



# SAFETY DATA SHEET

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

**BOSTIK CEMPOLAY WOOD ADHESIVE**  
Supersedes Date: 15-Feb-2022

Revision date 09-Jan-2023  
Revision Number 3

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

### 1.1. Product identifier

Product Name BOSTIK CEMPOLAY WOOD ADHESIVE

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 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

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

|                                   |                     |
|-----------------------------------|---------------------|
| Serious eye damage/eye irritation | Category 2 - (H319) |
| Flammable liquids                 | Category 2 - (H225) |

### 2.2. Label elements



Signal word  
Danger

#### Hazard statements

H319 - Causes serious eye irritation.  
H225 - Highly flammable liquid and vapour.

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## EU Specific Hazard Statements

EUH066 - Repeated exposure may cause skin dryness or cracking

## 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  
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking  
P271 - Use only outdoors or in a well-ventilated area  
P280 - Wear protective gloves and eye/face protection  
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
P402 + P404 - Store in a dry place. Store in a closed container  
P501 - Dispose of contents/ container to an approved waste disposal plant

## Additional information

This product requires tactile warnings if supplied to the general public.

## 2.3. Other hazards

In use, may form flammable/explosive vapour-air mixture.

## 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 (EU Index No)         | CAS No      | Weight-%   | Classification according to Regulation (EC) No. 1272/2008 [CLP]            | Specific concentration limit (SCL)            | REACH registration number |
|--------------------------------|-----------------------------|-------------|------------|--|---|---------------------------|
| Ethanol                        | (603-002-00-5)<br>200-578-6 | 64-17-5     | 10 - <20   | Flam. Liq. 2 (H225)<br>Eye Irrit. 2 (H319)                                 | -   | 01-2119457610-43-XXXX     |
| Ethyl acetate                  | (607-022-00-5)<br>205-500-4 | 141-78-6    | 10 - <20   | Eye Irrit. 2 (H319)<br>STOT SE 3 (H336)<br>Flam. Liq. 2 (H225)<br>(EUH066) | -   | 01-2119475103-46-XXXX     |
| Naturally occurring substances | 310-127-6                   | 999999-99-4 | 1 - <5     | STOT RE 2 (H373)   | -   | [5]                       |
| Quartz (fine fraction)         | 238-878-4                   | 14808-60-7  | 0.1 - <1   | STOT RE 1 (H372)   | -   | [5]                       |
| Methyl alcohol                 | (603-001-00-X)<br>200-659-6 | 67-56-1     | 0.1 - <0.5 | Acute Tox. 3 (H301)<br>Acute Tox. 3 (H311)<br>Acute Tox. 3                 | STOT SE 1 :: C>=10%<br>STOT SE 2 :: 3%<=C<10% | 01-2119433307-44-XXXX     |

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|  |  |  |  |   |  |  |
|--|--|--|--|---|--|--|
|  |  |  |  | (H331)<br>STOT SE 1<br>(H370)<br>Flam. Liq. 2<br>(H225) |  |  |
|--|--|--|--|---|--|--|

NOTE [5] - This substance is exempted from registration according to the provisions of Article 2(7)(a) and Annex V of REACH

## **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>                         | Remove to fresh air.   |
| <b>Eye contact</b>                        | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.                            |
| <b>Skin contact</b>                       | Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.  |
| <b>Ingestion</b>                          | Rinse mouth. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a doctor.   |
| <b>Self-protection of the first aider</b> | Remove all sources of ignition. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Use personal protective equipment as required. See section 8 for more information. Avoid contact with skin, eyes or clothing. |

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

**Symptoms** May cause redness and tearing of the eyes. Burning sensation.

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

**Note to doctors** No information available.

## **SECTION 5: Firefighting measures**

### **5.1. Extinguishing media**

**Suitable Extinguishing Media** Dry chemical. Carbon dioxide (CO<sub>2</sub>). Water spray. Alcohol resistant foam.

**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** Risk of ignition. Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

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

### 5.3. Advice for firefighters

**Special protective equipment and precautions 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** Evacuate personnel to safe areas. Use personal protective equipment as required. See section 8 for more information. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Keep people away from and upwind of spill/leak. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Pay attention to flashback. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Do not touch or walk through spilled material.

**Other information** Ventilate the area. 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** Refer to protective measures listed in Sections 7 and 8. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

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

**Methods for containment** Stop leak if you can do it without risk. Do not touch or walk through spilled material. A vapour suppressing foam may be used to reduce vapours. Dyke far ahead of spill to collect run-off water. Keep out of drains, sewers, ditches and waterways. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

**Methods for cleaning up** Take precautionary measures against static discharges. Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labelled containers.

**Prevention of secondary hazards** Eliminate all ignition sources if safe to do so.

### 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** Use personal protection equipment. Avoid breathing vapours or mists. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use grounding and bonding connection when transferring this material to prevent static discharge, fire or explosion. Use with local exhaust ventilation. Use spark-proof tools and explosion-proof equipment. Keep in an area equipped with sprinklers. Use according to package label instructions. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product.

**General hygiene considerations** Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the

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product. Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection.

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

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep in properly labelled containers. Do not store near combustible materials. Keep in an area equipped with sprinklers. Store in accordance with the particular national regulations. Store in accordance with local regulations.

**Recommended storage temperature** Keep at temperatures between 5 and 25 °C.

## 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  | United Kingdom  |
|--------------------------------------|---|---|
| Limestone<br>1317-65-3               | -   | 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> |
| 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>                    |
| Ethyl acetate<br>141-78-6            | TWA: 734 mg/m <sup>3</sup><br>TWA: 200 ppm<br>STEL: 1468 mg/m <sup>3</sup><br>STEL: 400 ppm | TWA: 734 mg/m <sup>3</sup><br>TWA: 200 ppm<br>STEL: 1468 mg/m <sup>3</sup><br>STEL: 400 ppm                       |
| Quartz (fine fraction)<br>14808-60-7 | TWA: 0.1 mg/m <sup>3</sup>  | TWA: 0.1 mg/m <sup>3</sup><br>STEL: 0.3 mg/m <sup>3</sup>   |
| Methyl alcohol<br>67-56-1            | TWA: 200 ppm<br>TWA: 260 mg/m <sup>3</sup><br>*   | TWA: 200 ppm<br>TWA: 266 mg/m <sup>3</sup><br>STEL: 250 ppm<br>STEL: 333 mg/m <sup>3</sup><br>Sk*                 |

| Chemical name             | European Union | Ireland                                 | United Kingdom |
|---------------------------|----------------|---|----------------|
| Methyl alcohol<br>67-56-1 | -              | 15 mg/L (urine - Methanol end of shift) | -              |

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

#### Derived No Effect Level (DNEL)

##### Ethanol (64-17-5)

| Type   | Exposure route | Derived No Effect Level (DNEL) | Safety factor |
|--|----------------|--------------------------------|---------------|
| worker<br>Long term<br>Systemic health effects | Inhalation     | 950 mg/m <sup>3</sup>          |               |

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|--|--------|----------------|--|
| worker<br>Long term<br>Systemic health effects | Dermal | 343 mg/kg bw/d |  |
|--|--------|----------------|--|

| <b>Ethyl acetate (141-78-6)</b>                 |                |                                |               |
|---|----------------|--------------------------------|---------------|
| Type  | Exposure route | Derived No Effect Level (DNEL) | Safety factor |
| worker<br>Long term<br>Systemic health effects  | Dermal         | 63 mg/kg bw/d                  |               |
| worker<br>Short term<br>Systemic health effects | Inhalation     | 1468 mg/m <sup>3</sup>         |               |
| worker<br>Long term<br>Local health effects     | Inhalation     | 734 mg/m <sup>3</sup>          |               |
| worker<br>Short term<br>Local health effects    | Inhalation     | 1468 mg/m <sup>3</sup>         |               |
| worker<br>Long term<br>Systemic health effects  | Inhalation     | 734 mg/m <sup>3</sup>          |               |

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

| <b>Derived No Effect Level (DNEL)</b>            |                |                                |               |
|--|----------------|--------------------------------|---------------|
| <b>Ethanol (64-17-5)</b>                         |                |                                |               |
| Type   | Exposure route | Derived No Effect Level (DNEL) | Safety factor |
| Consumer<br>Long term<br>Systemic health effects | Inhalation     | 114 mg/m <sup>3</sup>          |               |
| Consumer<br>Long term<br>Systemic health effects | Dermal         | 206 mg/kg bw/d                 |               |
| Consumer<br>Long term<br>Systemic health effects | Oral           | 87 mg/kg bw/d                  |               |

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| <b>Ethyl acetate (141-78-6)</b>                   |                |                                |               |
|---|----------------|--------------------------------|---------------|
| Type  | Exposure route | Derived No Effect Level (DNEL) | Safety factor |
| Consumer<br>Long term<br>Systemic health effects  | Oral           | 4.5 mg/kg bw/d                 |               |
| Consumer<br>Long term<br>Systemic health effects  | Dermal         | 37 mg/kg bw/d                  |               |
| Consumer<br>Short term<br>Systemic health effects | Inhalation     | 734 mg/m <sup>3</sup>          |               |
| Consumer<br>Long term<br>Local health effects     | Inhalation     | 367 mg/m <sup>3</sup>          |               |
| Consumer<br>Short term<br>Local health effects    | Inhalation     | 734 mg/m <sup>3</sup>          |               |
| Consumer<br>Long term<br>Systemic health effects  | Inhalation     | 367 mg/m <sup>3</sup>          |               |

| <b>Quartz (fine fraction) (14808-60-7)</b>        |                |                                |               |
|---|----------------|--------------------------------|---------------|
| <b>Methyl alcohol (67-56-1)</b>                   |                |                                |               |
| Type  | Exposure route | Derived No Effect Level (DNEL) | Safety factor |
| Consumer<br>Short term<br>Systemic health effects | Dermal         | 8 mg/kg bw/d                   |               |
| Consumer<br>Short term<br>Systemic health effects | Oral           | 8 mg/kg bw/d                   |               |
| Consumer<br>Long term<br>Local health effects     | Inhalation     | 50 mg/m <sup>3</sup>           |               |
| Consumer<br>Long term<br>Systemic health effects  | Oral           | 8 mg/kg bw/d                   |               |
| Consumer<br>Long term<br>Systemic health effects  | Inhalation     | 50 mg/m <sup>3</sup>           |               |
| Consumer<br>Long term<br>Systemic health effects  | Dermal         | 50 mg/kg bw/d                  |               |

## Predicted No Effect Concentration (PNEC)

| <b>Predicted No Effect Concentration (PNEC)</b> |  |
|---|--|
| <b>Ethanol (64-17-5)</b>                        |  |
| Environmental compartment                       | Predicted No Effect Concentration (PNEC) |
| Freshwater                                      | 154 mg/l                                 |
| Marine water                                    | 15.4 mg/l                                |
| Sewage treatment plant                          | 100 mg/l                                 |

| <b>Ethyl acetate (141-78-6)</b> |  |
|---------------------------------|--|
| Environmental compartment       | Predicted No Effect Concentration (PNEC) |
| Freshwater                      | 0.26 mg/l                                |
| Marine water                    | 0.026 mg/l                               |
| Freshwater sediment             | 1.25 mg/kg                               |

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|                                    |             |
|------------------------------------|-------------|
| Marine sediment                    | 0.125 mg/kg |
| Soil                               | 0.24 mg/kg  |
| Microorganisms in sewage treatment | 650 mg/l    |

## Quartz (fine fraction) (14808-60-7)

### 8.2. Exposure controls

|  |  |
|--|--|
| <b>Engineering controls</b>            | Ensure adequate ventilation, especially in confined areas.   |
| <b>Personal protective equipment</b>   |  |
| <b>Eye/face protection</b>             | Tight sealing safety goggles. Eye protection must conform to standard EN 166.  |
| <b>Hand protection</b>                 | Wear protective gloves. Gloves must conform to standard EN 374. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves. The breakthrough time of the gloves depends on the material and the thickness as well as the temperature. |
| <b>Skin and body protection</b>        | Suitable protective clothing.  |
| <b>Respiratory protection</b>          | In case of inadequate ventilation wear respiratory protection. In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.   |
| <b>Recommended filter type:</b>        | Organic gases and vapours filter conforming to EN 14387.   |
| <b>Environmental exposure controls</b> | No information available.  |

## SECTION 9: Physical and chemical properties

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

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

| <u>Property</u>                         | <u>Values</u>                | <u>Remarks • Method</u>             |
|---|------------------------------|-------------------------------------|
| Melting point / freezing point          | No data available            | None known                          |
| Initial boiling point and boiling range | 76 °C                        |                                     |
| Flammability                            | Not applicable for liquids . | None known                          |
| Flammability Limit in Air               |                              | None known                          |
| Upper flammability or explosive limits  | 19                           |                                     |
| Lower flammability or explosive limits  | 3.5                          |                                     |
| Flash point                             | -4 °C                        | CC (closed cup)                     |
| Autoignition temperature                | No data available            | None known                          |
| Decomposition temperature               |                              | None known                          |
| pH                                      | No data available            | Not applicable. Insoluble in water. |
| pH (as aqueous solution)                | No data available            |                                     |
| Kinematic viscosity                     | No data available            | None known                          |
| Dynamic viscosity                       | No data available            |                                     |
| Water solubility                        | No data available.           | None known                          |
| Solubility(ies)                         | No data available            | None known                          |
| Partition coefficient                   | No data available            | None known                          |
| Vapour pressure                         | No data available            | None known                          |
| Relative density                        | No data available            | None known                          |
| Bulk Density                            | No data available            |                                     |
| Liquid Density                          | 1.5                          |                                     |
| 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



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**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** No information available.

### 10.2. Chemical stability

**Stability** Stable under normal conditions.

### Explosion data

**Sensitivity to mechanical impact** None.

**Sensitivity to static discharge** Yes.

### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** None under normal processing.

### 10.4. Conditions to avoid

**Conditions to avoid** Heat, flames and sparks.

### 10.5. Incompatible materials

**Incompatible materials** None known based on information supplied.

### 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** 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** Specific test data for the substance or mixture is not available. May cause irritation. Prolonged contact may cause redness and irritation.

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

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

**Symptoms** May cause redness and tearing of the eyes.

## Acute toxicity

### Numerical measures of toxicity

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

|                               |                 |
|-------------------------------|-----------------|
| ATEmix (oral)                 | 31,604.60 mg/kg |
| ATEmix (dermal)               | 75,654.00 mg/kg |
| ATEmix (inhalation-dust/mist) | 126.342 mg/l    |
| ATEmix (inhalation-vapour)    | 756.50 mg/l     |

### Component Information

| Chemical name          | Oral LD50                               | Dermal LD50  | Inhalation LC50                                     |
|------------------------|---|--|---|
| Ethanol                | 6200 - 15000 mg/kg (Rattus)<br>OECD 401 | -  | =124.7 mg/L (Rattus) 4 h                            |
| Ethyl acetate          | =5620 mg/kg (Rattus)                    | > 18000 mg/kg (Oryctolagus<br>cuniculus) > 20 mL/kg<br>(Oryctolagus cuniculus) | LC0 29.3 mg/l air                                   |
| Quartz (fine fraction) | >2000 mg/kg (Rattus)                    | -  | -   |
| Methyl alcohol         | =2500 mg/kg (Rattus)                    | 200-1000 mg/kg (Oryctolagus<br>cuniculus)                                      | =22500 ppm (Rattus) 8 h =<br>64000 ppm (Rattus) 4 h |

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

**Skin corrosion/irritation** May cause skin irritation.

**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.

Ethyl acetate (141-78-6)

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

**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.

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

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

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**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

| Chemical name             | Algae/aquatic plants   | Fish  | Toxicity to microorganisms   | Crustacea                                       | M-Factor | M-Factor (long-term) |
|---------------------------|--|---|--|---|----------|----------------------|
| Ethanol<br>64-17-5        | EC50 72hr 12.9 g/l (Selenastrum capricornutum)<br>NOEC 3.24 g/l (Skeletonema costatum) | LC50: >100mg/L (96h, Pimephales promelas)   | EC50 = 34634 mg/L 30 min<br>EC50 = 35470 mg/L 5 min  | LC50: (48h, Daphnia magna)<br>EC50: =12.34 mg/L |          |                      |
| Ethyl acetate<br>141-78-6 | EC50: =3300mg/L (48h, Desmodesmus subspicatus)   | LC50: =484mg/L (96h, Oncorhynchus mykiss)<br>LC50: 352 - 500mg/L (96h, Oncorhynchus mykiss)<br>LC50: 220 - 250mg/L (96h, Pimephales promelas) | EC50 = 1180 mg/L 5 min<br>EC50 = 1500 mg/L 15 min<br>EC50 = 5870 mg/L 15 min<br>EC50 = 7400 mg/L 2 h | EC50: =560mg/L (48h, Daphnia magna)             |          |                      |
| Methyl alcohol<br>67-56-1 | -  | LC50 96 h > 100 mg/L (Pimephales promelas static)   | EC50 = 39000 mg/L 25 min<br>EC50 = 40000 mg/L 15 min<br>EC50 = 43000 mg/L 5 min                      | -   |          |                      |

### 12.2. Persistence and degradability

**Persistence and degradability** No information available.

### 12.3. Bioaccumulative potential

#### Bioaccumulation

#### Component Information

| Chemical name  | Partition coefficient |
|----------------|-----------------------|
| Ethanol        | -0.35                 |
| Ethyl acetate  | 0.73                  |
| Methyl alcohol | -0.77                 |

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## 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 does not contain any substance(s) classified as PBT or vPvB above the threshold of declaration.

| Chemical name  | PBT and vPvB assessment  |
|----------------|--|
| Ethanol        | The substance is not PBT / vPvB PBT assessment does not apply  |
| Ethyl acetate  | The substance is not PBT / vPvB PBT assessment does not apply  |
| Methyl alcohol | The substance is not PBT / vPvB PBT assessment does not apply Further information relevant for the PBT assessment is necessary |

## 12.6. Endocrine disrupting properties

**Endocrine disrupting properties** No information available.

## 12.7. Other adverse effects

No information available.

## **SECTION 13: Disposal considerations**

### 13.1. Waste treatment methods

**Waste from residues/unused products** Should not be released into the environment. Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

**Contaminated packaging** Empty containers pose a potential fire and explosion hazard. Do not cut, puncture or weld containers.

**European Waste Catalogue** 08 04 09\* waste adhesives and sealants containing organic solvents or other dangerous substances  
15 01 10\*: Packaging containing residues of or contaminated by 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:** 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.

### Land transport (ADR/RID)

**14.1 UN number or ID number** UN1133  
**14.2 Proper Shipping Name** Adhesives  
**14.3 Transport hazard class(es)** 3  
**Labels** 3  
**14.4 Packing group** II  
**Description** UN1133, Adhesives, 3, II, (D/E)  
**14.5 Environmental hazards** Not applicable

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**14.6 Special Provisions** 640D  
**Classification code** F1  
**Tunnel restriction code** (D/E)  
**Limited quantity (LQ)** 5 L  
**ADR Hazard Id (Kemmler Number)** 33

## IMDG

**14.1 UN number or ID number** UN1133  
**14.2 Proper Shipping Name** Adhesives  
**14.3 Transport hazard class(es)** 3  
**14.4 Packing group** II  
**Description** UN1133, Adhesives, 3, II, (-4°C c.c.)  
**14.5 Marine pollutant** NP  
**14.6 Special Provisions** None  
**Limited Quantity (LQ)** 5 L  
**EmS-No** F-E, S-D  
**14.7 Maritime transport in bulk according to IMO instruments** Not applicable

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

**14.1 UN number or ID number** UN1133  
**14.2 Proper Shipping Name** Adhesives  
**14.3 Transport hazard class(es)** 3  
**14.4 Packing group** II  
**Description** UN1133, Adhesives, 3, II  
**14.5 Environmental hazards** Not applicable  
**14.6 Special Provisions** A3  
**Limited quantity (LQ)** 1 L  
**ERG Code** 3L

## **Section 15: REGULATORY INFORMATION**

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

#### European Union

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

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

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

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

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

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

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

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

| Chemical name  | CAS No  | Restricted substance per REACH Annex XVII |
|----------------|---------|---|
| Methyl alcohol | 67-56-1 | 69.<br>75.                                |

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

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

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

P5a - FLAMMABLE LIQUIDS

P5b - FLAMMABLE LIQUIDS

P5c - FLAMMABLE LIQUIDS

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

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

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

Not applicable

## Persistent Organic Pollutants

Not applicable

## National regulations

### 15.2. Chemical safety assessment

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

## SECTION 16: Other information

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

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

EUH066 - Repeated exposure may cause skin dryness or cracking

H225 - Highly flammable liquid and vapour

H301 - Toxic if swallowed

H311 - Toxic in contact with skin

H319 - Causes serious eye irritation

H331 - Toxic if inhaled

H336 - May cause drowsiness or dizziness

H370 - Causes damage to organs

H372 - Causes damage to organs through prolonged or repeated exposure

H373 - May cause damage to organs through prolonged or repeated exposure

#### 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                              |
| 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       |

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## Key literature references and sources for data

No information available

**Prepared By** Product Safety & Regulatory Affairs

**Revision date** 09-Jan-2023

## Indication of changes

**Revision note** SDS sections updated, 2.

**Training Advice** Provide adequate information, instruction, and training for operator

**Further information** No information available

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

### Disclaimer

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

**End of Safety Data Sheet**