



# SAFETY DATA SHEET

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

**EVO-STIK IMPACT ADHESIVE**  
Supersedes Date: 20-Feb-2023

Revision date 01-Nov-2023  
Revision Number 4

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

### 1.1. Product identifier

Product Name EVO-STIK IMPACT ADHESIVE

### Other means of identification

Pure substance/mixture Mixture

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

Recommended use Adhesives

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

Emergency Telephone  
Ireland

#### NPIC - National Poison Information Centre

Members of the Public: +353 (01) 8092166 (8.00 am to 10.00 pm - 7 days a week)  
Healthcare Professionals: +353 (01) 8092566 (24 hour service)  
Bostik: +44 (1785) 272650 (9am to 5pm Mon-Fri)  
112

United Kingdom  
Europe

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

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

|  |                     |
|--|---------------------|
| Skin corrosion/irritation                        | Category 2 - (H315) |
| Serious eye damage/eye irritation                | Category 2 - (H319) |
| Skin sensitisation                               | Category 1 - (H317) |
| Specific target organ toxicity — single exposure | Category 3 - (H336) |
| Category 3 Narcotic effects                      |                     |
| Chronic aquatic toxicity                         | Category 2 - (H411) |
| Flammable liquids                                | Category 2 - (H225) |

### 2.2. Label elements

Contains Acetone; Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics; Methyl ethyl ketone; Ethyl acetate

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**Signal word**  
Danger

#### Hazard statements

H315 - Causes skin irritation  
H317 - May cause an allergic skin reaction  
H319 - Causes serious eye irritation  
H336 - May cause drowsiness or dizziness  
H411 - Toxic to aquatic life with long lasting effects  
H225 - Highly flammable liquid and vapour

#### 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  
P261 - Avoid breathing vapours  
P271 - Use only outdoors or in a well-ventilated area  
P273 - Avoid release to the environment  
P280 - Wear protective gloves and eye/face protection  
P391 - Collect spillage  
P403 + P235 - Store in a well-ventilated place. Keep cool  
P405 - Store locked up  
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).

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

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

Not applicable

### 3.2 Mixtures

| Chemical name | EC No (EU Index No). | CAS No.. | Classification according to Regulation (EC) No. 1272/2008 [CLP] | Specific concentration limit (SCL) | M-Factor | M-Factor (long-term) | REACH registration number |
|---------------|----------------------|----------|---|------------------------------------|----------|----------------------|---------------------------|
|               |                      |          |   |                                    |          |                      |                           |

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|  |                             |             |  |   |   |   |                       |
|--|-----------------------------|-------------|--|---|---|---|-----------------------|
| Acetone<br>10 - <20 %  | (606-001-00-8)<br>200-662-2 | 67-64-1     | Eye Irrit. 2 (H319)<br>(EUH066)<br>STOT SE 3 (H336)<br>Flam. Liq. 2 (H225)   | - | - | - | 01-2119471330-49-XXXX |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics<br>10 - <20 %                   | 927-510-4                   | RR-100219-3 | STOT SE 3 (H336)<br>Asp. Tox. 1 (H304)<br>Skin Irrit. 2 (H315)<br>Aquatic Chronic 2 (H411)<br>Flam. Liq. 2 (H225)  | - | - | - | 01-2119475515-33-xxxx |
| Methyl ethyl ketone<br>10 - <20 %  | (606-002-00-3)<br>201-159-0 | 78-93-3     | Eye Irrit. 2 (H319)<br>(EUH066)<br>STOT SE 3 (H336)<br>Flam. Liq. 2 (H225)   | - | - | - | 01-2119457290-43-XXXX |
| Ethyl acetate<br>10 - <20 %  | (607-022-00-5)<br>205-500-4 | 141-78-6    | Eye Irrit. 2 (H319)<br>STOT SE 3 (H336)<br>Flam. Liq. 2 (H225)<br>(EUH066)   | - | - | - | 01-2119475103-46-XXXX |
| Hydrocarbons, C6, isoalkanes, <5% n-hexane<br>5 - <10 %                          | 931-254-9                   | RR-100242-2 | STOT SE 3 (H336)<br>Asp. Tox. 1 (H304)<br>Skin Irrit. 2 (H315)<br>Aquatic Chronic 2 (H411)<br>Flam Liq. 2 (H225)<br>(EUH066)   | - | - | - | 01-2119484651-34-XXXX |
| Xylenes (o-, m-, p-isomers)<br>5 - <10 %   | (601-022-00-9)<br>215-535-7 | 1330-20-7   | STOT SE 3 (H335)<br>STOT RE 2 (H373)<br>Asp. Tox. 1 (H304)<br>Skin Irrit. 2 (H315)<br>Eye Irrit. 2 (H319)<br>Acute Tox. 4 (H312)<br>Acute Tox. 4 (H332)<br>Flam. Liq. 3 (H226)<br>Aquatic Chronic 3 (H412) | - | - | - | 01-2119488216-32-XXXX |
| Formaldehyde, polymer with 4-(1,1-di-meth-ylethyl)phenol and phenol<br>5 - <10 % | -                           | 28453-20-5  | Skin Sens. 1 (H317)  | - | - | - | [7]                   |
| Ethylbenzene<br>1 - <2.5 %   | (601-023-00-4)<br>202-849-4 | 100-41-4    | STOT RE 2 (H373)<br>Asp. Tox. 1 (H304)<br>Acute Tox. 4 (H332)<br>Flam. Liq. 2 (H225)<br>Aquatic Chronic 3 (H412)   | - | - | - | 01-2119489370-35-XXXX |
| Rosin<br>0.1- <1 %   | (650-015-00-7)<br>232-475-7 | 8050-09-7   | Skin Sens. 1 (H317)  | - | - | - | 01-2119480418-32-XXXX |
| Xylene (reaction mass of ethylbenzene and xylene)<br>0.1 - <0.5 %                | 905-588-0                   | --          | STOT SE 3 (H335)<br>STOT RE 2 (H373)<br>Asp. Tox. 1 (H304)<br>Skin Irrit. 2 (H315)<br>Eye Irrit. 2 (H319)<br>Acute Tox. 4 (H312)<br>Acute Tox. 4 (H332)<br>Flam Liq. 3 (H226)                              | - | - | - | 01-2119488216-32-xxxx |

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

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

*NOTE [7] - No registration number is given for this substance because it is a polymer exempted from registration according to the provisions of Article 2(9) of REACH. All monomers or other substances within the polymer are registered or exempt from registration*

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## Acute Toxicity Estimate

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

| Chemical name                                     | EC No (EU 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 |
|---|-----------------------------|-------------|-----------------|-------------------|---|--|--------------------------------------|
| Acetone   | (606-001-00-8)<br>200-662-2 | 67-64-1     | 5800            | -                 | -   | -  | -                                    |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics  | 927-510-4                   | RR-100219-3 | -               | -                 | -   | -  | -                                    |
| Methyl ethyl ketone                               | (606-002-00-3)<br>201-159-0 | 78-93-3     | -               | -                 | -   | -  | -                                    |
| Ethyl acetate                                     | (607-022-00-5)<br>205-500-4 | 141-78-6    | -               | -                 | -   | 14.4131                                  | -                                    |
| Hydrocarbons, C6, isoalkanes, <5% n-hexane        | 931-254-9                   | RR-100242-2 | -               | -                 | -   | -  | -                                    |
| Xylenes (o-, m-, p-isomers)                       | (601-022-00-9)<br>215-535-7 | 1330-20-7   | 2500            | 1990              | 4.8   | -  | -                                    |
| Ethylbenzene                                      | (601-023-00-4)<br>202-849-4 | 100-41-4    | 3500            | 15400             | 4.99  | 17.6                                     | -                                    |
| Rosin   | (650-015-00-7)<br>232-475-7 | 8050-09-7   | -               | -                 | -   | -  | -                                    |
| Xylene (reaction mass of ethylbenzene and xylene) | 905-588-0                   | --          | 3523            | 1999              | 4   | -  | -                                    |

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

## Notes

See section 16 for more information

| Chemical name                           | Notes |
|---|-------|
| Xylenes (o-, m-, p-isomers) - 1330-20-7 | C     |

## 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. IF exposed or concerned: Get medical advice/attention. Get medical attention immediately if symptoms occur.  |
| <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. May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a doctor.   |

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**Ingestion** Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. Call a doctor.

**Self-protection of the first aider** 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** Itching. Rashes. Hives. 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.

**Effects of Exposure** No information available.

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

**Note to doctors** May cause sensitisation in susceptible persons. Treat symptomatically.

## **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** No information available.

### 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. Product is or contains a sensitiser. May cause sensitisation by skin contact.

**Hazardous combustion products** Carbon oxides. Carbon monoxide. 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

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

### 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)**  
Adhesives.

**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**

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## 8.1. Control parameters

### Exposure Limits

| Chemical name   | European Union  | Ireland   | United Kingdom  |
|---|---|---|---|
| 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>                     |
| Methyl ethyl ketone<br>78-93-3                          | TWA: 200 ppm<br>TWA: 600 mg/m <sup>3</sup><br>STEL: 300 ppm<br>STEL: 900 mg/m <sup>3</sup>      | TWA: 200 ppm<br>TWA: 600 mg/m <sup>3</sup><br>STEL: 300 ppm<br>STEL: 900 mg/m <sup>3</sup><br>Sk*   | TWA: 200 ppm<br>TWA: 600 mg/m <sup>3</sup><br>STEL: 300 ppm<br>STEL: 899 mg/m <sup>3</sup><br>Sk*                 |
| 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   | TWA: 734 mg/m <sup>3</sup><br>TWA: 200 ppm<br>STEL: 1468 mg/m <sup>3</sup><br>STEL: 400 ppm                       |
| Xylenes (o-, m-, p- isomers)<br>1330-20-7               | TWA: 50 ppm<br>TWA: 221 mg/m <sup>3</sup><br>STEL: 100 ppm<br>STEL: 442 mg/m <sup>3</sup><br>*  | TWA: 50 ppm<br>TWA: 221 mg/m <sup>3</sup><br>STEL: 100 ppm<br>STEL: 442 mg/m <sup>3</sup><br>Sk*  | TWA: 50 ppm<br>TWA: 220 mg/m <sup>3</sup><br>STEL: 100 ppm<br>STEL: 441 mg/m <sup>3</sup><br>Sk*                  |
| Ethylbenzene<br>100-41-4                                | TWA: 100 ppm<br>TWA: 442 mg/m <sup>3</sup><br>STEL: 200 ppm<br>STEL: 884 mg/m <sup>3</sup><br>* | TWA: 100 ppm<br>TWA: 442 mg/m <sup>3</sup><br>STEL: 200 ppm<br>STEL: 884 mg/m <sup>3</sup><br>Sk*   | TWA: 100 ppm<br>TWA: 441 mg/m <sup>3</sup><br>STEL: 125 ppm<br>STEL: 552 mg/m <sup>3</sup><br>Sk*                 |
| Rosin<br>8050-09-7                                      | -   | TWA: 0.05 mg/m <sup>3</sup><br>STEL: 0.15 mg/m <sup>3</sup><br>Sens+  | TWA: 0.05 mg/m <sup>3</sup><br>STEL: 0.15 mg/m <sup>3</sup><br>Sen+   |
| Magnesium oxide (MgO)<br>1309-48-4                      | -   | TWA: 4 mg/m <sup>3</sup><br>TWA: 5 mg/m <sup>3</sup><br>TWA: 10 mg/m <sup>3</sup><br>STEL: 10 mg/m <sup>3</sup><br>STEL: 12 mg/m <sup>3</sup><br>STEL: 30 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> |
| Xylene (reaction mass of ethylbenzene and xylene)<br>-- | TWA: 50 ppm<br>TWA: 221 mg/m <sup>3</sup><br>STEL: 100 ppm<br>STEL: 442 mg/m <sup>3</sup><br>S* | TWA: 50 ppm<br>TWA: 221 mg/m <sup>3</sup><br>STEL: 100 ppm<br>STEL: 442 mg/m <sup>3</sup><br>Skin   | STEL: 100 ppm<br>STEL: 441 mg/m <sup>3</sup><br>TWA: 50 ppm<br>TWA: 220 mg/m <sup>3</sup><br>Skin                 |

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

| Derived No Effect Level (DNEL)                                 |                |                                |               |
|--|----------------|--------------------------------|---------------|
| Acetone (67-64-1)  |                |                                |               |
| 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>         |               |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics (RR-100219-3) |                |                                |               |
| Type   | Exposure route | Derived No Effect Level (DNEL) | Safety factor |
| worker<br>Long term<br>Systemic health effects                 | Inhalation     | 2085 mg/m <sup>3</sup>         |               |

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|--|--------|----------------|--|
| worker<br>Long term<br>Systemic health effects | Dermal | 300 mg/kg bw/d |  |
|--|--------|----------------|--|

| <b>Methyl ethyl ketone (78-93-3)</b> |  |  |  |
|--------------------------------------|--|--|--|
|--------------------------------------|--|--|--|

| Type   | Exposure route | Derived No Effect Level (DNEL) | Safety factor |
|--|----------------|--------------------------------|---------------|
| worker<br>Long term<br>Systemic health effects | Dermal         | 1161 mg/kg bw/d                |               |
| worker<br>Long term<br>Systemic health effects | Inhalation     | 600 mg/m <sup>3</sup>          |               |

| <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>Xylenes (o-, m-, p- isomers) (1330-20-7)</b> |  |  |  |
|---|--|--|--|
|---|--|--|--|

| Type  | Exposure route | Derived No Effect Level (DNEL) | Safety factor |
|---|----------------|--------------------------------|---------------|
| Long term<br>Systemic health effects<br>worker                          | Dermal         | 180 mg/kg bw/d                 |               |
| Long term<br>Systemic health effects<br>worker                          | Inhalation     | 77 mg/m <sup>3</sup>           |               |
| Short term<br>Local health effects<br>Systemic health effects<br>worker | Inhalation     | 289 mg/m <sup>3</sup>          |               |

| <b>Rosin (8050-09-7)</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>           |               |
| worker<br>Long term<br>Systemic health effects | Dermal         | 2131 mg/kg bw/d                |               |

| <b>Xylene (reaction mass of ethylbenzene and xylene) (--)</b> |  |  |  |
|---|--|--|--|
|---|--|--|--|

| Type | Exposure route | Derived No Effect Level | Safety factor |
|------|----------------|-------------------------|---------------|
|      |                |                         |               |



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|--|------------|-----------------------|--|
|  |            | (DNEL)                |  |
| worker<br>Long term<br>Systemic health effects | Inhalation | 221 mg/m <sup>3</sup> |  |
| worker<br>Long term<br>Local health effects    | Inhalation | 221 mg/m <sup>3</sup> |  |
| worker<br>Short term<br>Local health effects   | Inhalation | 442 mg/m <sup>3</sup> |  |
| worker<br>Long term<br>Systemic health effects | Dermal     | 212 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>Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics (RR-100219-3)</b> |                |                                |               |
|---|----------------|--------------------------------|---------------|
| Type  | Exposure route | Derived No Effect Level (DNEL) | Safety factor |
| Consumer<br>Long term<br>Systemic health effects                      | Inhalation     | 447 mg/m <sup>3</sup>          |               |
| Consumer<br>Long term<br>Systemic health effects                      | Dermal         | 149 mg/kg bw/d                 |               |
| Consumer<br>Long term<br>Systemic health effects                      | Oral           | 149 mg/kg bw/d                 |               |

| <b>Methyl ethyl ketone (78-93-3)</b>                        |                |                                |               |
|---|----------------|--------------------------------|---------------|
| Type  | Exposure route | Derived No Effect Level (DNEL) | Safety factor |
| Consumer<br>Long term<br>Systemic health effects            | Dermal         | 412 mg/kg bw/d                 |               |
| Consumer<br>Long term<br>Systemic health effects            | Inhalation     | 106 mg/m <sup>3</sup>          |               |
| Consumer<br>Local health effects<br>Systemic health effects | Oral           | 31 mg/kg bw/d                  |               |

| <b>Ethyl acetate (141-78-6)</b> |                |                                |               |
|---------------------------------|----------------|--------------------------------|---------------|
| Type                            | Exposure route | Derived No Effect Level (DNEL) | Safety factor |
| Consumer<br>Long term           | Oral           | 4.5 mg/kg bw/d                 |               |

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|   |            |                       |  |
|---|------------|-----------------------|--|
| Systemic health effects                           |            |                       |  |
| 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> |  |

### Rosin (8050-09-7)

| Type   | Exposure route | Derived No Effect Level (DNEL) | Safety factor |
|--|----------------|--------------------------------|---------------|
| Consumer<br>Long term<br>Systemic health effects | Dermal         | 1065 mg/kg bw/d                |               |
| Consumer<br>Long term<br>Systemic health effects | Oral           | 1065 mg/kg bw/d                |               |

### Xylene (reaction mass of ethylbenzene and xylene) (--)

| Type  | Exposure route | Derived No Effect Level (DNEL) | Safety factor |
|---|----------------|--------------------------------|---------------|
| Consumer<br>Long term<br>Systemic health effects  | Inhalation     | 65.3 mg/m <sup>3</sup>         |               |
| Consumer<br>Short term<br>Systemic health effects | Inhalation     | 260 mg/m <sup>3</sup>          |               |
| Consumer<br>Long term<br>Local health effects     | Inhalation     | 65.3 mg/m <sup>3</sup>         |               |
| Consumer<br>Short term<br>Local health effects    | Inhalation     | 260 mg/m <sup>3</sup>          |               |
| Consumer<br>Long term<br>Systemic health effects  | Dermal         | 125 mg/kg bw/d                 |               |
| Consumer<br>Long term<br>Systemic health effects  | Oral           | 12.5 mg/kg bw/d                |               |

### Predicted No Effect Concentration (PNEC)

#### Predicted No Effect Concentration (PNEC)

| Acetone (67-64-1)                  |  |
|------------------------------------|--|
| 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                                 |

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|---------------------|-----------------------|
| Freshwater sediment | 30.4 mg/kg dry weight |
| Marine water        | 3.04 mg/kg dry weight |
| Soil                | 29.5 mg/kg dry weight |

| <b>Methyl ethyl ketone (78-93-3)</b> |  |
|--------------------------------------|--|
| Environmental compartment            | Predicted No Effect Concentration (PNEC) |
| Freshwater                           | 55.8 mg/l                                |
| Marine water                         | 55.8 mg/l                                |
| Freshwater sediment                  | 287.74 mg/l                              |
| Marine sediment                      | 287.7 mg/l                               |
| Soil                                 | 22.5 mg/l                                |

| <b>Ethyl acetate (141-78-6)</b>    |  |
|------------------------------------|--|
| Environmental compartment          | Predicted No Effect Concentration (PNEC) |
| Freshwater                         | 0.24 mg/l                                |
| Marine water                       | 0.024 mg/l                               |
| Freshwater sediment                | 1.15 mg/kg                               |
| Marine sediment                    | 0.115 mg/kg                              |
| Soil                               | 0.148 mg/kg                              |
| Microorganisms in sewage treatment | 650 mg/l                                 |

| <b>Rosin (8050-09-7)</b>  |  |
|---------------------------|--|
| Environmental compartment | Predicted No Effect Concentration (PNEC) |
| Freshwater                | 0.002 mg/l                               |
| Marine water              | 0 mg/l                                   |
| Sewage treatment plant    | 1000 mg/l                                |
| Freshwater sediment       | 0.007 mg/l                               |
| Marine sediment           | 0.001 mg/l                               |

| <b>Xylene (reaction mass of ethylbenzene and xylene) (--)</b> |  |
|---|--|
| Environmental compartment                                     | Predicted No Effect Concentration (PNEC) |
| Freshwater  | 0.327 mg/l                               |
| Marine water  | 0.327 mg/l                               |
| Microorganisms in sewage treatment                            | 6.58 mg/l                                |
| Freshwater sediment   | 12.46 mg/kg dry weight                   |
| Soil  | 2.31 mg/kg dry weight                    |

## 8.2. Exposure controls

|  |  |
|--|--|
| <b>Engineering controls</b>            | Ensure adequate ventilation, especially in confined areas. Vapours/aerosols must be exhausted directly at the point of origin.   |
| <b>Personal protective equipment</b>   |  |
| <b>Eye/face protection</b>             | Tight sealing safety goggles. Face protection shield. 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. Gloves should be replaced regularly and if there is any sign of damage to the glove material. |
| <b>Skin and body protection</b>        | Antistatic footwear. Wear fire/flame resistant/retardant clothing. 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> | 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

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Physical state Liquid  
Appearance Viscous Liquid  
Colour Light yellow  
Odour Solvent.

| <u>Property</u>                         | <u>Values</u>                  | <u>Remarks • Method</u>   |
|---|--------------------------------|---|
| Melting point / freezing point          | No data available              |   |
| Initial boiling point and boiling range | 56 °C                          |   |
| Flammability                            | Not applicable for liquids .   |   |
| Flammability Limit in Air               |                                |   |
| Upper flammability or explosive limits  | No data available              |   |
| Lower flammability or explosive limits  | No data available              |   |
| Flash point                             | -20 °C                         |   |
| Autoignition temperature                | No data available              |   |
| Decomposition temperature               |                                |   |
| pH                                      | No data available              | Not applicable. Insoluble in water.   |
| pH (as aqueous solution)                | No data available              | None known  |
| Kinematic viscosity                     | approx 4000 mm <sup>2</sup> /s | @ 20 °C   |
| Dynamic viscosity                       | 3500 mPa s                     | @ 23 °C   |
| Water solubility                        | Insoluble in water.            |   |
| Solubility(ies)                         | No data available              |   |
| Partition coefficient                   | No data available              |   |
| Vapour pressure                         | <110 kPa                       | kPa   |
| Relative density                        | 0.84                           |   |
| Bulk Density                            | No data available              |   |
| Density                                 | No data available              |   |
| Relative vapour density                 | No data available              |   |
| Particle characteristics                |                                |   |
| Particle Size                           | No information available       |   |
| Particle Size Distribution              | No information available       |   |
| <b>9.2. Other information</b>           |                                |   |
| Solid content (%)                       | approx 23                      |   |
| Softening Point                         | Not relevant                   |   |
| VOC content                             | 640 g/L                        | Directive 2004/42/EC on the limitation of emissions of volatile organic compounds |

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.

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## 10.3. Possibility of hazardous reactions

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

## 10.4. Conditions to avoid

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

## 10.5. Incompatible materials

**Incompatible materials** Strong acids. Strong bases. Strong oxidising agents.

## 10.6. Hazardous decomposition products

**Hazardous decomposition products** None under normal use conditions. Stable under recommended storage conditions.

## **SECTION 11: Toxicological information**

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

#### Information on likely routes of exposure

##### Product Information

|                     |   |
|---------------------|---|
| <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 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). Causes 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** Itching. Rashes. Hives. Redness. May cause redness and tearing of the eyes. Inhalation of high vapour concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.

#### Acute toxicity

##### Numerical measures of toxicity

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

|                               |                 |
|-------------------------------|-----------------|
| ATEmix (oral)                 | >5000 mg/kg     |
| ATEmix (dermal)               | 31,539.50 mg/kg |
| ATEmix (inhalation-gas)       | >20000 ppm      |
| ATEmix (inhalation-dust/mist) | 54.70 mg/l      |
| ATEmix (inhalation-vapour)    | 174.30 mg/l     |

##### Component Information

| Chemical name | Oral LD50            | Dermal LD50           | Inhalation LC50      |
|---------------|----------------------|-----------------------|----------------------|
| Acetone       | =5800 mg/kg (Rattus) | >15800 mg/Kg (Rattus) | =79 mg/l(Rattus) 4 h |

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|   |                       |   |  |
|---|-----------------------|---|--|
|   | 3000 mg/Kg (mouse)    |   |  |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics  | LD50 >5840 mg/kg Rat  | LD50 >2920 mg/kg (Rattus)   | LC50 >23.3 mg/L (4h)(Rat, vapour) (OECD 403)       |
| Methyl ethyl ketone                               | =2483 mg/kg (Rattus)  | = 5000 mg/kg (Oryctolagus cuniculus)                                      | =11700 ppm (Rattus) 4 h                            |
| Ethyl acetate                                     | =5620 mg/kg (Rattus)  | > 18000 mg/kg (Oryctolagus cuniculus) > 20 mL/kg (Oryctolagus cuniculus)  | LC0 29.3 mg/l air                                  |
| Hydrocarbons, C6, isoalkanes, <5% n-hexane        | >16750 mg/Kg (Rattus) | >3350 mg/Kg (Oryctolagus cuniculus) OECD 402                              | 259354 mg/m <sup>3</sup> (vapour) (rat OECD 403)   |
| Xylenes (o-, m-, p- isomers)                      | =3500 mg/kg (Rattus)  | > 1700 mg/kg (Oryctolagus cuniculus) > 4350 mg/kg (Oryctolagus cuniculus) | = 11 mg/L (ATE)                                    |
| Ethylbenzene                                      | =3500 mg/kg (Rattus)  | = 15400 mg/kg (Oryctolagus cuniculus)                                     | =17.6 mg/L (Rattus) 4 h                            |
| Rosin   | >2000 mg/Kg (Rattus)  | > 2500 mg/kg (Oryctolagus cuniculus)                                      | =1.5 mg/L (Rattus) 4 h                             |
| Xylene (reaction mass of ethylbenzene and xylene) | =3500 mg/kg (Rattus)  | >10000 mg/kg (Oryctolagus cuniculus)                                      | =>47635 mg/L (Rattus) 4 h = >5000 ppm (Rattus) 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. Causes skin irritation.

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

Acetone (67-64-1)

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

Methyl ethyl ketone (78-93-3)

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

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

Acetone (67-64-1)

| Method                                | Species    | Exposure route | Results               |
|---------------------------------------|------------|----------------|-----------------------|
| OECD Test No. 406: Skin Sensitisation | Guinea pig | Dermal         | Not a skin sensitiser |

Methyl ethyl ketone (78-93-3)

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

Ethyl acetate (141-78-6)

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

Xylenes (o-, m-, p- isomers) (1330-20-7)

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

## 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** Toxic 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 - 6.33 mL/L (Oncorhynchus mykiss)     | EC50 = 14500 mg/L 15 min                          | EC50 48 h 10294 - 17704 mg/L (Daphnia magna Static) |          |                      |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics<br>RR-100219-3 | ErL50 (72h) = 10-30 mg/L (Pseudokirchneriella subcapitata) | LL50 (96h) >13.4 mg/L (Oncorhynchus mykiss) OECD 203 | -   | EL50 (48h) = 3.0 mg/L (Daphnia magna)               |          |                      |
| Methyl ethyl ketone<br>78-93-3                                  | EC50=1972 mg/l (Pseudokirchneriella subcapitata)           | LC50: 3130 - 3320mg/L (96h, Pimephales promelas)     | EC50 = 3403 mg/L 30 min<br>EC50 = 3426 mg/L 5 min | EC50 48 h > 308 mg/L (Daphnia magna)                |          |                      |
| Ethyl acetate<br>141-78-6                                       | EC50: =3300mg/L (48h, Desmodosmus subspicatus)             | LC50: =484mg/L (96h, Oncorhynchus mykiss) LC50:      | EC50 = 1180 mg/L 5 min<br>EC50 = 1500 mg/L 15 min | EC50: =560mg/L (48h, Daphnia magna)                 |          |                      |

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|  |   |   |   |   |  |  |
|--|---|---|---|---|--|--|
|  |   | 352 - 500mg/L (96h, Oncorhynchus mykiss) LC50: 220 - 250mg/L (96h, Pimephales promelas) | EC50 = 5870 mg/L 15 min<br>EC50 = 7400 mg/L 2 h |   |  |  |
| Hydrocarbons, C6, isoalkanes, <5% n-hexane RR-100242-2 | EL50 (72h) = 13.6 mg/l (Pseudokirchneriella subcapitata)    | LL50 (96h) = 18.27 mg/l (Oncorhynchus mykiss)   | -   | EL50 (48h)= 31.9 mg/l (Daphnia magna)     |  |  |
| Xylenes (o-, m-, p- isomers) 1330-20-7                 | -   | LC50 96 h 2.6 mg/L (Oncorhynchus mykiss) (OECD 203)                                     | EC50 = 0.0084 mg/L 24 h                         | EC50 48 h = 3.4 mg/L (Daphnia magna)      |  |  |
| Ethylbenzene 100-41-4                                  | EC50 72 h 2.6 - 11.3 mg/L (Pseudokirchneriella subcapitata) | LC50 96 h = 4.2 mg/L (Oncorhynchus mykiss semi-static)                                  | EC50 = 9.68 mg/L 30 min<br>EC50 = 96 mg/L 24 h  | EC50: 1.8 - 2.4mg/L (48h, Daphnia magna)  |  |  |
| Rosin 8050-09-7  | EC50: =400mg/L (72h, Desmodesmus subspicatus)               | LC50 (96h) >10mg/L (Danio rerio)  | EC50 = 31.5 mg/L 30 min                         | EC50 48 h >100 mg/L (Daphnia magna)       |  |  |
| Xylene (reaction mass of ethylbenzene and xylene) --   | EC50 (72hr) 2.2 mg/l (Selenastrum capricornutum)            | LC50(96h) 2.6 mg/l (Oncorhynchus mykiss-OECD 203)                                       | EC50 = 0.0084 mg/L 24 h                         | LC50(24h) 1 mg/l (Daphnia magna-OECD 202) |  |  |

## 12.2. Persistence and degradability

**Persistence and degradability** No information available.

Acetone (67-64-1)

| Method  | Exposure time | Value          | Results                    |
|---|---------------|----------------|----------------------------|
| OECD Test No. 301B: Ready Biodegradability: CO2 Evolution Test (TG 301 B) | 28 days       | biodegradation | 91 % Readily biodegradable |

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics (RR-100219-3)

| Method  | Exposure time | Value | Results               |
|---|---------------|-------|-----------------------|
| OECD Test No. 301F: Ready Biodegradability: Manometric Respirometry Test (TG 301 F) | 28 days       | 98%   | Readily biodegradable |

Methyl ethyl ketone (78-93-3)

| Method  | Exposure time | Value          | Results                    |
|---|---------------|----------------|----------------------------|
| OECD Test No. 301D: Ready Biodegradability: Closed Bottle Test (TG 301 D) | 28 days       | biodegradation | 98 % Readily biodegradable |

Xylenes (o-, m-, p- isomers) (1330-20-7)

| Method  | Exposure time | Value          | Results                      |
|---|---------------|----------------|------------------------------|
| OECD Test No. 301F: Ready Biodegradability: Manometric Respirometry Test (TG 301 F) | 28 days       | biodegradation | 87.8 % Readily biodegradable |

## 12.3. Bioaccumulative potential



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## Bioaccumulation

### Component Information

| Chemical name                                     | Partition coefficient |
|---|-----------------------|
| Acetone   | -0.24                 |
| Methyl ethyl ketone                               | 0.3                   |
| Ethyl acetate                                     | 0.73                  |
| Hydrocarbons, C6, isoalkanes, <5% n-hexane        | 3.6                   |
| Xylenes (o-, m-, p- isomers)                      | 3.15                  |
| Ethylbenzene                                      | 3.6                   |
| Rosin   | 7.7                   |
| Xylene (reaction mass of ethylbenzene and xylene) | 3.15                  |

### 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         |
|--|---------------------------------|
| Acetone  | The substance is not PBT / vPvB |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics | The substance is not PBT / vPvB |
| Methyl ethyl ketone                              | The substance is not PBT / vPvB |
| Ethyl acetate                                    | The substance is not PBT / vPvB |
| Hydrocarbons, C6, isoalkanes, <5% n-hexane       | The substance is not PBT / vPvB |
| Xylenes (o-, m-, p- isomers)                     | The substance is not PBT / vPvB |
| Ethylbenzene                                     | The substance is not PBT / vPvB |
| Rosin  | The substance is not PBT / vPvB |

### 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.

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## SECTION 14: Transport information

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

### Land transport (ADR/RID)

14.1 UN number or ID number UN1133  
14.2 UN 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), Environmentally Hazardous  
14.5 Environmental hazards Yes  
14.6 Special precautions for user  
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 UN proper shipping name Adhesives  
14.3 Transport hazard class(es) 3  
14.4 Packing group II  
Description UN1133, Adhesives, 3, II, (-20°C c.c.), Marine Pollutant  
14.5 Marine pollutant P  
14.6 Special precautions for user  
Special Provisions None  
Limited Quantity (LQ) 5 L  
EmS-No. F-E, S-D  
14.7 Maritime transport in bulk according to IMO instruments  
Transport in bulk according to Annex II of MARPOL and the IBC Code Not applicable

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

14.1 UN number or ID number UN1133  
14.2 UN 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 Yes  
14.6 Special precautions for user  
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.

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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).

### **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)

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

P5a - FLAMMABLE LIQUIDS

P5b - FLAMMABLE LIQUIDS

P5c - FLAMMABLE LIQUIDS

E2 - Hazardous to the Aquatic Environment in Category Chronic 2

### **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

H225 - Highly flammable liquid and vapour

H226 - Flammable liquid and vapour

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H304 - May be fatal if swallowed and enters airways  
H312 - Harmful in contact with skin  
H315 - Causes skin irritation  
H317 - May cause an allergic skin reaction  
H319 - Causes serious eye irritation  
H332 - Harmful if inhaled  
H335 - May cause respiratory irritation  
H336 - May cause drowsiness or dizziness  
H373 - May cause damage to organs through prolonged or repeated exposure  
H411 - Toxic to aquatic life with long lasting effects  
H412 - Harmful to aquatic life with long lasting effects

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

**Note C:** Some organic substances may be marketed either in a specific isomeric form or as a mixture of several isomers. In this case the supplier must state on the label whether the substance is a specific isomer or a mixture of isomers

SVHC: Substances of Very High Concern for Authorisation:  
PBT: Persistent, Bioaccumulative, and Toxic (PBT) Chemicals  
vPvB: Very Persistent and very Bioaccumulative (vPvB) Chemicals  
STOT RE: Specific target organ toxicity - Repeated exposure  
STOT SE: Specific target organ toxicity - Single exposure  
EWC: European Waste Catalogue  
LOW: List of Wastes (see <http://ec.europa.eu/environment/waste/framework/list.htm>)  
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road  
IATA: International Air Transport Association  
ICAO: ICAO-TI: Technical Instructions for the Safe Transport of Dangerous Goods by Air  
IMDG: International Maritime Dangerous Goods  
RID: Regulations concerning the International Carriage of Dangerous Goods by Rail

## Legend SECTION 8: Exposure controls/personal protection

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

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

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

European Food Safety Authority (EFSA)  
European Chemicals Agency (ECHA) Committee for Risk Assessment (ECHA\_RAC)  
European Chemicals Agency (ECHA) (ECHA\_API)  
EPA (Environmental Protection Agency)  
Acute Exposure Guideline Level(s) (AEGl(s))

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International Uniform Chemical Information Database (IUCLID)  
National Institute of Technology and Evaluation (NITE)  
NIOSH (National Institute for Occupational Safety and Health)  
Organisation for Economic Co-operation and Development Environment, Health, and Safety Publications  
Organisation for Economic Co-operation and Development High Production Volume Chemicals Programme  
Organisation for Economic Co-operation and Development Screening Information Data Set

**Prepared By** Product Safety & Regulatory Affairs  
**Revision date** 01-Nov-2023  
**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)**  
Regulation (EC) No. 1272/2008 and Regulation (EC) No. 1907/2006 as amended by Regulation (EU) No. 2020/878

#### 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**