg/kg (Rattus, male) EPA OTS 798.1175 | LD50 = 4076 mg/kg (Oryctolagus cuniculus) EPA OTS 798.1100 | LC50 >144 mg/L (6h) Rattus (Vapour)                  |
| 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** Classification based on data available for ingredients. Causes mild skin irritation.

| 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** Classification based on data available for ingredients. Causes serious eye irritation.

| 2-octyl-2H-isothiazol-3-one [OIT] (26530-20-1)    |         |                |                |               |            |
|---|---------|----------------|----------------|---------------|------------|
| Method  | Species | Exposure route | Effective dose | Exposure time | Results    |
| OECD Test No. 405: Acute Eye Irritation/Corrosion | Rabbit  | Corneal        |                |               | Eye Damage |

**Respiratory or skin sensitisation** May cause an allergic skin reaction.

| Octamethylcyclotetrasiloxane [D4] (556-67-2)   |            |                |             |
|--|------------|----------------|-------------|
| 2-octyl-2H-isothiazol-3-one [OIT] (26530-20-1) |            |                |             |
| Method   | Species    | Exposure route | Results     |
| GPMT - Guinea pig maximisation test            | Guinea pig | Dermal         | Sensitising |

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

**Carcinogenicity** Contains a known or suspected carcinogen. Classification based on data available for ingredients. May cause cancer.

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The table below indicates whether each agency has listed any ingredient as a carcinogen.

| Component Information  |         |              |
|--|---------|--------------|
| 2-Butanone, oxime (96-29-7)  |         |              |
| Method   | Species | Results      |
| OECD Test No. 453: Combined Chronic Toxicity/Carcinogenicity Studies | Rat     | Carcinogenic |

| Chemical name     | European Union |
|-------------------|----------------|
| 2-Butanone, oxime | Carc. 1B       |

**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        |

**STOT - single exposure** May cause damage to organs.

H371 - May cause damage to the following organs: upper respiratory tract.

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

### 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, C15-C20, n-alkanes, isoalkanes, cyclics, < 0.03% aromatics RR-100252-4 | EL50 (72h) >10,000 mg/L (Skeletonea costatum) ISO 10253 | LL50 (96h) > 1028 mg/L (Scophthalmus maximus) OECD 203              | -  | LL50 (48h) > 3193 mg/l (Acartia tonsa) |          |                      |
| 2-Butanone, oxime 96-29-7  | EC50: =83mg/L (72h, Desmodesmus subspicatus)            | LC50: =760mg/L (96h, Poecilia reticulata) LC50: 777 - 914mg/L (96h, | EC50 = 281 mg/L 17 h EC50 = 950 mg/L 5 min | EC50: =750mg/L (48h, Daphnia magna)    |          |                      |

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|   |   |   |   |  |     |     |
|---|---|---|---|--|-----|-----|
|   |   | Pimephales promelas) LC50: 320 - 1000mg/L (96h, Leuciscus idus)                       |   |  |     |     |
| 3-aminopropyltriethoxy silane<br>919-30-2       | EC50 (72h) >1000 mg/L Green algae (desmodesmus subspicatus) (OECD TG 201) | LC50 (96h) >934 mg/L (Brachydanio rerio) (OECD TG 203)                                | - | EC50 (48h) =331 mg/L Daphnia magna (OECD TG 202) |     |     |
| Octamethylcyclotetrasiloxane [D4]<br>556-67-2   | -   | LC50: >1000mg/L (96h, Lepomis macrochirus)<br>LC50: >500mg/L (96h, Brachydanio rerio) | - | EC50: =25.2mg/L (24h, Daphnia magna)             |     | 10  |
| 2-octyl-2H-isothiazol-3-one [OIT]<br>26530-20-1 | EC50(72h) = 0.084 mg/L (Scenedesmus subspicatus) (OECD 201)               | LC50 (96h) = 0.036 mg/L (Oncorhynchus mykiss) (OECD 203)                              | - | EC50 (48h) =0.42 mg/L (OECD 202)                 | 100 | 100 |

## 12.2. Persistence and degradability

**Persistence and degradability** No information available.

| 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 |
|-----------------------------------|-----------------------|
| 2-Butanone, oxime                 | 0.65                  |
| 3-aminopropyltriethoxysilane      | 1.7                   |
| Octamethylcyclotetrasiloxane [D4] | 6.49                  |
| 2-octyl-2H-isothiazol-3-one [OIT] | 2.92                  |

## 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% aromatics | Not PBT/vPvB            |
| 2-Butanone, oxime  | Not PBT/vPvB            |
| 3-aminopropyltriethoxysilane   | Not PBT/vPvB            |
| Octamethylcyclotetrasiloxane [D4]  | PBT & vPvB              |
| 2-octyl-2H-isothiazol-3-one [OIT]  | Not PBT/vPvB            |

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## 12.6. Endocrine disrupting properties

**Endocrine disrupting properties** Based on available data, the classification criteria are not met.

| 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

**Other adverse effects** No information available.  
**PMT or vPvM properties** Based on available data, the classification criteria are not met.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**Waste from residues/unused products** Dispose of contents/container in accordance with local, regional, national, and international regulations as applicable.

**Contaminated packaging** Handle contaminated packages in the same way as the product itself.

**European Waste Catalogue** 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

### Land transport (ADR/RID)

14.1 UN number or ID number Not regulated  
14.2 UN 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 precautions for user  
Special Provisions None

### IMDG

14.1 UN number or ID number Not regulated  
14.2 UN 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 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)

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|                                   |                |
|-----------------------------------|----------------|
| 14.1 UN number or ID number       | Not regulated  |
| 14.2 UN 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 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

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  $\geq 0.1\%$  (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 |
|-------------------|---------|---|
| 2-Butanone, oxime | 96-29-7 | 75<br>28                                  |

**28** . Reserved for industrial and professional use.

##### **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)

##### **Biocidal Products Regulation (EU) No 528/2012 (BPR)**

This product contains a biocidal product for the preservation of the dry film Contains a biocide : Contains OIT. May produce an allergic reaction

##### **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.

##### **Ozone-depleting substances (ODS) regulation (EC) 2024/590**

Not applicable

##### **Persistent Organic Pollutants**

Not applicable

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**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

**Regulations on drug precursors (EC) No 111/2005 (export) and 273/2004 (internal trade)**  
This product does not contain any substance(s) on the Drug Precursors list.

## 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

H226 - Flammable liquid and vapour  
H301 - Toxic if swallowed  
H302 - Harmful if swallowed  
H304 - May be fatal if swallowed and enters airways  
H311 - Toxic in contact with skin  
H312 - Harmful in contact with skin  
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  
H336 - May cause drowsiness or dizziness  
H350 - May cause cancer  
H361f - Suspected of damaging fertility  
H370 - Causes damage to organs  
H373 - May cause damage to organs through prolonged or repeated exposure  
H400 - Very toxic to aquatic life  
H410 - Very toxic 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

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|                                     |                                     |
|-------------------------------------|-------------------------------------|
| <b>Prepared By</b>                  | Product Safety & Regulatory Affairs |
| <b>Revision date</b>                | 07-Jul-2025                         |
| <b><u>Indication of changes</u></b> |                                     |

|                            |                          |
|----------------------------|--------------------------|
| <b>Revision Note</b>       | Not applicable.          |
| <b>Training Advice</b>     | No information available |
| <b>Further information</b> | 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**