

**EVO-STIK IMPACT ADHESIVE**  
 Supersedes Date: 01-Sep-2017

Revision Date 29-Nov-2017  
 Revision Number 1.02

**Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**
**1.1. Product Identifier**

**Product Name** EVO-STIK IMPACT ADHESIVE  
**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 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**

|                       |                                           |
|-----------------------|-------------------------------------------|
| <b>United Kingdom</b> | +44 (1785) 272650                         |
| <b>Ireland</b>        | +353 (1) 8624900 (Monday- Friday 9am-5pm) |

**Section 2: HAZARD IDENTIFICATION**
**2.1. Classification of the substance or mixture**

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

|                                                         |                     |
|---------------------------------------------------------|---------------------|
| <b>Skin Corrosion/Irritation</b>                        | Category 2 - (H315) |
| <b>Serious eye damage/eye irritation</b>                | Category 2 - (H319) |
| <b>Specific target organ toxicity (single exposure)</b> | Category 3 - (H336) |
| <b>Chronic aquatic toxicity</b>                         | Category 3 - (H412) |
| <b>Flammable liquids</b>                                | Category 2 - (H225) |

**2.2. Label Elements**

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

Contains Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics, Methyl ethyl ketone, Ethyl acetate, Hydrocarbons, C6, isoalkanes, <5% n-hexane



**Signal Word**

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DANGER

## Hazard statements

H412 - Harmful to aquatic life with long lasting effects  
H319 - Causes serious eye irritation  
H315 - Causes skin irritation  
H336 - May cause drowsiness or dizziness  
H225 - Highly flammable liquid and vapour

## Special provisions concerning the labelling of certain mixtures

EUH208 - Contains rosin & methylols. May produce an allergic reaction

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

P101 - If medical advice is needed, have product container or label at hand  
P102 - Keep out of reach of children  
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  
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
P312 - Call a POISON CENTER or doctor/physician if you feel unwell  
P337 + P313 - If eye irritation persists: Get medical advice/attention  
P403 + P233 - Store in a well-ventilated place. Keep container tightly closed  
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

### General Hazards

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

### PBT and vPvB assessment

The components in this formulation do not meet the criteria for classification as PBT or vPvB

## Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

Mixture

### 3.2 Mixtures

| Chemical Name                                    | EC No     | CAS No  | Weight-% | Classification according to Regulation (EC) No. 1272/2008 [CLP]                            | Specific concentration limit (SCL) | REACH Registration Number |
|--------------------------------------------------|-----------|---------|----------|--------------------------------------------------------------------------------------------|------------------------------------|---------------------------|
| Acetone                                          | 200-662-2 | 67-64-1 | 10 - <20 | Eye Irrit. 2 (H319)<br>STOT SE 3 (H336)<br>Flam. Liq. 2 (H225)<br>(EUH066)                 |                                    | 01-2119471330-49<br>-XXXX |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics | 927-510-4 | --      | 10 - <20 | STOT SE 3 (H336)<br>Asp. Tox. 1 (H304)<br>Skin Irrit. 2 (H315)<br>Aquatic Chronic 2 (H411) |                                    | 01-2119475515-33<br>-XXXX |
| Methyl ethyl ketone                              | 201-159-0 | 78-93-3 | 10 - <20 | Eye Irrit. 2 (H319)<br>STOT SE 3 (H336)<br>Flam. Liq. 2 (H225)                             |                                    | 01-2119457290-43<br>-XXXX |

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|                                            |           |           |          |                                                                                                                                                                                                           |    |                           |
|--------------------------------------------|-----------|-----------|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|---------------------------|
| Ethyl acetate                              | 205-500-4 | 141-78-6  | 10 - <20 | (EUH066)<br>Eye Irrit. 2 (H319)<br>STOT SE 3 (H336)<br>Flam. Liq. 2 (H225)<br>(EUH066)                                                                                                                    |    | 01-2119475103-46<br>-XXXX |
| Hydrocarbons, C6, isoalkanes, <5% n-hexane | 931-254-9 | --        | 5 - <10  | 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<br>-XXXX |
| Xylenes (o-, m-, p- isomers)               | 215-535-7 | 1330-20-7 | 5 - <10  | 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<br>-XXXX |
| Ethylbenzene                               | 202-849-4 | 100-41-4  | 1- <2.5  | 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<br>-XXXX |
| Rosin                                      | 232-475-7 | 8050-09-7 | 0.1 - <1 | Skin Sens. 1 (H317)                                                                                                                                                                                       |    | 01-2119480418-32<br>-XXXX |
| Methylols                                  | -         | UNKNOWN   | 0.1 - <1 | Skin Sens. 1 (H317)                                                                                                                                                                                       |    | No data available         |

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

EC# 927-510-4 Related CAS no 64742-49-0

EC# 931-254-9 Related CAS no 64742-49-0

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> | If medical advice is needed, have product container or label at hand.                                                                                                                   |
| <b>Inhalation</b>     | Remove to fresh air.                                                                                                                                                                    |
| <b>Skin Contact</b>   | Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.                                                                                            |
| <b>Eye contact</b>    | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a doctor immediately. |
| <b>Ingestion</b>      | If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.                                                                                 |

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**Self-Protection of the First Aider** Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

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

**Symptoms** None known.

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

**Note to doctors** Treat symptomatically.

## **Section 5: FIRE-FIGHTING MEASURES**

### **5.1. Extinguishing media**

#### **Suitable Extinguishing Media**

Use CO<sub>2</sub>, dry chemical, or foam. Move containers from fire area if you can do it without risk.

#### **Unsuitable Extinguishing Media**

Use water spray or fog; do not use straight streams

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

Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).

### **5.3. Advice for firefighters**

Wear self contained breathing apparatus for fire fighting if necessary.

## **Section 6: ACCIDENTAL RELEASE MEASURES**

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

#### **Personal Precautions**

Remove all sources of ignition. Evacuate personnel to safe areas. Ensure adequate ventilation, especially in confined areas.

Water spray may reduce vapour; but may not prevent ignition in closed spaces.

#### **For emergency responders**

Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

### **6.2. Environmental precautions**

Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point. See Section 12 for additional Ecological Information.

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

#### **Methods for Containment**

Dyke far ahead of spill; use dry sand to contain the flow of material. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

#### **Methods for cleaning up**

Use clean non-sparking tools to collect absorbed material. Dyke far ahead of spill for later disposal.

### **6.4. Reference to other sections**

#### **Reference to other sections**

See Section 12: ECOLOGICAL INFORMATION  
Section 7: HANDLING AND STORAGE  
Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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## Section 7: HANDLING AND STORAGE

### 7.1. Precautions for safe handling

#### Advice on safe handling

Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Take precautionary measures against static charges. Use explosion-proof electrical/ ventilating/ lighting/ equipment.

#### General Hygiene Considerations

Do not eat, drink or smoke when using this product. Regular cleaning of equipment, work area and clothing is recommended.

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

#### Storage Conditions

Keep only in the original container/package in a cool well-ventilated place.

### 7.3. Specific end use(s)

#### Other Information

Recommendation(s). Observe technical data sheet.

## Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

| 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>                                                                               | STEL: 1500 ppm<br>STEL: 3620 mg/m <sup>3</sup><br>TWA: 500 ppm<br>TWA: 1210 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>Skin                                                                          | STEL: 300 ppm<br>STEL: 899 mg/m <sup>3</sup><br>TWA: 200 ppm<br>TWA: 600 mg/m <sup>3</sup><br>Skin                |
| Ethyl acetate<br>141-78-6                 | -                                                                                                | TWA: 200 ppm<br>STEL: 400 ppm                                                                                                                                               | STEL: 400 ppm<br>TWA: 200 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>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                 |
| 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>S* | TWA: 100 ppm<br>TWA: 442 mg/m <sup>3</sup><br>STEL: 200 ppm<br>STEL: 884 mg/m <sup>3</sup><br>Skin                                                                          | STEL: 125 ppm<br>STEL: 552 mg/m <sup>3</sup><br>TWA: 100 ppm<br>TWA: 441 mg/m <sup>3</sup><br>Skin                |
| Rosin<br>8050-09-7                        | -                                                                                                | TWA: 0.05 mg/m <sup>3</sup><br>STEL: 0.15 mg/m <sup>3</sup><br>Sen**                                                                                                        | TWA: 0.05 mg/m <sup>3</sup>                                                                                       |
| 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> | STEL: 30 mg/m <sup>3</sup><br>STEL: 12 mg/m <sup>3</sup><br>TWA: 10 mg/m <sup>3</sup><br>TWA: 4 mg/m <sup>3</sup> |

Derived No Effect Level (DNEL) No information available

Predicted No Effect Concentration (PNEC) No information available.

### 8.2. Exposure controls

Engineering Controls Ensure adequate ventilation, especially in confined areas.

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## Personal Protective Equipment

|                          |                                                                                                                                                                              |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Eye/Face Protection      | Tight sealing safety goggles. Face protection shield.                                                                                                                        |
| Hand Protection          | Wear protective gloves. The breakthrough time of the gloves depends on the material and the thickness as well as the temperature.                                            |
| Skin and Body Protection | Antistatic footwear. Wear fire/flame resistant/retardant clothing. Suitable protective clothing.                                                                             |
| Respiratory Protection   | In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit. In case of inadequate ventilation wear respiratory protection. |
| Recommended filter type: | Organic gases and vapours filter conforming to EN 14387.                                                                                                                     |

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

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

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

|                 |                          |
|-----------------|--------------------------|
| Physical State  | Liquid                   |
| Appearance      | Liquid                   |
| Colour          | Light yellow             |
| Odour           | Solvent                  |
| Odour Threshold | No information available |

| Property                       | Values                   | Remarks • Method           |
|--------------------------------|--------------------------|----------------------------|
| pH                             | No information available |                            |
| Melting point / freezing point | No information available |                            |
| Boiling point / boiling range  | 48 °C / 118 °F           |                            |
| Flash Point                    | -20 °C / -4 °F           |                            |
| Evaporation Rate               | No information available |                            |
| Flammability (solid, gas)      | No information available |                            |
| Flammability Limit in Air      |                          | Not applicable for liquids |
| Upper flammability limit:      | No information available |                            |
| Lower flammability limit       | No information available |                            |
| Vapour Pressure                | No information available |                            |
| Vapour Density                 | No information available |                            |
| Relative Density               | No information available |                            |
| Water Solubility               | Insoluble in water       |                            |
| Solubility in Other Solvents   | No information available |                            |
| Partition Coefficient          | No information available |                            |
| Autoignition Temperature       | No information available |                            |
| Decomposition Temperature      | No information available |                            |
| Explosive Properties           | No information available |                            |
| Explosive Limits               | No information available |                            |
| Upper                          | No information available |                            |
| Lower                          | No information available |                            |
| Oxidising Properties           | No information available |                            |
| Kinematic Viscosity            | 500 mm <sup>2</sup> /s   | @ 40°C                     |
| Dynamic Viscosity              | No information available |                            |

### 9.2. Other information

|                     |                          |
|---------------------|--------------------------|
| Softening Point     | No information available |
| Molecular Weight    | No information available |
| Solvent content (%) | No information available |
| Solid content (%)   | No information available |
| Density             | 0.84                     |
| Bulk Density        | No data available        |
| VOC content (%)     |                          |

## Section 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

Stable under recommended storage conditions.

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## 10.2. Chemical stability

Stable under recommended storage conditions.

### Explosion Data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge May be ignited by friction, heat, sparks or flames.

## 10.3. Possibility of hazardous reactions

### **Possibility of Hazardous Reactions**

None under normal processing.

## 10.4. Conditions to avoid

Keep away from heat, sparks and flames.

## 10.5. Incompatible materials

Strong acids and bases.

## 10.6. Hazardous decomposition products

None under normal use conditions.

## **Section 11: TOXICOLOGY INFORMATION**

### 11.1. Information on toxicological effects

#### Information on likely routes of exposure

##### **Product Information**

No information or data specific to the product on this toxicological (health) effect is available.

|                      |                                                 |
|----------------------|-------------------------------------------------|
| <b>Inhalation</b>    | May cause drowsiness or dizziness.              |
| <b>Eye contact</b>   | Severely irritating to eyes.                    |
| <b>Skin Contact</b>  | Irritating to skin.                             |
| <b>Ingestion</b>     | No data available.                              |
| <b>Sensitisation</b> | May cause sensitisation of susceptible persons. |

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

|                                          |                                                         |
|------------------------------------------|---------------------------------------------------------|
| <b>Skin Corrosion/Irritation</b>         | Not applicable.                                         |
| <b>Serious eye damage/eye irritation</b> | Not applicable.                                         |
| <b>Sensitisation</b>                     | Not applicable.                                         |
| <b>Germ Cell Mutagenicity</b>            | Not applicable.                                         |
| <b>Carcinogenicity</b>                   | Not applicable.                                         |
| <b>Reproductive Toxicity</b>             | No information available.                               |
| <b>STOT - Single Exposure</b>            | No information available.                               |
| <b>STOT - Repeated Exposure</b>          | No information available.                               |
| <b>Target Organ Effects</b>              | Central nervous system, Eyes, Respiratory system, Skin. |

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**Aspiration hazard** No information available.

## Numerical measures of toxicity

### Acute Toxicity

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

ATEmix (oral) 93,821.00 mg/kg  
ATEmix (dermal) 9,592.00 mg/kg  
ATEmix (inhalation-dust/mist) 39.41 mg/l

## Component Information

**Toxicity Data** Data obtained on the component(s) include

| Chemical Name                                             | Oral LD50            | Dermal LD50                                        | Inhalation LC50                                      |
|-----------------------------------------------------------|----------------------|----------------------------------------------------|------------------------------------------------------|
| Acetone<br>67-64-1                                        | = 5800 mg/kg ( Rat ) | >15800 mg/Kg (rat)                                 | = 79 mg/l( Rat ) 4 h                                 |
| Hydrocarbons, C7, n-alkanes,<br>isoalkanes, cyclics<br>-- | LD50 >5840 mg/kg Rat | LD50 >2920 mg/kg (Rat)                             | -                                                    |
| Methyl ethyl ketone<br>78-93-3                            | = 2483 mg/kg ( Rat ) | = 5000 mg/kg ( Rabbit )                            | = 11700 ppm ( Rat ) 4 h                              |
| Ethyl acetate<br>141-78-6                                 | = 5620 mg/kg ( Rat ) | > 20 mL/kg ( Rabbit ) > 18000<br>mg/kg ( Rabbit )  | LC0 29.3 mg/l air                                    |
| Hydrocarbons, C6, isoalkanes,<br><5% n-hexane<br>--       | >16750 mg/Kg (rat)   | >3350 mg/Kg (rabbit OECD 402)                      | 259354 mg/m <sup>3</sup> (vapour) (rat OECD<br>403)  |
| Xylenes (o-, m-, p- isomers)<br>1330-20-7                 | = 3500 mg/kg ( Rat ) | > 4350 mg/kg ( Rabbit ) > 1700<br>mg/kg ( Rabbit ) | = >47635 mg/L ( Rat ) 4 h =<br>>5000 ppm ( Rat ) 4 h |
| Ethylbenzene<br>100-41-4                                  | = 3500 mg/kg ( Rat ) | = 15400 mg/kg ( Rabbit )                           | = 1432 mg/L ( Rat ) 4 h                              |
| Rosin<br>8050-09-7                                        | >2800 mg/Kg (rat)    | > 2500 mg/kg ( Rabbit )                            | = 1.5 mg/L ( Rat ) 4 h                               |

## Section 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

**Ecotoxicity** Harmful to aquatic life with long lasting effects

## Component Information

Data obtained on the component(s) include

| Chemical Name                                                | Algae/aquatic plants                                   | Fish                                                                                                                                                                                             | Crustacea                                              | M-Factor |
|--------------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|----------|
| Acetone<br>67-64-1                                           | -                                                      | LC50 96 h 4.74 - 6.33 mL/L<br>(Oncorhynchus mykiss )                                                                                                                                             | EC50 48 h 10294 - 17704<br>mg/L (Daphnia magna Static) |          |
| Hydrocarbons, C7,<br>n-alkanes, isoalkanes,<br>cyclics<br>-- | -                                                      | -                                                                                                                                                                                                | EL50 (48h) =3mg/L Daphnia                              |          |
| Methyl ethyl ketone<br>78-93-3                               | EC50=1972 mg/l<br>(Pseudokirchneriella<br>subcapitata) | LC50 96 h 3130 - 3320 mg/L<br>(Pimephales promelas<br>flow-through)                                                                                                                              | EC50 48 h > 308 mg/L<br>(Daphnia magna )               |          |
| Ethyl acetate<br>141-78-6                                    | EC50 48 h = 3300 mg/L<br>(Desmodesmus subspicatus)     | LC50 96 h 220 - 250 mg/L<br>(Pimephales promelas<br>flow-through) LC50 96 h 352 -<br>500 mg/L (Oncorhynchus<br>mykiss semi-static) LC50 96 h<br>= 484 mg/L (Oncorhynchus<br>mykiss flow-through) | EC50 48 h = 560 mg/L<br>(Daphnia magna Static)         |          |
| Hydrocarbons, C6,                                            | 13.6 mg/l (Pseudokirchneriella                         | 18.3 mg/l (Oncorhynchus                                                                                                                                                                          | 31.9 mg/l (Daphnia magna)                              |          |

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|-------------------------------------------|-------------------------------------------------------------------|--------------------------------------------------------------|----------------------------------------------|--|
| isoalkanes, <5% n-hexane<br>--            | subcapitata)                                                      | mykiss)                                                      |                                              |  |
| Xylenes (o-, m-, p- isomers)<br>1330-20-7 | -                                                                 | LC50 96 h 2.6 mg/L<br>(Oncorhynchus mykiss )<br>(OECD 203)   | EC50 48 h = 3.4 mg/L (water<br>flea )        |  |
| Ethylbenzene<br>100-41-4                  | EC50 72 h 2.6 - 11.3 mg/L<br>(Pseudokirchneriella<br>subcapitata) | LC50 96 h = 4.2 mg/L<br>(Oncorhynchus mykiss<br>semi-static) | EC50 48 h 1.8 - 2.4 mg/L<br>(Daphnia magna ) |  |
| Rosin<br>8050-09-7                        | EC50 72 h = 400 mg/L<br>(Desmodesmus subspicatus)                 | LC50 (96h) >10mg/L Fish<br>(Danio rerio)                     | EC50 48 h >100 mg/L<br>(Daphnia magna )      |  |

## 12.2. Persistence and degradability

No information available.

## 12.3. Bioaccumulative potential

No information available.

**Partition coefficient** No information available

## 12.4. Mobility in soil

**Mobility in soil** No information available.

## 12.5. Results of PBT and vPvB assessment

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

## 12.6. Other adverse effects

No information available

## **Endocrine Disruptor Information**

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## **Section 13: DISPOSAL CONSIDERATIONS**

### 13.1. Waste treatment methods

|                                            |                                                                                                     |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------|
| <b>Waste from Residues/Unused Products</b> | Disposal should be in accordance with applicable regional, national and local laws and regulations. |
| <b>Contaminated Packaging</b>              | Improper disposal or reuse of this container may be dangerous and illegal.                          |
| <b>European Waste Catalogue</b>            | 08 04 09* waste adhesives and sealants containing organic solvents or other dangerous substances    |
| <b>Other Information</b>                   | Waste codes should be assigned by the user based on the application for which the product was used. |

## **Section 14: TRANSPORTATION INFORMATION**

### ADR

|                                        |                                |
|----------------------------------------|--------------------------------|
| <b>14.1 UN/ID no</b>                   | UN1133                         |
| <b>14.2 Proper Shipping Name</b>       | Adhesives                      |
| <b>14.3 Transport hazard class(es)</b> | 3                              |
| <b>Labels</b>                          | 3                              |
| <b>14.4 Packing Group</b>              | III                            |
| <b>Description</b>                     | UN1133, Adhesives, 3, III, (E) |

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|                           |                |
|---------------------------|----------------|
| 14.5 Environmental Hazard | Not applicable |
| 14.6 Special Provisions   | None           |
| Classification Code       | F1             |
| Tunnel restriction code   | (E)            |
| Limited Quantity (LQ)     | 5 L            |

## IMDG

|                                                                               |                                         |
|-------------------------------------------------------------------------------|-----------------------------------------|
| 14.1 UN Number                                                                | UN1133                                  |
| 14.2 Proper Shipping Name                                                     | Adhesives                               |
| 14.3 Transport hazard class(es)                                               | 3                                       |
| 14.4 Packing Group                                                            | III                                     |
| Description                                                                   | UN1133, Adhesives, 3, III, (-20°C c.c.) |
| 14.5 Marine Pollutant                                                         | Np                                      |
| 14.6 Special Provisions                                                       | 223, 955                                |
| Limited Quantity (LQ)                                                         | 5 L                                     |
| EmS-No                                                                        | F-E, S-D                                |
| 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code | No information available                |

## RID

|                                 |                           |
|---------------------------------|---------------------------|
| 14.1 UN Number                  | UN1133                    |
| 14.2 Proper Shipping Name       | Adhesives                 |
| 14.3 Transport hazard class(es) | 3                         |
| Labels                          | 3                         |
| 14.4 Packing Group              | III                       |
| Description                     | UN1133, Adhesives, 3, III |
| 14.5 Environmental Hazard       | Not applicable            |
| Classification Code             | F1                        |
| 14.6 Special Provisions         | None                      |
| Limited Quantity (LQ)           | 5 L                       |

## ICAO (air)

|                           |                           |
|---------------------------|---------------------------|
| 14.1 UN/ID no             | UN1133                    |
| 14.2 Proper Shipping Name | Adhesives                 |
| 14.3 Hazard Class         | 3                         |
| 14.4 Packing Group        | III                       |
| Description               | UN1133, Adhesives, 3, III |
| 14.5 Environmental Hazard | Not applicable            |
| 14.6 Special Provisions   | A3                        |

## IATA

|                                 |                           |
|---------------------------------|---------------------------|
| 14.1 UN/ID no                   | UN1133                    |
| 14.2 Proper Shipping Name       | Adhesives                 |
| 14.3 Transport hazard class(es) | 3                         |
| 14.4 Packing Group              | III                       |
| Description                     | UN1133, Adhesives, 3, III |
| 14.5 Environmental Hazard       | Not applicable            |
| 14.6 Special Provisions         | A3                        |
| Limited Quantity (LQ)           | 10 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

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

### **EU-REACH (1907/2006) - Candidate List of Substances of Very High Concern (SVHC) for Authorization in accordance with Article 59**

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).

### **EU-REACH (1907/2006) - Annex XIV - List of substances subject to Authorization**

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  
or  
P5b - FLAMMABLE LIQUIDS  
or  
P5c - FLAMMABLE LIQUIDS

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

Not applicable

### **Persistent Organic Pollutants**

Not applicable

## 15.2. Chemical safety assessment

None

## **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**

H373 - May cause damage to organs through prolonged or repeated exposure  
H304 - May be fatal if swallowed and enters airways  
H332 - Harmful if inhaled  
H225 - Highly flammable liquid and vapour  
H412 - Harmful to aquatic life with long lasting effects  
H335 - May cause respiratory irritation  
H315 - Causes skin irritation  
H319 - Causes serious eye irritation  
H312 - Harmful in contact with skin  
H226 - Flammable liquid and vapour  
H336 - May cause drowsiness or dizziness  
H317 - May cause an allergic skin reaction  
H411 - Toxic to aquatic life with long lasting effects  
EUH066 - Repeated exposure may cause skin dryness or cracking

#### **Legend**

SVHC: Substances of Very High Concern for Authorisation:

#### **Legend** Section 8: Exposure controls and personal protection

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

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PBT Persistent, Bioaccumulative, and Toxic (PBT) Chemicals  
STOT (RE): Specific target organ toxicity - Repeated exposure  
STOT (SE): Specific target organ toxicity - Single exposure  
EWC: European Waste Catalogue

## Key literature references and sources for data

Classification and labeling data calculated from data received from raw material suppliers

**Prepared By** Product Safety & Regulatory Affairs

**Revision Date** 29-Nov-2017

## Indication of changes

**Revision Note** SDS sections updated: 3, 9, 11, 14.

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

**Further information** No information available

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

## Disclaimer

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

**End of Safety Data Sheet**