

**SEALCRETE LINE MARKING PAINT RED**  
 Supersedes Date: 13-Oct-2017

 Revision date 20-Jan-2021  
 Revision Number 2

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

### 1.1. Product Identifier

**Product Name** SEALCRETE LINE MARKING PAINT RED  
**Pure substance/mixture** Mixture

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

**Recommended use** Adhesive.  
**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

**United Kingdom** +44 (1785) 272650  
**Ireland** +353 (1) 8624900 (Monday- Friday 9am-5pm)

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

|   |                           |
|---|---------------------------|
| <b>Serious eye damage/eye irritation</b>                | Category 2 - (H319)       |
| <b>Specific target organ toxicity (single exposure)</b> | Category 3 - (H336)       |
| <b>Chronic aquatic toxicity</b>                         | Category 3 - (H412)       |
| <b>aerosols</b>   | Category 1 - (H222, H229) |

### 2.2. Label Elements

Contains: Acetone, Solvent naphtha, petroleum, light aromatic, n-Butyl acetate, Benzene, 1,2,4-trimethyl-



**Signal word**  
 Danger

#### Hazard statements

H319 - Causes serious eye irritation.  
 H336 - May cause drowsiness or dizziness.  
 H412 - Harmful to aquatic life with long lasting effects.

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H222 - Extremely flammable aerosol.  
H229 - Pressurised container: May burst if heated.

## EU Specific Hazard Statements

EUH066 - Repeated exposure may cause skin dryness or cracking  
EUH211 - Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist

## Precautionary statements

P101 - If medical advice is needed, have product container or label at hand.  
P102 - Keep out of reach of children.  
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P211 - Do not spray on an open flame or other ignition source.  
P251 - Do not pierce or burn, even after use.  
P264 - Wash face, hands and any exposed skin thoroughly after handling.  
P271 - Use only outdoors or in a well-ventilated area.  
P405 - Store locked up.  
P410 + P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.  
P501 - Dispose of contents/ container to an approved waste disposal plant.

## 2.3. Other Hazards

No information available

## PBT & vPvB

This mixture contains no substance considered to be persistent, bioaccumulating or toxic (PBT). This mixture contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

Not applicable

### 3.2 Mixtures

| Chemical name                                      | EC No.    | CAS No     | Weight-%  | Classification according to Regulation (EC) No. 1272/2008 [CLP]   | Specific concentration limit (SCL) | REACH Registration Number |
|--|-----------|------------|-----------|---|------------------------------------|---------------------------|
| Petroleum gases, liquefied <0.1% w/w 1,3 Butadiene | 270-704-2 | 68476-85-7 | >25 - <40 | Flam. Gas 1 (H220)<br>Press. Gas (H280)   |                                    | --                        |
| Acetone  | 200-662-2 | 67-64-1    | >25 - <40 | Eye Irrit. 2 (H319)<br>(EUH066)<br>STOT SE 3 (H336)<br>Flam. Liq. 2 (H225)  |                                    | 01-2119471330-49-XXXX     |
| Solvent naphtha, petroleum, light aromatic         | 265-199-0 | 64742-95-6 | 5 - <10   | STOT SE 3 (H335)<br>STOT SE 3 (H336)<br>Asp. Tox. 1 (H304)<br>Aquatic Chronic 2 (H411)<br>(EUH066)<br>Flam. Liq. 2 (H225) |                                    | 01-2119486773-24-XXXX     |

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|                           |           |            |          |   |                     |                       |
|---------------------------|-----------|------------|----------|---|---------------------|-----------------------|
| Titanium dioxide          | 236-675-5 | 13463-67-7 | 1 - <5   | Carc. 2 (H351i)   |                     | 01-2119489379-17-XXXX |
| n-Butyl acetate           | 204-658-1 | 123-86-4   | 1 - <5   | (EUH066)<br>STOT SE 3 (H336)<br>Flam. Liq. 3 (H226)   |                     | 01-2119485493-29-XXXX |
| Benzene, 1,2,4-trimethyl- | 202-436-9 | 95-63-6    | 1 - <5   | Acute Tox. 4 (H332)<br>Skin Irrit. 2 (H315)<br>Eye Irrit. 2 (H319)<br>STOT SE 3 (H335)<br>Aquatic Chronic 2 (H411)<br>Flam. Liq. 3 (H226) |                     | 01-2119472135-42-XXXX |
| Cumene                    | 202-704-5 | 98-82-8    | 0.1 - <1 | STOT SE 3 (H335)<br>Asp. Tox. 1 (H304)<br>Aquatic Chronic 2 (H411)<br>Flam. Liq. 3 (H226)   |                     | --                    |
| 1,3,5-Trimethylbenzene    | 203-604-4 | 108-67-8   | 0.1 - <1 | STOT SE 3 (H335)<br>Aquatic Chronic 2 (H411)<br>Flam. Liq. 3 (H226)   | STOT SE 3 :: C>=25% | 01-2119463878-19-XXXX |

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

Note: ^ indicates not classified, however, the substance is listed in section 3 as it has an OEL

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.  |
| <b>Inhalation</b>                         | IF exposed or concerned: Get medical advice/attention. Remove to fresh air.   |
| <b>Eye contact</b>                        | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area. Get medical attention if irritation develops and persists. |
| <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>                          | Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a doctor.  |
| <b>Self-protection of the first aider</b> | Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section   |

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8).

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

**Symptoms** May cause redness and tearing of the eyes. Burning sensation. Inhalation of high vapour concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting. Prolonged contact may cause redness and irritation.

## 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

**Suitable extinguishing media** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable extinguishing media** Full water jet. Do not scatter spilled material with high pressure water streams.

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

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

**Hazardous combustion products** Carbon oxides. Carbon dioxide (CO<sub>2</sub>).

### 5.3. Advice for firefighters

**Special protective equipment for fire-fighters** Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

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

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

**Personal precautions** Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.

**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** Do not flush into surface water or sanitary sewer system. 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** Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal.

**Methods for cleaning up** Take up mechanically, placing in appropriate containers for disposal.

### 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**

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## 7.1. Precautions for safe handling

**Advice on safe handling** Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Handle in accordance with good industrial hygiene and safety practice. Provide a good standard of controlled ventilation (10 to 15 air changes per hour). Avoid breathing vapours or mists. In case of insufficient ventilation, wear suitable respiratory equipment.

**General hygiene considerations** Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product.

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

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place.

## 7.3. Specific end use(s)

**Specific Use(s)**  
Adhesive.

**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

| Chemical name  | European Union  | Ireland   | United Kingdom  |
|--|---|---|---|
| Petroleum gases, liquefied <0.1% w/w 1,3 Butadiene<br>68476-85-7 | -   | -   | TWA: 1000 ppm<br>TWA: 1750 mg/m <sup>3</sup><br>STEL: 1250 ppm<br>STEL: 2180 mg/m <sup>3</sup>                    |
| Acetone<br>67-64-1   | TWA: 500 ppm<br>TWA: 1210 mg/m <sup>3</sup>   | TWA: 500 ppm<br>TWA: 1210 mg/m <sup>3</sup><br>STEL: 1500 ppm<br>STEL: 3630 mg/m <sup>3</sup>                     | TWA: 500 ppm<br>TWA: 1210 mg/m <sup>3</sup><br>STEL: 1500 ppm<br>STEL: 3620 mg/m <sup>3</sup>                     |
| Solvent naphtha, petroleum, light aromatic<br>64742-95-6         | -   | -   | TWA: 25 ppm<br>120 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> |
| n-Butyl acetate<br>123-86-4                                      | TWA: 50 ppm<br>TWA: 241 mg/m <sup>3</sup><br>STEL: 150 ppm<br>STEL: 723 mg/m <sup>3</sup>   | TWA: 150 ppm<br>TWA: 710 mg/m <sup>3</sup><br>STEL: 200 ppm<br>STEL: 950 mg/m <sup>3</sup>                        | TWA: 150 ppm<br>TWA: 724 mg/m <sup>3</sup><br>STEL: 200 ppm<br>STEL: 966 mg/m <sup>3</sup>                        |
| Benzene, 1,2,4-trimethyl-<br>95-63-6                             | TWA: 20 ppm<br>TWA: 100 mg/m <sup>3</sup>   | TWA: 20 ppm<br>TWA: 100 mg/m <sup>3</sup><br>STEL: 60 ppm<br>STEL: 300 mg/m <sup>3</sup>                          | -   |
| Cumene<br>98-82-8  | TWA: 20 ppm<br>TWA: 100 mg/m <sup>3</sup><br>STEL: 50 ppm<br>STEL: 250 mg/m <sup>3</sup><br>*<br>TWA: 50 mg/m <sup>3</sup> during exposure monitoring, account should be taken of relevant biological monitoring values as suggested by the Scientific Committee on | TWA: 20 ppm<br>TWA: 100 mg/m <sup>3</sup><br>STEL: 50 ppm<br>STEL: 250 mg/m <sup>3</sup><br>Sk*                   | TWA: 25 ppm<br>TWA: 125 mg/m <sup>3</sup><br>STEL: 50 ppm<br>STEL: 250 mg/m <sup>3</sup><br>Sk*                   |

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|------------------------------------|--|--|---|
|                                    | Occupational Exposure Limits for Chemicals Agents (SCOEL)<br>TWA: 10 ppm during exposure monitoring, account should be taken of relevant biological monitoring values as suggested by the Scientific Committee on Occupational Exposure Limits for Chemicals Agents (SCOEL)<br>STEL: 250 mg/m <sup>3</sup> during exposure monitoring, account should be taken of relevant biological monitoring values as suggested by the Scientific Committee on Occupational Exposure Limits for Chemicals Agents (SCOEL)<br>STEL: 50 ppm during exposure monitoring, account should be taken of relevant biological monitoring values as suggested by the Scientific Committee on Occupational Exposure Limits for Chemicals Agents (SCOEL)<br>* during exposure monitoring, account should be taken of relevant biological monitoring values as suggested by the Scientific Committee on Occupational Exposure Limits for Chemicals Agents (SCOEL) |  |   |
| 1,3,5-Trimethylbenzene<br>108-67-8 | TWA: 20 ppm<br>TWA: 100 mg/m <sup>3</sup>  | TWA: 20 ppm<br>TWA: 100 mg/m <sup>3</sup><br>STEL: 60 ppm<br>STEL: 300 mg/m <sup>3</sup> | - |

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

| <b>Derived No Effect Level (DNEL)</b>          |                |                                |               |
|--|----------------|--------------------------------|---------------|
| <b>Acetone (67-64-1)</b>                       |                |                                |               |
| Type   | Exposure route | Derived No Effect Level (DNEL) | Safety factor |
| Long term<br>Systemic health effects<br>worker | Dermal         | 186 mg/kg bw/d                 |               |
| Short term<br>Local health effects<br>worker   | Inhalation     | 2420 mg/m <sup>3</sup>         |               |
| Long term<br>Systemic health effects<br>worker | Inhalation     | 1210 mg/m <sup>3</sup>         |               |
| <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>n-Butyl acetate (123-86-4)</b>              |                |                                |               |
| Type   | Exposure route | Derived No Effect Level (DNEL) | Safety factor |
| worker<br>Long term<br>Systemic health effects | Inhalation     | 300 mg/m <sup>3</sup>          |               |

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|   |            |                       |  |
|---|------------|-----------------------|--|
| worker<br>Short term<br>Systemic health effects | Inhalation | 600 mg/m <sup>3</sup> |  |
| worker<br>Long term<br>Local health effects     | Inhalation | 300 mg/m <sup>3</sup> |  |
| worker<br>Short term<br>Local health effects    | Inhalation | 600 mg/m <sup>3</sup> |  |
| worker<br>Long term<br>Systemic health effects  | Dermal     | 11 mg/kg bw/d         |  |

| <b>Derived No Effect Level (DNEL)</b>            |                |                                |               |
|--|----------------|--------------------------------|---------------|
| <b>Acetone (67-64-1)</b>                         |                |                                |               |
| Type   | Exposure route | Derived No Effect Level (DNEL) | Safety factor |
| Consumer<br>Long term<br>Systemic health effects | Inhalation     | 200 mg/m <sup>3</sup>          |               |
| Consumer<br>Long term<br>Systemic health effects | Dermal         | 62 mg/kg bw/d                  |               |
| Consumer<br>Long term<br>Systemic health effects | Oral           | 62 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>n-Butyl acetate (123-86-4)</b>                 |                |                                |               |
|---|----------------|--------------------------------|---------------|
| Type  | Exposure route | Derived No Effect Level (DNEL) | Safety factor |
| Consumer<br>Long term<br>Systemic health effects  | Inhalation     | 35.7 mg/m <sup>3</sup>         |               |
| Consumer<br>Short term<br>Systemic health effects | Inhalation     | 300 mg/m <sup>3</sup>          |               |
| Consumer<br>Long term<br>Local health effects     | Inhalation     | 35.7 mg/m <sup>3</sup>         |               |
| Consumer<br>Short term<br>Local health effects    | Inhalation     | 300 mg/m <sup>3</sup>          |               |
| Consumer<br>Long term<br>Systemic health effects  | Dermal         | 6 mg/kg bw/d                   |               |
| Consumer<br>Short term<br>Systemic health effects | Dermal         | 6 mg/kg bw/d                   |               |
| Consumer<br>Long term<br>Systemic health effects  | Oral           | 2 mg/kg bw/d                   |               |

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

| <b>Predicted No Effect Concentration (PNEC)</b> |  |
|---|--|
| <b>Acetone (67-64-1)</b>                        |  |
| Environmental compartment                       | Predicted No Effect Concentration (PNEC) |
| Freshwater                                      | 10.6 mg/l                                |
| Freshwater - intermittent                       | 21 mg/l                                  |
| Marine water                                    | 1.06 mg/l                                |
| Microorganisms in sewage treatment              | 100 mg/l                                 |
| Freshwater sediment                             | 30.4 mg/kg dry weight                    |
| Marine water                                    | 3.04 mg/kg dry weight                    |
| Soil  | 29.5 mg/kg dry weight                    |

| <b>Titanium dioxide (13463-67-7)</b> |  |
|--------------------------------------|--|
| 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                               |

| <b>n-Butyl acetate (123-86-4)</b> |  |
|-----------------------------------|--|
| Environmental compartment         | Predicted No Effect Concentration (PNEC) |
| Freshwater                        | 0.18 mg/l                                |
| Marine water                      | 0.018 mg/l                               |
| Freshwater - intermittent         | 0.36 mg/l                                |
| Sewage treatment plant            | 35.6 mg/l                                |
| Freshwater sediment               | 0.981 mg/l                               |
| Marine sediment                   | 0.0981 mg/l                              |
| Soil                              | 0.0903 mg/l                              |

## **8.2. Exposure controls**

**Engineering controls** Ensure adequate ventilation, especially in confined areas. Vapours/aerosols must be exhausted directly at the point of origin.

### **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. Glove thickness > 0.7mm. Butyl rubber. Nitrile rubber. 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** Wear appropriate personal protective clothing to prevent skin contact.

**Respiratory protection** Ensure adequate respiratory protection during spray applications. In case of insufficient ventilation, wear suitable respiratory equipment.

**Recommended filter type:** Organic gases and vapours filter conforming to EN 14387. Wear a respirator conforming to EN 140 with Type A filter or better.

**Environmental exposure controls** Do not allow into any sewer, on the ground or into any body of water.

## **SECTION 9: Physical and chemical properties**

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

**Physical state** Aerosol  
**Appearance** Aerosol  
**Colour** Red  
**Odour** Solvent



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|  |                          |                         |
|--|--------------------------|-------------------------|
| Odour threshold                        | No information available |                         |
| <b>Property</b>                        | <b>Values</b>            | <b>Remarks • Method</b> |
| pH                                     | No data available        |                         |
| Melting point / freezing point         | No data available        |                         |
| Boiling point / boiling range          | Not applicable, Aerosol  | Not applicable, Aerosol |
| Flash point                            | Not applicable, Aerosol  | Not applicable, Aerosol |
| Evaporation rate                       | No data available        |                         |
| Flammability (solid, gas)              | No data available        |                         |
| Flammability Limit in Air              |                          |                         |
| Upper flammability or explosive limits | 9.5                      |                         |
| Lower flammability or explosive limits | 1.8                      |                         |
| Vapour pressure                        | No data available        |                         |
| Relative vapour density                | No data available        |                         |
| Relative density                       | No data available        |                         |
| Water solubility                       | No data available        |                         |
| Solubility(ies)                        | No data available        |                         |
| Partition coefficient                  | No data available        |                         |
| Autoignition temperature               | 410 °C                   |                         |
| Decomposition temperature              | No data available        |                         |
| Kinematic viscosity                    | No data available        |                         |
| Dynamic viscosity                      | No data available        |                         |
| Explosive properties                   | No data available        |                         |
| Oxidising properties                   | No data available        |                         |

## 9.2. Other information

|                   |                          |
|-------------------|--------------------------|
| Solid content (%) | No information available |
| VOC Content (%)   | 690 g/L                  |
| Density           | No information available |

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

### 10.1. Reactivity

Reactivity No information available.

### 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 None known based on information supplied.

### 10.5. Incompatible materials

Incompatible materials None known based on information supplied.

### 10.6. Hazardous decomposition products

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**Hazardous decomposition products** None under normal use conditions. Thermal decomposition can lead to release of irritating and toxic gases and vapours.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Information on likely routes of exposure

##### Product Information

|                     |  |
|---------------------|--|
| <b>Inhalation</b>   | Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract. May cause drowsiness or dizziness.                          |
| <b>Eye contact</b>  | Specific test data for the substance or mixture is not available. Causes serious eye irritation. (based on components). May cause redness, itching, and pain.            |
| <b>Skin contact</b> | May cause irritation. Prolonged contact may cause redness and irritation. Specific test data for the substance or mixture is not available. Causes mild skin irritation. |
| <b>Ingestion</b>    | 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** May cause redness and tearing of the eyes. Inhalation of high vapour concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting. Prolonged contact may cause redness and irritation.

#### Numerical measures of toxicity

##### Acute toxicity

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

|                               |                 |
|-------------------------------|-----------------|
| ATEmix (dermal)               | 15,700.00 mg/kg |
| ATEmix (inhalation-dust/mist) | 27.40 mg/l      |

##### Component Information

| Chemical name   | Oral LD50             | Dermal LD50                              | Inhalation LC50  |
|---|-----------------------|--|--|
| Acetone<br>67-64-1  | =5800 mg/kg (Rattus)  | >15800 mg/Kg (Rattus)                    | =79 mg/l(Rattus) 4 h   |
| Solvent naphtha, petroleum,<br>light aromatic<br>64742-95-6 | =8400 mg/kg (Rattus)  | > 2000 mg/kg (Oryctolagus<br>cuniculus)  | =3400 ppm (Rattus) 4 h   |
| Titanium dioxide<br>13463-67-7                              | >10000 mg/kg (Rattus) | LD50 > 10000 mg/Kg                       | >5 mg/l  |
| n-Butyl acetate<br>123-86-4                                 | >10650 mg/kg (Rattus) | > 17600 mg/kg (Oryctolagus<br>cuniculus) | =390 ppm (Rattus) 4 h  |
| Benzene, 1,2,4-trimethyl-<br>95-63-6                        | =3280 mg/kg (Rattus)  | > 3160 mg/kg (Oryctolagus<br>cuniculus)  | =18 g/m <sup>3</sup> (Rattus) 4 h                                |
| Cumene<br>98-82-8   | =1400 mg/kg (Rattus)  | = 12300 µL/kg (Oryctolagus<br>cuniculus) | =39000 mg/m <sup>3</sup> (Rattus) 4 h ><br>3577 ppm (Rattus) 6 h |
| 1,3,5-Trimethylbenzene<br>108-67-8                          | =5000 mg/kg (Rattus)  |  | = 24 g/m <sup>3</sup> ( Rat ) 4 h                                |

#### 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. May cause skin irritation.

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| Component Information                                      |         |                |                |               |              |
|--|---------|----------------|----------------|---------------|--------------|
| Titanium dioxide (13463-67-7)                              |         |                |                |               |              |
| Method   | Species | Exposure route | Effective dose | Exposure time | Results      |
| OECD Test No. 404:<br>Acute Dermal<br>Irritation/Corrosion |         |                |                |               | Non-irritant |

**Serious eye damage/eye irritation** Classification based on data available for ingredients. Causes serious eye irritation.

**Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.

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

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

| Chemical name                  | European Union |
|--------------------------------|----------------|
| Titanium dioxide<br>13463-67-7 | Carc. 2        |

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

| Component Information         |         |                  |
|-------------------------------|---------|------------------|
| Titanium dioxide (13463-67-7) |         |                  |
| Method                        | Species | Results          |
| Oral                          | Rat     | Not Carcinogenic |

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

**STOT - single exposure** May cause drowsiness or dizziness.

**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.

## 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) |
|--|----------------------|--|-----------------------------|---|----------|----------------------|
| Acetone<br>67-64-1   | -                    | LC50 96 h 4.74<br>- 6.33 mL/L<br>(Oncorhynchus mykiss) | EC50 = 14500<br>mg/L 15 min | EC50 48 h<br>10294 - 17704<br>mg/L (Daphnia magna Static) |          |                      |
| Solvent naphtha,<br>petroleum, light<br>aromatic<br>64742-95-6 | -                    | LC50:<br>=9.22mg/L (96h,<br>Oncorhynchus mykiss)       | -                           | EC50 48 h = 3.2<br>mg/L (Daphnia magna)                   |          |                      |

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|   |   |   |  |  |  |  |
|---|---|---|--|--|--|--|
| Titanium dioxide<br>13463-67-7          | LC50 (96h)<br>>10000 mg/l<br>(Cyprinodon<br>variegatus)<br>OECD 203 | -   | -  | -  |  |  |
| n-Butyl acetate<br>123-86-4             | EC50:<br>=674.7mg/L<br>(72h,<br>Desmodesmus<br>subspicatus)         | LC50 96 h 17 -<br>19 mg/L<br>(Pimephales<br>promelas<br>flow-through)   | EC50 = 70.0<br>mg/L 5 min<br>EC50 = 82.2<br>mg/L 15 min<br>EC50 = 959<br>mg/L 18 h<br>EC50 = 98.9<br>mg/L 30 min | EC50 48 h = 44<br>mg/L (Daphnia<br>magna)  |  |  |
| Benzene,<br>1,2,4-trimethyl-<br>95-63-6 | -   | LC50: 7.19 -<br>8.28mg/L (96h,<br>Pimephales<br>promelas)   | -  | EC50:<br>=6.14mg/L (48h,<br>Daphnia magna)   |  |  |
| Cumene<br>98-82-8                       | EC50: =2.6mg/L<br>(72h,<br>Pseudokirchneri<br>ella subcapitata)     | LC50: =2.7mg/L<br>(96h,<br>Oncorhynchus<br>mykiss) LC50:<br>6.04 - 6.61mg/L<br>(96h,<br>Pimephales<br>promelas) LC50:<br>=5.1mg/L (96h,<br>Poecilia<br>reticulata) LC50:<br>=4.8mg/L (96h,<br>Oncorhynchus<br>mykiss) | EC50 = 0.89<br>mg/L 5 min<br>EC50 = 1.10<br>mg/L 15 min<br>EC50 = 1.48<br>mg/L 30 min<br>EC50 = 172<br>mg/L 24 h | EC50: 7.9 -<br>14.1mg/L (48h,<br>Daphnia magna)<br>EC50: =0.6mg/L<br>(48h, Daphnia<br>magna) |  |  |
| 1,3,5-Trimethylbenzene<br>108-67-8      | -   | LC50:<br>=3.48mg/L (96h,<br>Pimephales<br>promelas)   | -  | EC50: =50mg/L<br>(24h, Daphnia<br>magna)   |  |  |

## 12.2. Persistence and degradability

Persistence and degradability No information available.

| Component Information |               |                |                            |
|-----------------------|---------------|----------------|----------------------------|
| Acetone (67-64-1)     |               |                |                            |
| Method                | Exposure time | Value          | Results                    |
|                       | 28 days       | biodegradation | 91 % Readily biodegradable |

## 12.3. Bioaccumulative potential

Bioaccumulation There is no data for this product.

### Component Information

| Chemical name   | Partition coefficient | Bioconcentration factor (BCF) |
|---|-----------------------|-------------------------------|
| Petroleum gases, liquefied <0.1% w/w 1,3<br>Butadiene<br>68476-85-7 | 2.8                   | -                             |
| Acetone<br>67-64-1  | -0.24                 | 0.69                          |
| n-Butyl acetate<br>123-86-4   | 1.81                  | -                             |
| Benzene, 1,2,4-trimethyl-<br>95-63-6                                | 3.63                  | -                             |

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|                   |     |      |
|-------------------|-----|------|
| Cumene<br>98-82-8 | 3.7 | 35.5 |
|-------------------|-----|------|

## 12.4. Mobility in soil

Mobility in soil No information available.

## 12.5. Results of PBT and vPvB assessment

### PBT and vPvB assessment

| Chemical name  | PBT and vPvB assessment  |
|--|--|
| Petroleum gases, liquefied <0.1% w/w 1,3 Butadiene<br>68476-85-7 | The substance is not PBT / vPvB                                  |
| Acetone<br>67-64-1   | The substance is not PBT / vPvB                                  |
| Solvent naphtha, petroleum, light aromatic<br>64742-95-6         | The substance is not PBT / vPvB                                  |
| Titanium dioxide<br>13463-67-7                                   | The substance is not PBT / vPvB<br>PBT assessment does not apply |
| n-Butyl acetate<br>123-86-4                                      | The substance is not PBT / vPvB<br>PBT assessment does not apply |
| Benzene, 1,2,4-trimethyl-<br>95-63-6                             | The substance is not PBT / vPvB<br>PBT assessment does not apply |
| Cumene<br>98-82-8  | The substance is not PBT / vPvB                                  |
| 1,3,5-Trimethylbenzene<br>108-67-8                               | The substance is not PBT / vPvB                                  |

## 12.6. Other adverse effects

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>                                  | Do not reuse empty containers. Handle contaminated packages in the same way as the product itself.  |
| <b>Waste codes / waste designations according to EWC / AVV</b> | 16 05 05 gases in pressure containers other than those mentioned in 16 05 04. Waste codes should be assigned by the user based on the application for which the product was used. |
| <b>European Waste Catalogue</b>                                | 16 05 04* gases in pressure containers (including halons) containing dangerous substances<br>15 01 04 metallic packaging  |
| <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

**Note:** The shipping descriptions shown here are for bulk shipments only, and may not apply to shipments made in non-bulk packages (see regulatory definition). The information shown here, may not always agree with the bill of lading shipping description for the material.

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## Land transport (ADR/RID)

|                                 |                          |
|---------------------------------|--------------------------|
| 14.1 UN number or ID number     | UN1950                   |
| 14.2 Proper Shipping Name       | Aerosols                 |
| 14.3 Transport hazard class(es) | 2                        |
| Labels                          | 2.2                      |
| 14.4 Packing group              | Not regulated            |
| Description                     | UN1950, Aerosols, 2, (E) |
| 14.5 Environmental hazards      | Not applicable           |
| 14.6 Special Provisions         | 327, 625, 344, 190       |
| Classification code             | 5A                       |
| Tunnel restriction code         | (E)                      |
| Limited Quantity (LQ)           | 1 L                      |

## IMDG

|   |                                 |
|---|---------------------------------|
| 14.1 UN number or ID number   | UN1950                          |
| 14.2 Proper Shipping Name   | Aerosols                        |
| 14.3 Transport hazard class(es)   | 2.1                             |
| 14.4 Packing group  | Not regulated                   |
| Description   | UN1950, Aerosols, 2.1           |
| 14.5 Marine pollutant   | NP                              |
| 14.6 Special Provisions   | 63,190, 277, 327, 344, 381, 959 |
| Limited Quantity (LQ)   | See SP277                       |
| EmS-No  | F-D, S-U                        |
| 14.7 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     | UN1950                           |
| 14.2 Proper Shipping Name       | Aerosols, flammable              |
| 14.3 Transport hazard class(es) | 2.1                              |
| 14.4 Packing group              | Not regulated                    |
| Description                     | UN1950, Aerosols, flammable, 2.1 |
| 14.5 Environmental hazards      | Not applicable                   |
| 14.6 Special Provisions         | A145, A167, A802                 |
| Limited Quantity (LQ)           | 30 kg G                          |
| ERG Code                        | 10L                              |

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

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## 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)

| Chemical name   | Lower-tier requirements (tons) | Upper-tier requirements (tons) |
|---|--------------------------------|--------------------------------|
| Petroleum gases, liquefied <0.1% w/w 1,3 Butadiene - 68476-85-7 | 50                             | 200                            |

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

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

This product contains

| Chemical name     | Reporting of suspicious transactions, disappearances and thefts | Restricted |
|-------------------|---|------------|
| Acetone - 67-64-1 | X   |            |

## 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

EUH066 - Repeated exposure may cause skin dryness or cracking  
H220 - Extremely flammable gas  
H225 - Highly flammable liquid and vapour  
H226 - Flammable liquid and vapour  
H280 - Contains gas under pressure; may explode if heated  
H304 - May be fatal if swallowed and enters airways  
H315 - Causes skin irritation  
H319 - Causes serious eye irritation  
H332 - Harmful if inhaled  
H335 - May cause respiratory irritation  
H336 - May cause drowsiness or dizziness  
H411 - Toxic to aquatic life with long lasting effects

#### Legend

|         |  |
|---------|--|
| TWA     | TWA (time-weighted average)                            |
| STEL    | STEL (Short Term Exposure Limit)                       |
| Ceiling | Ceiling Limit Value                                    |
| *       | Skin designation                                       |
| SVHC    | Substance(s) of Very High Concern                      |
| PBT     | Persistent, Bioaccumulative, and Toxic (PBT) Chemicals |

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|         |   |
|---------|---|
| 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                                  |

## **Key literature references and sources for data**

No information available

**Prepared By** Product Safety & Regulatory Affairs

**Revision date** 20-Jan-2021

## **Indication of changes**

**Revision note** SDS sections updated, 2, 3, 7, 15.

**Training Advice** No information available

**Further information** No information available

**This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006**

## **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**