

# Safety data sheet in accordance

with 1907/2006/EC

**Trade name:** Seatec Epoxy Härter

**Current version :** 1.0.0, issued: 21.09.2020

**Replaced version:** -, issued: -

**Region:** GB

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

### 1.1 Product identifier

**Trade name**

**Seatec Epoxy Härter**

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

**Relevant identified uses of the substance or mixture**

Epoxy resin hardener

**Uses advised against**

No data available.

### 1.3 Details of the supplier of the safety data sheet

**Address**

SVB Spezialversand für Yacht- und Bootszubehör GmbH

Gelsenkirchener Strasse 25-27

28199 Bremen

Telephone no. +49(0) 421 57 29 0-0

e-mail info@svb.de

**Advice on Safety Data Sheet**

info@svb.de

### 1.4 Emergency telephone number

For medical advice (in German and English):

+49 (0)551 192 40 (Giftinformationszentrum Nord)

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

**Classification in accordance with Regulation (EC) No 1272/2008 (CLP)**

Aquatic Chronic 3; H412

Eye Dam. 1; H318

Flam. Liq. 3; H226

Skin Irrit. 2; H315

Skin Sens. 1B; H317

STOT RE 2; H373

STOT SE 3; H335

**Classification information**

Classification and labelling are based on toxicological studies performed on the product (mixture).

This product is assessed and classified using the methods and criteria below referred to in Article 9 of Regulation (EC) n° 1272/2008:

Physical hazards: determined through assessment data based on the methods or standards referred to in part 2 of Annex I to CLP

Health hazards and environmental hazards: determined through toxicological and ecotoxicological assessment data based on the methods or standards referred to in Part 3, 4 and 5 of Annex I to CLP.

### 2.2 Label elements

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

**Hazard pictograms**



GHS02



GHS05



GHS07



GHS08

**Signal word**

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Danger

## Hazardous component(s) to be indicated on label:

xylene

Amides, from C18-unsatd. fatty acid dimers, tall-oil fatty acids and triethylenetetramine, reaction products with bisphenol A-epichlorohydrin polymer

2-methylpropan-1-ol

butan-1-ol

## Hazard statement(s)

H226

Flammable liquid and vapour.

H315

Causes skin irritation.

H317

May cause an allergic skin reaction.

H318

Causes serious eye damage.

H335

May cause respiratory irritation.

H373

May cause damage to organs through prolonged or repeated exposure

H412

Harmful to aquatic life with long lasting effects.

## Hazard statements (EU)

EUH208

Contains 2,4,6-tris(dimethylaminomethyl)phenol. May produce an allergic reaction.

## Precautionary statement(s)

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.

P260

Do not breathe mist/vapours/spray.

P271

Use only outdoors or in a well-ventilated area.

P280

Wear protective gloves/protective clothing/eye protection/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.

P310

Immediately call a POISON CENTER/doctor.

P370+P378

In case of fire: Use water fog, foam, dry chemical or carbon dioxide (CO<sub>2</sub>) to extinguish.

P405

Store locked up.

P501

Dispose of contents/container to a facility in accordance with local/regional/national/international regulations.

## 2.3 Other hazards

PBT assessment

The components of this product are not considered to be a PBT.

vPvB assessment

The components of this product are not considered to be a vPvB.

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

Not applicable. The product is not a substance.

### 3.2 Mixtures

#### Chemical characterization

Mixture

#### Hazardous ingredients

| No | Substance name   | Additional information  |                              |
|----|--|---|------------------------------|
|    | CAS / EC / Index / REACH no                                | Classification (EC) 1272/2008 (CLP)   | Concentration %              |
| 1  | xylene   |   |                              |
|    | 1330-20-7<br>215-535-7<br>601-022-00-9<br>01-2119488216-32 | STOT RE 2; H373<br>Flam. Liq. 3; H226<br>Asp. Tox. 1; H304<br>Acute Tox. 4; H312<br>Skin Irrit. 2; H315 | >= 25.00 - < 50.00<br>%-b.w. |

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|   |  |   |                                   |        |
|---|--|---|-----------------------------------|--------|
|   |  | Eye Irrit. 2; H319<br>STOT SE 3; H335<br>Acute Tox. 4; H332   |                                   |        |
| 2 | <b>Amides, from C18-unsatd. fatty acid dimers, tall-oil fatty acids and triethylenetetramine, reaction products with bisphenol A-epichlorohydrin polymer</b> |   |                                   |        |
|   | 68953-09-3<br>-  | Eye Irrit. 2; H319<br>Skin Irrit. 2; H315<br>Skin Sens. 1B; H317  | >= 25.00 - < 50.00                | %-b.w. |
| 3 | <b>2-methylpropan-1-ol</b>   |   |                                   |        |
|   | 78-83-1<br>201-148-0<br>603-108-00-1<br>01-2119484609-23   | Eye Dam. 1; H318<br>Flam. Liq. 3; H226<br>Skin Irrit. 2; H315<br>STOT SE 3; H335<br>STOT SE 3; H336                       | >= 5.00 - < 10.00                 | %-b.w. |
| 4 | <b>butan-1-ol</b>  |   |                                   |        |
|   | 71-36-3<br>200-751-6<br>603-004-00-6<br>01-2119484630-38   | Acute Tox. 4; H302<br>Eye Dam. 1; H318<br>Flam. Liq. 3; H226<br>Skin Irrit. 2; H315<br>STOT SE 3; H335<br>STOT SE 3; H336 | >= 5.00 - < 10.00                 | %-b.w. |
| 5 | <b>2,4,6-tris(dimethylaminomethyl)phenol</b>   |   | <b>pls. refer to footnote (1)</b> |        |
|   | 90-72-2<br>202-013-9<br>603-069-00-0<br>01-2119560597-27   | Eye Dam. 1; H318<br>Skin Corr. 1C; H314<br>Acute Tox. 4; H302<br>Skin Sens. 1B; H317                                      | < 2.50                            | %-b.w. |

Full Text for all H-phrases and EUH-phrases: pls. see section 16

(1) Aberrant from/in addition to the classification set out in Annex VI, this substance is classified according to European Regulation (EC) No 1272/2008 (CLP), Article 4 (3), paragraph 2.

| No | Note | Specific concentration limits | M-factor (acute) | M-factor (chronic) |
|----|------|-------------------------------|------------------|--------------------|
| 1  | C    | STOT RE 2; H373: C >= 10%     | -                | -                  |

Full text for the notes: pls. see section 16 "Notes relating to the identification, classification and labelling of substances ((EC) No 1272/2008, Annex VI)".

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General information

Poisonous symptoms can first be observed after several hours, therefore medical observation for at least 48 hours is necessary. Adhere to personal protective measures when giving first aid. Remove contaminated, soaked clothing immediately and dispose of safely. If the patient is likely to become unconscious, place and transport in stable sideways position.

#### After inhalation

When inhaled remove to fresh air and seek medical aid. Irregular breathing/no breathing: artificial respiration.

#### After skin contact

In case of contact with skin wash off immediately with copious amounts of water. Consult a doctor if skin irritation persists. Remove contaminated clothing.

#### After eye contact

Remove contact lenses. Rinse eye thoroughly under running water keeping eyelids wide open and protecting the unaffected eye (at least 10 to 15 minutes).

#### After ingestion

Seek medical attention. Do not induce vomiting. Never give anything by mouth to an unconscious person.

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

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No data available.

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

No data available.

### **SECTION 5: Firefighting measures**

#### **5.1 Extinguishing media**

##### **Suitable extinguishing media**

Carbon dioxide; Extinguishing powder; Foam

##### **Unsuitable extinguishing media**

High power water jet

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

In the event of fire, the following can be released: Carbon dioxide (CO<sub>2</sub>); Carbon monoxide (CO); Nitrogen oxides (NO<sub>x</sub>); not combusted hydrocarbons (fumes)

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

Fire-fighting operations, rescue and clearing work under effect of combustion and smoulder gases just may be done with breathing apparatus. Cool endangered containers with water spray jet. Run-off water from fire fighting must not be discharged into drains or enter surface water. Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

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

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

##### **For non-emergency personnel**

Refer to protective measures listed in sections 7 and 8. Avoid contact with skin, eyes and clothing. Ensure adequate ventilation. Remove persons to safety. Keep away from ignition sources. Do not inhale vapours.

##### **For emergency responders**

No data available. Personal protective equipment (PPE) - see Section 8.

#### **6.2 Environmental precautions**

Do not discharge into the drains/surface waters/groundwater. Do not discharge into the subsoil/soil. In case of entry into waterways, soil or drains, inform the responsible authorities.

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

Pick up with absorbent material (e.g., sand, kieselguhr, acid binder, universal binder, sawdust) and send for disposal. Do not rinse away using water or aqueous detergents. Dispose of absorbed material in accordance with the regulations.

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

Information regarding waste disposal, see section 13.

### **SECTION 7: Handling and storage**

#### **7.1 Precautions for safe handling**

##### **Advice on safe handling**

Keep container tightly closed. Provide good ventilation at the work area (local exhaust ventilation, if necessary).

##### **General protective and hygiene measures**

Wash hands and skin before breaks and after work. Remove soiled or soaked clothing immediately. Keep away from foodstuffs and beverages. Avoid contact with eyes and skin. Provide eye wash fountain in work area. Do not inhale gases/vapours/aerosols.

##### **Advice on protection against fire and explosion**

Take precautionary measures against static charges. Keep away from sources of ignition - refrain from smoking. Vapours can form an explosive mixture with air. Use explosion-proof equipment/fittings and non-sparking tools.

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

##### **Technical measures and storage conditions**

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Keep container tightly closed, cool and dry. Stabilizer may lose effectiveness by long-term storage of product.

### Requirements for storage rooms and vessels

Store in original packing at room temperature.

### Incompatible products

Store the foodstuffs separately. Do not store together with: oxidizing agents; Acids; Alkalis; Reducing agents

### 7.3 Specific end use(s)

No data available.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational exposure limit values

| No | Substance name  | CAS no.          | EC no.                    |
|----|---|------------------|---------------------------|
| 1  | <b>xylene</b>   | <b>1330-20-7</b> | <b>215-535-7</b>          |
|    | <b>2000/39/EC</b>   |                  |                           |
|    | Xylene, mixed isomers, pure                                     |                  |                           |
|    | WEL short-term (15 min reference period)                        | 442              | mg/m <sup>3</sup> 100 ppm |
|    | WEL long-term (8-hr TWA reference period)                       | 221              | mg/m <sup>3</sup> 50 ppm  |
|    | Skin resorption / sensibilisation                               | Skin             |                           |
|    | <b>List of approved workplace exposure limits (WELs) / EH40</b> |                  |                           |
|    | Xylene, o-, m-, p- or mixed isomers                             |                  |                           |
|    | WEL short-term (15 min reference period)                        | 441              | mg/m <sup>3</sup> 100 ppm |
|    | WEL long-term (8-hr TWA reference period)                       | 220              | mg/m <sup>3</sup> 50 ppm  |
|    | Comments  | Sk, BMGV         |                           |
| 2  | <b>2-methylpropan-1-ol</b>                                      | <b>78-83-1</b>   | <b>201-148-0</b>          |
|    | <b>List of approved workplace exposure limits (WELs) / EH40</b> |                  |                           |
|    | 2-Methylpropan-1-ol   |                  |                           |
|    | WEL short-term (15 min reference period)                        | 231              | mg/m <sup>3</sup> 75 ppm  |
|    | WEL long-term (8-hr TWA reference period)                       | 154              | mg/m <sup>3</sup> 50 ppm  |
| 3  | <b>butan-1-ol</b>   | <b>71-36-3</b>   | <b>200-751-6</b>          |
|    | <b>List of approved workplace exposure limits (WELs) / EH40</b> |                  |                           |
|    | Butan-1-ol  |                  |                           |
|    | WEL short-term (15 min reference period)                        | 154              | mg/m <sup>3</sup> 50 ppm  |
|    | Comments  | Sk               |                           |

#### DNEL, DMEL and PNEC values

##### DNEL values (worker)

| No | Substance name             | CAS / EC no                          |        |                       |
|----|----------------------------|--------------------------------------|--------|-----------------------|
|    | Route of exposure          | Exposure time                        | Effect | Value                 |
| 1  | <b>xylene</b>              | <b>1330-20-7</b><br><b>215-535-7</b> |        |                       |
|    | dermal                     | Long term (chronic)                  |        | 180 mg/kg/day         |
|    | inhalative                 | Short term (acute)                   |        | 289 mg/m <sup>3</sup> |
|    | inhalative                 | Long term (chronic)                  |        | 77 mg/m <sup>3</sup>  |
| 2  | <b>2-methylpropan-1-ol</b> | <b>78-83-1</b><br><b>201-148-0</b>   |        |                       |
|    | inhalative                 | Long term (chronic)                  | local  | 310 mg/m <sup>3</sup> |
| 3  | <b>butan-1-ol</b>          | <b>71-36-3</b><br><b>200-751-6</b>   |        |                       |
|    | inhalative                 | Long term (chronic)                  | local  | 310 mg/m <sup>3</sup> |

##### DNEL value (consumer)

| No | Substance name    | CAS / EC no      |        |       |
|----|-------------------|------------------|--------|-------|
|    | Route of exposure | Exposure time    | Effect | Value |
| 1  | <b>xylene</b>     | <b>1330-20-7</b> |        |       |

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|   |                            |                     |          |                                    |
|---|----------------------------|---------------------|----------|------------------------------------|
|   |                            |                     |          | <b>215-535-7</b>                   |
|   | oral                       | Long term (chronic) |          | 1.6 mg/kg/day                      |
|   | dermal                     | Long term (chronic) |          | 108 mg/kg/day                      |
|   | inhalative                 | Short term (acute)  |          | 174 mg/m <sup>3</sup>              |
|   | inhalative                 | Long term (chronic) |          | 14.8 mg/m <sup>3</sup>             |
| 2 | <b>2-methylpropan-1-ol</b> |                     |          | <b>78-83-1</b><br><b>201-148-0</b> |
|   | inhalative                 | Long term (chronic) | local    | 55 mg/m <sup>3</sup>               |
| 3 | <b>butan-1-ol</b>          |                     |          | <b>71-36-3</b><br><b>200-751-6</b> |
|   | oral                       | Long term (chronic) | systemic | 3.125 mg/kg/day                    |
|   | inhalative                 | Long term (chronic) | local    | 55 mg/m <sup>3</sup>               |

## PNEC values

| No | Substance name                |                       | CAS / EC no                          |
|----|-------------------------------|-----------------------|--------------------------------------|
|    | ecological compartment        | Type                  | Value                                |
| 1  | <b>xylene</b>                 |                       | <b>1330-20-7</b><br><b>215-535-7</b> |
|    | water                         | fresh water           | 0.327 mg/L                           |
|    | water                         | marine water          | 0.327 mg/L                           |
|    | water                         | fresh water sediment  | 12.46 mg/kg                          |
|    | water                         | marine water sediment | 12.46 mg/kg                          |
|    | soil                          | -                     | 2.31 mg/kg                           |
|    | sewage treatment plant        | -                     | 6.58 mg/L                            |
| 2  | <b>2-methylpropan-1-ol</b>    |                       | <b>78-83-1</b><br><b>201-148-0</b>   |
|    | water                         | fresh water           | 0.4 mg/L                             |
|    | water                         | marine water          | 0.04 mg/L                            |
|    | water                         | Aqua intermittent     | 11 mg/L                              |
|    | water                         | fresh water sediment  | 1.56 mg/kg                           |
|    | with reference to: dry weight |                       |                                      |
|    | water                         | marine water sediment | 0.152 mg/kg                          |
|    | with reference to: dry weight |                       |                                      |
|    | soil                          | -                     | 0.076 mg/kg                          |
|    | with reference to: dry weight |                       |                                      |
|    | sewage treatment plant        | -                     | 10 mg/L                              |
| 3  | <b>butan-1-ol</b>             |                       | <b>71-36-3</b><br><b>200-751-6</b>   |
|    | water                         | fresh water           | 0.082 mg/L                           |
|    | water                         | marine water          | 0.0082 mg/L                          |
|    | water                         | Aqua intermittent     | 2.25 mg/L                            |
|    | water                         | fresh water sediment  | 0.178 mg/kg                          |
|    | with reference to: dry weight |                       |                                      |
|    | water                         | marine water sediment | 0.0178 mg/kg                         |
|    | with reference to: dry weight |                       |                                      |
|    | soil                          | -                     | 0.015 mg/kg                          |
|    | with reference to: dry weight |                       |                                      |
|    | sewage treatment plant        | -                     | 2476 mg/L                            |

## 8.2 Exposure controls

### Appropriate engineering controls

No data available.

### Personal protective equipment

#### Respiratory protection

If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In case of brief exposure or low level concentrations use a respiratory filter device. Short term: filter apparatus, combination filter A-P2; In case of intensive or longer exposure use self-contained breathing apparatus.

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## Eye / face protection

Tightly fitting safety glasses (EN 166).

## Hand protection

Protective gloves (EN 374); Protective gloves (EN 374)

|                        |                |     |     |
|------------------------|----------------|-----|-----|
| Appropriate Material   | nitrile rubber |     |     |
| Material thickness     | >=             | 0.4 | mm  |
| Breakthrough time      | >              | 480 | min |
| Inappropriate material | PVC            |     |     |
| Material thickness     | >=             | 0.5 | mm  |
| Breakthrough time      | >              | 480 | min |

## Other

Protective work clothing.

## Environmental exposure controls

No data available.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

|  |              |
|--|--------------|
| <b>Form/Colour</b>   |              |
| liquid   |              |
| yellow   |              |
| <b>Odour</b>   |              |
| amine-like   |              |
| <b>Odour threshold</b>   |              |
| No data available  |              |
| <b>pH value</b>  |              |
| not determined   |              |
| <b>Boiling point / boiling range</b>   |              |
| No data available  |              |
| <b>Melting point / melting range</b>   |              |
| No data available  |              |
| <b>Decomposition point / decomposition range</b>   |              |
| No data available  |              |
| <b>Flash point</b>   |              |
| Value  | 23 - 60 °C   |
| Source   | Manufacturer |
| <b>Auto-ignition temperature</b>   |              |
| No data available  |              |
| <b>Oxidising properties</b>  |              |
| No data available  |              |
| <b>Explosive properties</b>  |              |
| This product is not explosive. In and after use danger of production of inflammable compounds. |              |
| <b>Flammability (solid, gas)</b>   |              |
| No data available  |              |
| <b>Lower flammability or explosive limits</b>  |              |
| No data available  |              |
| <b>Upper flammability or explosive limits</b>  |              |
| No data available  |              |
| <b>Vapour pressure</b>   |              |

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|                       |        |     |
|-----------------------|--------|-----|
| Value                 | 0.89   | kPa |
| Reference temperature | 20     | °C  |
| Reference substance   | Xylene |     |

#### Vapour density

not determined

#### Evaporation rate

No data available

#### Relative density

No data available

#### Density

|                       |              |                   |
|-----------------------|--------------|-------------------|
| Value                 | 0.92         | g/cm <sup>3</sup> |
| Reference temperature | 20           | °C                |
| Source                | Manufacturer |                   |

#### Solubility in water

Comments partly soluble

#### Solubility(ies)

No data available

#### Partition coefficient: n-octanol/water

| No                    | Substance name      | CAS no.   | EC no.    |
|-----------------------|---------------------|-----------|-----------|
| 1                     | xylene              | 1330-20-7 | 215-535-7 |
| log Pow               |                     |           | 3.12      |
| Reference temperature |                     |           | 20 °C     |
| Source                | ECHA                |           |           |
| 2                     | 2-methylpropan-1-ol | 78-83-1   | 201-148-0 |
| log Pow               |                     |           | 0.31      |
| Method                | calculated          |           |           |
| Source                | ECHA                |           |           |

#### Viscosity

|                       |              |      |                    |
|-----------------------|--------------|------|--------------------|
| Value                 | >            | 20.5 | mm <sup>2</sup> /s |
| Reference temperature |              | 40   | °C                 |
| Type                  | kinematic    |      |                    |
| Source                | Manufacturer |      |                    |

#### Solvent content

|       |    |          |
|-------|----|----------|
| Value | 55 | % weight |
|-------|----|----------|

## 9.2 Other information

#### Other information

No data available.

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No data available.

### 10.2 Chemical stability

Stable if stored and handled properly.

### 10.3 Possibility of hazardous reactions

Vapours may form an explosive mixture with air.

### 10.4 Conditions to avoid

Protect from heat and direct sunlight. Heat, naked flames and other ignition sources. Static discharges.

### 10.5 Incompatible materials



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Reducing agents; Oxidizing agents; Acids; Alkalis

## 10.6 Hazardous decomposition products

In case of fire: see section 5.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

| Acute oral toxicity |                     |                                |            |
|---------------------|---------------------|--------------------------------|------------|
| No                  | Product Name        |                                |            |
| 1                   | Seatec Epoxy Härter |                                |            |
| LD50                |                     | >                              | 2000 mg/kg |
| Method              |                     | acute toxicity estimated value |            |
| Source              |                     | Manufacturer                   |            |

| Acute dermal toxicity |                     |                    |            |
|-----------------------|---------------------|--------------------|------------|
| No                    | Product Name        |                    |            |
| 1                     | Seatec Epoxy Härter |                    |            |
| LD50                  |                     | >                  | 2000 mg/kg |
| Method                |                     | calculation method |            |
| Source                |                     | Manufacturer       |            |

| Acute inhalational toxicity |                     |                    |                      |
|-----------------------------|---------------------|--------------------|----------------------|
| No                          | Product Name        |                    |                      |
| 1                           | Seatec Epoxy Härter |                    |                      |
| LC50                        |                     | >                  | 20 mg/m <sup>3</sup> |
| State of aggregation        |                     | Vapour             |                      |
| Method                      |                     | calculation method |                      |
| Source                      |                     | Manufacturer       |                      |

| Skin corrosion/irritation |                     |   |           |
|---------------------------|---------------------|---|-----------|
| No                        | Substance name      | CAS no.   | EC no.    |
| 1                         | 2-methylpropan-1-ol | 78-83-1   | 201-148-0 |
| Duration of exposure      |                     | 24  | h         |
| Species                   |                     | rabbit  |           |
| Method                    |                     | USFDA Code of Federal Regulations Title 16, Section 1500.41   |           |
| Source                    |                     | ECHA  |           |
| Evaluation                |                     | irritant  |           |
| Evaluation/classification |                     | Based on available data, the classification criteria are met. |           |
| 2                         | butan-1-ol          | 71-36-3   | 200-751-6 |
| Species                   |                     | rabbit  |           |
| Source                    |                     | ECHA  |           |
| Evaluation                |                     | irritant  |           |

| Serious eye damage/irritation |                     |   |           |
|-------------------------------|---------------------|---|-----------|
| No                            | Substance name      | CAS no.   | EC no.    |
| 1                             | 2-methylpropan-1-ol | 78-83-1   | 201-148-0 |
| Duration of exposure          |                     | 24  | h         |
| Species                       |                     | rabbit  |           |
| Method                        |                     | OECD 405  |           |
| Source                        |                     | ECHA  |           |
| Evaluation                    |                     | Irreversible effects on the eye                               |           |
| Evaluation/classification     |                     | Based on available data, the classification criteria are met. |           |
| 2                             | butan-1-ol          | 71-36-3   | 200-751-6 |
| Species                       |                     | rabbit  |           |
| Method                        |                     | OECD 405  |           |
| Source                        |                     | ECHA  |           |
| Evaluation                    |                     | strongly irritant   |           |

| Respiratory or skin sensitisation |  |  |  |
|-----------------------------------|--|--|--|
|-----------------------------------|--|--|--|

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| No                        | Substance name      | CAS no.   | EC no.    |
|---------------------------|---------------------|---|-----------|
| 1                         | 2-methylpropan-1-ol | 78-83-1   | 201-148-0 |
| Route of exposure         |                     | Skin  |           |
| Method                    |                     | QSAR  |           |
| Source                    |                     | ECHA  |           |
| Evaluation                |                     | non-sensitizing   |           |
| Evaluation/classification |                     | Based on available data, the classification criteria are not met. |           |

### Germ cell mutagenicity

| No                        | Substance name | CAS no.   | EC no.    |
|---------------------------|----------------|---|-----------|
| 1                         | xylene         | 1330-20-7   | 215-535-7 |
| Species                   |                | Chinese hamster Ovary (CHO)                                       |           |
| Source                    |                | ECHA  |           |
| Evaluation/classification |                | Based on available data, the classification criteria are not met. |           |
| 2                         | butan-1-ol     | 71-36-3   | 200-751-6 |
| Source                    |                | ECHA  |           |
| Evaluation/classification |                | Based on available data, the classification criteria are not met. |           |

### Reproduction toxicity

| No                        | Substance name | CAS no.   | EC no.    |
|---------------------------|----------------|---|-----------|
| 1                         | butan-1-ol     | 71-36-3   | 200-751-6 |
| Source                    |                | ECHA  |           |
| Evaluation/classification |                | Based on available data, the classification criteria are not met. |           |

### Carcinogenicity

| No                        | Substance name | CAS no.   | EC no.    |
|---------------------------|----------------|---|-----------|
| 1                         | xylene         | 1330-20-7   | 215-535-7 |
| Species                   |                | mouse   |           |
| Source                    |                | ECHA  |           |
| Evaluation/classification |                | Based on available data, the classification criteria are not met. |           |

### STOT - single exposure

No data available

### STOT - repeated exposure

No data available

### Aspiration hazard

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

## SECTION 12: Ecological information

### 12.1 Toxicity

| Toxicity to fish (acute)  |                     |
|---|---------------------|
| No  | Product Name        |
| 1   | Seatec Epoxy Härter |
| Evaluation/classification   |                     |
| Based on available data, the classification criteria are not met. |                     |

| Toxicity to fish (chronic) |  |
|----------------------------|--|
| No data available          |  |

| Toxicity to Daphnia (acute) |  |
|-----------------------------|--|
| No data available           |  |

| Toxicity to Daphnia (chronic) |  |
|-------------------------------|--|
| No data available             |  |

| Toxicity to algae (acute) |  |
|---------------------------|--|
| No data available         |  |

| Toxicity to algae (chronic) |  |
|-----------------------------|--|
| No data available           |  |

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| Bacteria toxicity    |                |                    |           |
|----------------------|----------------|--------------------|-----------|
| No                   | Substance name | CAS no.            | EC no.    |
| 1                    | butan-1-ol     | 71-36-3            | 200-751-6 |
| EC50                 |                | 4390               | mg/l      |
| Duration of exposure |                | 17                 | h         |
| Species              |                | Pseudomonas putida |           |
| Method               |                | DIN 38412          |           |
| Source               |                | ECHA               |           |

## 12.2 Persistence and degradability

| Biodegradability |                     |                       |           |
|------------------|---------------------|-----------------------|-----------|
| No               | Substance name      | CAS no.               | EC no.    |
| 1                | 2-methylpropan-1-ol | 78-83-1               | 201-148-0 |
| Type             |                     | BOD/COD               |           |
| Value            |                     | 70                    | %         |
| Duration         |                     | 28                    | day(s)    |
| Method           |                     | OECD 301 D            |           |
| Source           |                     | ECHA                  |           |
| Evaluation       |                     | readily biodegradable |           |
| 2                | butan-1-ol          | 71-36-3               | 200-751-6 |
| Type             |                     | DOC decrease          |           |
| Value            |                     | 92                    | %         |
| Duration         |                     | 20                    | day(s)    |
| Method           |                     | OECD                  |           |
| Source           |                     | ECHA                  |           |
| Evaluation       |                     | readily biodegradable |           |

## 12.3 Bioaccumulative potential

| Partition coefficient: n-octanol/water |                     |            |           |
|--|---------------------|------------|-----------|
| No                                     | Substance name      | CAS no.    | EC no.    |
| 1                                      | xylene              | 1330-20-7  | 215-535-7 |
| log Pow                                |                     | 3.12       |           |
| Reference temperature                  |                     | 20         | °C        |
| Source                                 |                     | ECHA       |           |
| 2                                      | 2-methylpropan-1-ol | 78-83-1    | 201-148-0 |
| log Pow                                |                     | 0.31       |           |
| Method                                 |                     | calculated |           |
| Source                                 |                     | ECHA       |           |

## 12.4 Mobility in soil

No data available.

## 12.5 Results of PBT and vPvB assessment

| Results of PBT and vPvB assessment |   |
|------------------------------------|---|
| PBT assessment                     | The components of this product are not considered to be a PBT.  |
| vPvB assessment                    | The components of this product are not considered to be a vPvB. |

## 12.6 Other adverse effects

No data available.

## 12.7 Other information

| Other information  |
|--|
| Do not discharge product unmonitored into the environment. |

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Product

Waste code 08 01 11\* waste paint and varnish containing organic solvents or other hazardous

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substances

The listed waste code numbers, according to the European Waste Catalogue, are to be understood as a recommendation. A final decision must be made in agreement with the regional waste disposal company. Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

### **Packaging**

Waste code 15 01 10\* packaging containing residues of or contaminated by hazardous substances

Residuals must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.

## **SECTION 14: Transport information**

### **14.1 Transport ADR/RID/ADN**

|                           |        |
|---------------------------|--------|
| Class                     | 3      |
| Classification code       | F1     |
| Packing group             | III    |
| Hazard identification no. | 30     |
| UN number                 | UN1263 |
| Proper shipping name      | PAINT  |
| Tunnel restriction code   | D/E    |
| Label                     | 3      |

### **14.2 Transport IMDG**

|                      |          |
|----------------------|----------|
| Class                | 3        |
| Packing group        | III      |
| UN number            | UN1263   |
| Proper shipping name | PAINT    |
| EmS                  | F-E, S-E |
| Label                | 3        |

### **14.3 Transport ICAO-TI / IATA**

|                      |        |
|----------------------|--------|
| Class                | 3      |
| Packing group        | III    |
| UN number            | UN1263 |
| Proper shipping name | Paint  |
| Label                | 3      |

### **14.4 Other information**

No data available.

### **14.5 Environmental hazards**

Information on environmental hazards, if relevant, please see 14.1 - 14.3.

### **14.6 Special precautions for user**

No data available.

### **14.7 Transport in bulk according to Annex II of Marpol and the IBC Code**

Not relevant

## **SECTION 15: Regulatory information**

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

#### **EU regulations**

##### **Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation)**

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances considered as substances requiring authorisation as listed on Annex XIV of the REACH regulation (EC) 1907/2006.

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## REACH candidate list of substances of very high concern (SVHC) for authorisation

According to available data and the information provided by preliminary suppliers, the product does not contain substances that are considered substances meeting the criteria for inclusion in annex XIV (List of Substances Subject to Authorisation) as laid down in Article 57 and article 59 of REACH (EC) 1907/2006.

## Regulation (EC) No 1907/2006 (REACH) Annex XVII: RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, PREPARATIONS AND ARTICLES

|   |          |
|---|----------|
| The product is considered being subject to REACH regulation (EC) 1907/2006 annexe XVII. | No 3, 40 |
|---|----------|

## Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances

|  |     |
|--|-----|
| This product is subject to Part I of Annex I, risk category: | P5c |
|--|-----|

## Other regulations

Observe employment restrictions for young people.  
Observe employment restrictions for child bearing mothers and nursing mothers.

## 15.2 Chemical safety assessment

A chemical safety assessment has not been carried out for this mixture.

## SECTION 16: Other information

### Sources of key data used to compile the data sheet:

Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.

Directives 2000/39/EC, 2006/15/EC, 2009/161/EU, (EU) 2017/164.

National Threshold Limit Values of the corresponding countries as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding section.

### Full text of the H- and EUH- phrases drawn up in sections 2 and 3 (provided not already drawn up in these sections)

|      |   |
|------|---|
| H302 | Harmful if swallowed.                         |
| H304 | May be fatal if swallowed and enters airways. |
| H312 | Harmful in contact with skin.                 |
| H314 | Causes severe skin burns and eye damage.      |
| H319 | Causes serious eye irritation.                |
| H332 | Harmful if inhaled.                           |
| H336 | May cause drowsiness or dizziness.            |

### Notes relating to the identification, classification and labelling of substances and mixtures ((EC) No 1272/2008, Annex VI)

|   |  |
|---|--|
| 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. |
|---|--|

### Creation of the safety data sheet

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This information is based on our present knowledge and experience.

The safety data sheet describes products with a view to safety requirements.

It does not however, constitute a guarantee for any specific product properties and shall not establish a legally valid contractual relationship.

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