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

1.1. Product identifier

<table>
<thead>
<tr>
<th>Product form</th>
<th>Mixture</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product name</td>
<td>GlassCast 3 Clear Epoxy Surface Resin</td>
</tr>
<tr>
<td>Type of product</td>
<td>Resin</td>
</tr>
</tbody>
</table>

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

1.2.1. Relevant identified uses

<table>
<thead>
<tr>
<th>Intended for general public</th>
<th>Industrial use</th>
</tr>
</thead>
<tbody>
<tr>
<td>Main use category</td>
<td>Intended for general public</td>
</tr>
<tr>
<td>Industrial/Professional use spec</td>
<td>Industrial</td>
</tr>
</tbody>
</table>

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Easy Composites Ltd
Unit 39, Park Hall Business Village, Stoke on Trent, Staffordshire, ST3 5XA. United Kingdom.
T +44 (0) 1782 454499 (08:00 - 17:30hrs, Mon-Fri) - sales@easycomposites.co.uk - www.easycomposites.co.uk

1.4. Emergency telephone number

<table>
<thead>
<tr>
<th>Emergency number</th>
<th>1782 454499 (08:00 - 17:30hrs, Mon-Fri)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Emergency number</td>
<td>44 (0) 1782 454499 (08:00 - 17:30hrs, Mon-Fri)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Country</th>
<th>Organisation/Company</th>
<th>Address</th>
<th>Emergency number</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>United Kingdom</td>
<td>National Poisons Information Service Edinburgh Royal Infirmary of Edinburgh</td>
<td>Little France Crescent EH16 4SA Edinburgh</td>
<td>0344 892 0111</td>
<td></td>
</tr>
<tr>
<td>United Kingdom</td>
<td>Guy’s &amp; St Thomas’ Poisons Unit Medical Toxicology Unit, Guy's &amp; St Thomas' Hospital Trust</td>
<td>Avonley Road SE14 5ER London</td>
<td>+44 20 7188 7188</td>
<td></td>
</tr>
</tbody>
</table>

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture


| Skin corrosion/irritation, Category 1B | H314 |
| Skin sensitisation, Category 1        | H317 |
| Reproductive toxicity, Category 2     | H361 |
| Hazardous to the aquatic environment — Acute Hazard, Category 1 | H400 |
| Hazardous to the aquatic environment — Chronic Hazard, Category 1 | H410 |

Full text of H statements: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

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

Hazard pictograms (CLP):

- GHS05
- GHS07
- GHS08
- GHS09

Signal word (CLP): Danger

Hazardous ingredients:

reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700); Formaldehyde, polymer with (chloromethyl)oxirane and phenol; 4-nonylphenol, branched; C13/C15-Alkylglycidylether
GlassCast™ 3 Clear Epoxy Surface Resin

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Hazard statements (CLP)

- H314 - Causes severe skin burns and eye damage.
- H317 - May cause an allergic skin reaction.
- H361 - Suspected of damaging fertility. Suspected of damaging the unborn child.
- H410 - Very toxic to aquatic life with long lasting effects.

Precautionary statements (CLP)

- P102 - Keep out of reach of children.
- P270 - Do not eat, drink or smoke when using this product.
- P280 - Wear protective gloves, protective clothing, eye protection.
- P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER/doctor.
- P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

EUH-statements

- EUH205 - Contains epoxy constituents. May produce an allergic reaction.

2.3. Other hazards

Other hazards not contributing to the classification

None under normal conditions.

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>Classification according to Regulation (EC) No. 1272/2008 [CLP]</th>
</tr>
</thead>
<tbody>
<tr>
<td>reaction product: bisphenol-A/(epichlorhydrin): epoxy resin (number average molecular weight ≤ 700)</td>
<td>(CAS-No.) 25068-38-6 (EC-No.) 500-033-5 (EC Index-No.) 603-074-00-8 (REACH-no) 01-2119456619-26</td>
<td>40 - 80</td>
<td>Eye Irrit. 2, H319 Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Chronic 2, H411</td>
</tr>
<tr>
<td>Formaldehyde, polymer with (chloromethyl)oxirane and phenol</td>
<td>(CAS-No.) 9003-36-5 (EC-No.) 500-006-8 (REACH-no) 01-2119454392-40</td>
<td>10 - 40</td>
<td>Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Chronic 2, H411 Eye Irrit. 2, H319</td>
</tr>
<tr>
<td>4-nonylphenol, branched substance listed as REACH Candidate</td>
<td>(CAS-No.) 84852-15-3 (EC-No.) 284-325-5 (EC Index-No.) 601-053-00-8 (REACH-no) 01-2119510715-45</td>
<td>1 - 10</td>
<td>Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314 Eye Dam. 1, H318 Repr. 2, H361fd Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=10)</td>
</tr>
</tbody>
</table>

Specific concentration limits:

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>Specific concentration limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>reaction product: bisphenol-A/(epichlorhydrin): epoxy resin (number average molecular weight ≤ 700)</td>
<td>(CAS-No.) 25068-38-6 (EC-No.) 500-033-5 (EC Index-No.) 603-074-00-8 (REACH-no) 01-2119456619-26</td>
<td>(C &gt;= 5) Skin Irrit. 2, H315 (C &gt;= 5) Eye Irrit. 2, H319</td>
</tr>
</tbody>
</table>

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general

- IF exposed or concerned: Get medical advice/attention.
- Allow the victim to rest. Assure fresh air breathing. Give oxygen or artificial respiration if necessary. If breathing stops, give artificial respiration. Call a POISON CENTER/doctor.

First-aid measures after inhalation

- Take off contaminated clothes, wash skin with plenty of water or have a shower (during minimum 15 minutes) and if necessary take medical advice. Be careful, the product may remain trapped under clothing, footwear or a wrist-watch. Do not use solvents or thinners. If on skin and if skin irritation or rash occurs, seek medical advice and attention.

First-aid measures after skin contact

- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Consult an eye specialist immediately.
First-aid measures after ingestion:

**Do NOT induce vomiting. Rinse mouth. Immediately call a POISON CENTER/doctor.**

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

**Symptoms/effects after inhalation:**
May cause irritation to the respiratory tract, sneezing, coughing, burning sensation of throat with constricting sensation of the larynx and difficulty in breathing.

**Symptoms/effects after skin contact:**
Causes skin irritation. May cause moderate irritation. This material or its emissions may induce an allergic or sensitization reaction and thereby aggravate existing systemic disease.

**Symptoms/effects after eye contact:**
Causes eye irritation. May cause moderate irritation, including burning sensation, tearing, redness or swelling.

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

For the Anti-poison Center indicate all the components including the non dangerous ones to obtain (when possible) a total of 100 %.

### SECTION 5: Firefighting measures

**5.1. Extinguishing media**

- **Suitable extinguishing media:** Carbon dioxide. Water spray. Dry powder. Alcohol resistant foam.
- **Unsuitable extinguishing media:** Do not use a heavy water stream.

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

- **Explosion hazard:** Heat may cause pressure rise with explosion of tanks/drums.
- **Hazardous decomposition products in case of fire:** Carbon dioxide. Carbon monoxide. Nitrogen oxides. Toxic fumes.

**5.3. Advice for firefighters**

- **Firefighting instructions:** Evacuate the danger area. Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

- **Protection during firefighting:** Do not enter fire area without proper protective equipment, including respiratory protection.

- **Other information:** Exercise caution when fighting any chemical fire.

### SECTION 6: Accidental release measures

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

**6.1.1. For non-emergency personnel**

- **Protective equipment:** Manipulations are to be done only by qualified and authorised persons. Wear recommended personal protective equipment.
- **Emergency procedures:** If a major spill occurs, all personnel should be immediately evacuated and the area ventilated.

**6.1.2. For emergency responders**

- **Protective equipment:** Spill should be handled by trained cleaning personnel properly equipped with respiratory and eye protection. Wear proper protective equipment.
- **Emergency procedures:** Stop release. Place in an appropriate container and dispose of the contaminated material at a licensed site.

**6.2. Environmental precautions**

Prevent entry to sewers and public waters. Avoid release to the environment. Notify authorities if liquid enters sewers or public waters.

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

- **Methods for cleaning up:** Clean up any spills as soon as possible, using an absorbent material to collect it. Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal.

**6.4. Reference to other sections**

Concerning personal protective equipment to use, see section 8. Concerning disposal elimination after cleaning, see section 13.

### SECTION 7: Handling and storage

**7.1. Precautions for safe handling**

- **Precautions for safe handling:** Use only outdoors or in a well-ventilated area. Do not get in eyes, on skin, or on clothing. Do not handle until all safety precautions have been read and understood.
- **Hygiene measures:** Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

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

- **Storage conditions:** Store, if possible, in a cool, well ventilated place away from incompatible materials. Keep container closed when not in use.
- **Incompatible products:** Oxidizing agent. Strong bases. Strong acids.
- **Storage area:** Store in a well-ventilated place.
- **Special rules on packaging:** Store in a closed container.

**7.3. Specific end use(s)**

No additional information available
## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters
No additional information available

### 8.2. Exposure controls

**Personal protective equipment:**
Avoid all unnecessary exposure. Gas mask. Protective clothing. In case of splash hazard: safety glasses. Gloves. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

<table>
<thead>
<tr>
<th>Hand protection:</th>
<th>Nitrile-rubber protective gloves. Chemical resistant gloves (according to European standard NF EN 374 or equivalent)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eye protection:</td>
<td>Chemical goggles or face shield</td>
</tr>
<tr>
<td>Skin and body protection:</td>
<td>Wear suitable protective clothing</td>
</tr>
<tr>
<td>Respiratory protection:</td>
<td>[In case of inadequate ventilation] wear respiratory protection. Gas mask with filter type A</td>
</tr>
</tbody>
</table>

**Personal protective equipment symbol(s):**

### 9.2. Consumer exposure controls:
Avoid contact during pregnancy/while nursing.

**Other information:**
Do not eat, drink or smoke during use.

## SECTION 9: Physical and chemical properties

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

<table>
<thead>
<tr>
<th>Physical state</th>
<th>Liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Liquid.</td>
</tr>
<tr>
<td>Colour</td>
<td>colourless to slightly yellow.</td>
</tr>
<tr>
<td>Odour</td>
<td>slight.</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative evaporation rate (butylacetate=1)</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting point</td>
<td>No data available</td>
</tr>
<tr>
<td>Freezing point</td>
<td>No data available</td>
</tr>
<tr>
<td>Boiling point</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash point</td>
<td>No data available</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative vapour density at 20 °C</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative density</td>
<td>1.15</td>
</tr>
<tr>
<td>Density</td>
<td>1.15</td>
</tr>
<tr>
<td>Solubility</td>
<td>No data available</td>
</tr>
<tr>
<td>Log Pow</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity, kinematic</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity, dynamic</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>No data available</td>
</tr>
<tr>
<td>Oxidising properties</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive limits</td>
<td>No data available</td>
</tr>
</tbody>
</table>

### 9.2. Other information
No additional information available
GlassCast™ 3 Clear Epoxy Surface Resin
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SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reactions known under normal conditions of use.

10.2. Chemical stability

Stable in use and storage conditions as recommended in item 7.

10.3. Possibility of hazardous reactions

Refer to section 10.1 on Reactivity.

10.4. Conditions to avoid

No data available.

10.5. Incompatible materials


10.6. Hazardous decomposition products


SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700) (25068-38-6)

LD50 oral rat 11400 mg/kg
LD50 oral ≈ 2000 mg/kg
LD50 dermal rabbit > 2000 mg/kg

Formaldehyde, polymer with (chloromethyl)oxirane and phenol (9003-36-5)

LD50 oral rat > 2000 mg/kg
LD50 dermal rabbit > 2000 mg/kg

4-nonylphenol, branched (84852-15-3)

LD50 oral rat 1412 mg/kg
LD50 dermal rabbit 2031 mg/kg

C13/C15-Alkylglycidylether (68081-84-5)

LD50 oral rat > 5000 mg/kg

Skin corrosion/irritation : Causes severe skin burns and eye damage.
Serious eye damage/irritation : Serious eye damage, category 1, implicit
Respiratory or skin sensitisation : May cause an allergic skin reaction.
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified
Reproductive toxicity : Suspected of damaging fertility. Suspected of damaging the unborn child..
STOT-single exposure : Not classified
STOT-repeated exposure : Not classified
Aspiration hazard : Not classified

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : No data.
Ecology - air : No data.
Ecology - water : No data.
Acute aquatic toxicity : Very toxic to aquatic life.
Chronic aquatic toxicity : Very toxic to aquatic life with long lasting effects.

reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700) (25068-38-6)

LC50 fish 1 1.3 mg/l
EC50 Daphnia 1 2.1 mg/l
## GlassCast™ 3 Clear Epoxy Surface Resin

**Safety Data Sheet**  

<table>
<thead>
<tr>
<th>Component</th>
<th>EC50 72h algae (1)</th>
<th>LC50 fish 1</th>
<th>EC50 Daphnia 1</th>
<th>EC50 72h algae (1)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Formaldehyde, polymer with (chloromethyl)oxirane and phenol (9003-36-5)</td>
<td>11 mg/l</td>
<td>2.54 mg/l</td>
<td>2.55 mg/l</td>
<td>&gt; 1000 mg/l</td>
</tr>
<tr>
<td>4-nonylphenol, branched (84852-15-3)</td>
<td></td>
<td>0.05 mg/l</td>
<td>0.085 mg/l</td>
<td></td>
</tr>
</tbody>
</table>

### 12.2. Persistence and degradability

#### VLC A

**Persistence and degradability**

No data.

### 12.3. Bioaccumulative potential

#### VLC A

**Bioaccumulative potential**

No data.

### 12.4. Mobility in soil

#### VLC A

**Ecology - soil**

No data.

### 12.5. Results of PBT and vPvB assessment

#### VLC A

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

### 12.6. Other adverse effects

**Other adverse effects**: No data.
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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods: Do not flush down sewers. Dispose of this material and its container at hazardous or special waste collection point.

Product/Packaging disposal recommendations: Recycle or dispose of in compliance with current legislation.

Ecology - waste materials: Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

<table>
<thead>
<tr>
<th>ADR</th>
<th>IMDG</th>
<th>IATA</th>
<th>ADN</th>
<th>RID</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.1. UN number</td>
<td>3082</td>
<td>3082</td>
<td>3082</td>
<td>3082</td>
</tr>
</tbody>
</table>

14.2. UN proper shipping name

<table>
<thead>
<tr>
<th></th>
<th>ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.</th>
<th>ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.</th>
<th>Environmentally hazardous substance, liquid, n.o.s.</th>
<th>ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN 3082</td>
<td>Environmentally hazardous substance, liquid, n.o.s.</td>
<td>Environmentally hazardous substance, liquid, n.o.s.</td>
<td>Environmentally hazardous substance, liquid, n.o.s.</td>
<td>Environmentally hazardous substance, liquid, n.o.s.</td>
</tr>
</tbody>
</table>

Transport document description

<table>
<thead>
<tr>
<th></th>
<th>UN 3082 Environmentally hazardous substance, liquid, n.o.s. (reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700); Formaldehyde, polymer with (chloromethyl)oxirane and phenol), 9, III, MARINE POLLUTANT</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>UN 3082 Environmentally hazardous substance, liquid, n.o.s. (reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700); Formaldehyde, polymer with (chloromethyl)oxirane and phenol), 9, III, MARINE POLLUTANT</td>
</tr>
<tr>
<td></td>
<td>UN 3082 Environmentally hazardous substance, liquid, n.o.s. (reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700); Formaldehyde, polymer with (chloromethyl)oxirane and phenol), 9, III, MARINE POLLUTANT</td>
</tr>
<tr>
<td></td>
<td>UN 3082 Environmentally hazardous substance, liquid, n.o.s. (reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700); Formaldehyde, polymer with (chloromethyl)oxirane and phenol), 9, III, MARINE POLLUTANT</td>
</tr>
<tr>
<td></td>
<td>UN 3082 Environmentally hazardous substance, liquid, n.o.s. (reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700); Formaldehyde, polymer with (chloromethyl)oxirane and phenol), 9, III, MARINE POLLUTANT</td>
</tr>
</tbody>
</table>

14.3. Transport hazard class(es)

9

14.4. Packing group

III

14.5. Environmental hazards

Dangerous for the environment: Yes

14.6. Special precautions for user

Overland transport

<table>
<thead>
<tr>
<th>Classification code (ADR)</th>
<th>Special provisions (ADR)</th>
<th>Limited quantities (ADR)</th>
<th>Excepted quantities (ADR)</th>
<th>Packing instructions (ADR)</th>
<th>Special packing provisions (ADR)</th>
<th>Mixed packing provisions (ADR)</th>
<th>Portable tank and bulk container instructions (ADR)</th>
<th>Portable tank and bulk container special provisions (ADR)</th>
</tr>
</thead>
<tbody>
<tr>
<td>M6</td>
<td>274, 335, 375, 601</td>
<td>5l</td>
<td>E1</td>
<td>P001, IBC03, LP01, R001</td>
<td>PP1</td>
<td>MP19</td>
<td>T4</td>
<td>TP1, TP29</td>
</tr>
</tbody>
</table>
GlassCast™ 3 Clear Epoxy Surface Resin
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Tank code (ADR) : LGBV
Vehicle for tank carriage : AT
Transport category (ADR) : 3
Special provisions for carriage - Packages (ADR) : V12
Special provisions for carriage - Loading, unloading and handling (ADR) : CV13
Hazard identification number (Kemler No.) : 90
Orange plates

Tunnel restriction code (ADR) : -
EAC code : •3Z

Transport by sea
Special provisions (IMDG) : 274, 335, 969
Limited quantities (IMDG) : 5 L
Excepted quantities (IMDG) : E1
Packing instructions (IMDG) : LP01, P001
Special packing provisions (IMDG) : PP1
IBC packing instructions (IMDG) : IBC03
Tank instructions (IMDG) : T4
Tank special provisions (IMDG) : TP2, TP29
EmS-No. (Fire) : F-A
EmS-No. (Spillage) : S-F
Stowage category (IMDG) : A

Air transport
PCA Excepted quantities (IATA) : E1
PCA Limited quantities (IATA) : Y964
PCA limited quantity max net quantity (IATA) : 30kgG
PCA packing instructions (IATA) : 964
PCA max net quantity (IATA) : 450L
CAO packing instructions (IATA) : 964
CAO max net quantity (IATA) : 450L
Special provisions (IATA) : A97, A158, A197
ERG code (IATA) : 9L

Inland waterway transport
Classification code (ADN) : M6
Special provisions (ADN) : 274, 335, 375, 601
Limited quantities (ADN) : 5 L
Excepted quantities (ADN) : E1
Carriage permitted (ADN) : T
Equipment required (ADN) : PP
Number of blue cones/lights (ADN) : 0

Rail transport
Classification code (RID) : M6
Special provisions (RID) : 274, 335, 375, 601
Limited quantities (RID) : 5L
Excepted quantities (RID) : E1
Packing instructions (RID) : P001, IBC03, LP01, R001
Special packing provisions (RID) : PP1
Mixed packing provisions (RID) : MP19
Portable tank and bulk container instructions (RID) : T4
Portable tank and bulk container special provisions (RID) : TP1, TP29
Tank codes for RID tanks (RID) : LGBV
Transport category (RID) : 3
Special provisions for carriage – Packages (RID) : W12
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Special provisions for carriage - Loading, unloading and handling (RID):
- CW13, CW31
- CE8
- 90

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code
IBC code: Not applicable.

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations
Contains no REACH substances with Annex XVII restrictions
Contains a substance on the REACH candidate list in concentration ≥ 0.1% or with a lower specific limit: 4-nonylphenol, branched (EC 284-325-5, CAS 84852-15-3)
Contains no REACH Annex XIV substances
Directive 2012/18/EU (SEVESO III)

15.1.2. National regulations
No additional information available

15.2. Chemical safety assessment
Not applicable

SECTION 16: Other information

Indication of changes:
Revision - See : *.

Data sources:

Other information:
Information in this safety data sheet is based on actual knowledge in our possession and our experience. This does not in any way excuse the user from knowing and applying all the regulations governing his activity. It is the sole responsibility of the user to take all precautions required in handling the product. It is the user's responsibility to take mentioned precaution measures and ensure that this information is complete and sufficient for the use of this product.

Full text of H- and EUH-statements:

**Acute Tox. 4 (Oral)**
Acute toxicity (oral), Category 4

**Aquatic Acute 1**
Hazardous to the aquatic environment — Acute Hazard, Category 1

**Aquatic Chronic 1**
Hazardous to the aquatic environment — Chronic Hazard, Category 1

**Eye Dam. 1**
Serious eye damage/eye irritation, Category 1

**Eye Irrit. 2**
Serious eye damage/eye irritation, Category 2

**Repr. 2**
Reproductive toxicity, Category 2

**Skin Corr. 1B**
Skin corrosion/irritation, Category 1B

**Skin Irrit. 2**
Skin corrosion/irritation, Category 2

**Skin Sens. 1**
Skin sensitisation, Category 1

H302
Harmful if swallowed.

H314
Causes severe skin burns and eye damage.

H315
Causes skin irritation.

H317
May cause an allergic skin reaction.

H318
Causes serious eye damage.

H319
Causes serious eye irritation.

H361
Suspected of damaging fertility or the unborn child.

H361fd
Suspected of damaging fertility. Suspected of damaging the unborn child.

H400
Very toxic to aquatic life.

H410
Very toxic to aquatic life with long lasting effects.
### GlassCast™ 3 Clear Epoxy Surface Resin

**Safety Data Sheet**


#### SDS EU (REACH Annex II)

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>H411</td>
<td>Toxic to aquatic life with long lasting effects.</td>
</tr>
<tr>
<td>EUH205</td>
<td>Contains epoxy constituents. May produce an allergic reaction.</td>
</tr>
</tbody>
</table>
SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier
Product form: Mixture
Product name: GlassCast 3 Epoxy Hardener For GlassCast 3
Type of product: Hardener (Crosslinker)

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

1.2.1. Relevant identified uses
Intended for general public
Main use category: Industrial use
Industrial/Professional use spec: Intended for general public

Use of the substance/mixture: Laminating hardener, casting, injection, winding, infusion, gluing, foaming, coatings and sealants.

1.2.2. Uses advised against
No additional information available

1.3. Details of the supplier of the safety data sheet
Easy Composites Ltd
Unit 39, Park Hall Business Village, Stoke on Trent, Staffordshire, ST3 5XA. United Kingdom.
T +44 (0) 1782 454499 (08:00 - 17:30hrs, Mon-Fri)
sales@easycomposites.co.uk - www.easycomposites.co.uk

1.4. Emergency telephone number
Emergency number T +44 (0) 1782 454499 (08:00 - 17:30hrs, Mon-Fri)

<table>
<thead>
<tr>
<th>Country</th>
<th>Organisation/Company</th>
<th>Address</th>
<th>Emergency number</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>United Kingdom</td>
<td>National Poisons Information Service Edinburgh Royal Infirmary of Edinburgh</td>
<td>Little France Crescent EH16 4SA Edinburgh</td>
<td>0344 892 0111</td>
<td></td>
</tr>
<tr>
<td>United Kingdom</td>
<td>Guy's &amp; St Thomas' Poisons Unit Medical Toxicology Unit, Guy's &amp; St Thomas' Hospital Trust</td>
<td>Avonley Road SE14 5ER London</td>
<td>+44 20 7188 7188</td>
<td></td>
</tr>
</tbody>
</table>

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
Acute toxicity (oral), Category 4 H302
Acute toxicity (inhalation:dust,mist) Category 4 H332
Skin corrosion/irritation, Category 1B H314
Skin sensitisation, Category 1 H317
Hazardous to the aquatic environment — Chronic Hazard, Category 3 H412

Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects
No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]
Hazard pictograms (CLP):

Signal word (CLP): Danger

Hazardous ingredients:
- Propylidynetrimethanol, propoxylated, reaction products with ammonia; 3-aminomethyl-3,5,5-trimethylcyclohexylamine; 4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, reaction products with 3-aminomethyl-3,5,5-trimethylcyclohexylamine; benzyl alcohol
GlassCast™ 3 Epoxy Hardener For GlassCast 3
Safety Data Sheet

Hazard statements (CLP)

- H302+H332 - Harmful if swallowed or if inhaled.
- H314 - Causes severe skin burns and eye damage.
- H317 - May cause an allergic skin reaction.
- H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements (CLP)

- P102 - Keep out of reach of children.
- P270 - Do not eat, drink or smoke when using this product.
- P271 - Use only outdoors or in a well-ventilated area.
- P273 - Avoid release to the environment.
- P301+P330+P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
- P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Other hazards
No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances
Not applicable

3.2. Mixtures

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>Classification according to Regulation (EC) No. 1272/2008 [CLP]</th>
</tr>
</thead>
<tbody>
<tr>
<td>benzyl alcohol</td>
<td>(CAS-No.) 100-51-6 (EC-No.) 202-859-9 (EC Index-No.) 603-057-00-5 (REACH-no) 01-2119492630-38</td>
<td>20 - 60</td>
<td>Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation), H332 Eye Irrit. 2, H319</td>
</tr>
<tr>
<td>Propyldenetrimethanol, propoxylated, reaction products with ammonia</td>
<td>(CAS-No.) 39423-51-3 (EC-No.) 500-105-6 (REACH-no) 01-2119556886-20</td>
<td>10 - 40</td>
<td>Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Eye Dam. 1, H318 Aquatic Chronic 2, H411</td>
</tr>
<tr>
<td>3-aminomethyl-3,5,5-trimethylcyclohexylamine</td>
<td>(CAS-No.) 2855-13-2 (EC-No.) 220-666-8 (EC Index-No.) 612-067-00-9 (REACH-no) 01-2119514667-32</td>
<td>10 - 40</td>
<td>Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314 Skin Sens. 1, H317 Aquatic Chronic 3, H412</td>
</tr>
<tr>
<td>4,4′-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, reaction products with 3-aminomethyl-3,5,5-trimethylcyclohexylamine</td>
<td>(CAS-No.) 38294-64-3 (EC-No.) 500-101-4</td>
<td>1 - 10</td>
<td>Skin Corr. 1B, H314 Skin Sens. 1, H317 Aquatic Chronic 3, H412 Eye Dam. 1, H318 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Oral), H302</td>
</tr>
</tbody>
</table>

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general: In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

First-aid measures after inhalation: Remove person to fresh air and keep comfortable for breathing. Assure fresh air breathing. Respiratory arrest: artificial respiration or oxygen. If unconscious place in recovery position and seek medical advice.

First-aid measures after skin contact: Wash contaminated clothing before reuse. Take off contaminated clothes, wash skin with plenty of water or have a shower (during minimum 15 minutes) and if necessary take medical advice. If on skin and if skin irritation or rash occurs, seek medical advice and attention.

First-aid measures after eye contact: Rinse immediately with plenty of water. Remove contact lenses, if present and easy to do. Continue rinsing. Continue to rinse eye with clean water for 20-30 minutes, retracting eyelids often. Consult an eye specialist if necessary.

First-aid measures after ingestion: Rinse mouth. Do not induce vomiting because of corrosive effects. Immediately call a POISON CENTER/doctor.

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

Symptoms/effects after ingestion: Cough. May cause respiratory irritation. Severe inhalation hazard.

7/25/2014 (Version: 1.0) EN (English) 2/8
11/22/2018 (Version: 1.2)
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Symptoms/effects after skin contact : May cause moderate irritation.

Symptoms/effects after eye contact : May cause moderate irritation, including burning sensation, tearing, redness or swelling. Risk of damage to eyes.

Symptoms/effects after ingestion : May cause burns or irritation of the linings of the mouth, throat, and gastrointestinal tract.

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

For the Anti-poison Center indicate all the components including the non dangerous ones to obtain (when possible) a total of 100 %.

SECTION 5: Firefighting measures

5.1. Extinguishing media


Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Do not breathe fumes from fires or vapours from decomposition.


5.3. Advice for firefighters

Precautionary measures fire : Evacuate personnel to a safe area. Do not enter fire area without proper protective equipment, including respiratory protection.

Firefighting instructions : Exercise caution when fighting any chemical fire. Unauthorized persons are not admitted. Eliminate all ignition sources if safe to do so. Prevent fire fighting water from entering the environment.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection. Wear a self contained breathing apparatus. Special protective equipment for fire-fighters.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : No open flames. No smoking. Spill should be handled by trained cleaning personnel properly equipped with respiratory and eye protection.

6.1.1. For non-emergency personnel

No additional information available

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Avoid release to the environment. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Clean up any spills as soon as possible, using an absorbent material to collect it. Do not allow to enter drains or water courses.

6.4. Reference to other sections

Concerning personal protective equipment to use, see section 8. Concerning disposal elimination after cleaning, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Provide good ventilation in process area to prevent formation of vapour. Avoid all unnecessary exposure. Do not handle until all safety precautions have been read and understood. Keep containers closed.

Hygiene measures : Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in original container. Store, if possible, in a cool, well ventilated place away from incompatible materials.


Incompatible materials : Heat sources.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

Personal protective equipment:

Respiratory protection:
[In case of inadequate ventilation] wear respiratory protection. High gas/vapour concentration: gas mask with filter type K

Personal protective equipment symbol(s):

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Liquid</td>
</tr>
<tr>
<td>Appearance</td>
<td>Clear, colorless liquid</td>
</tr>
<tr>
<td>Colour</td>
<td>Colourless</td>
</tr>
<tr>
<td>Odour</td>
<td>Amine-like</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative evaporation rate</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting point</td>
<td>No data available</td>
</tr>
<tr>
<td>Freezing point</td>
<td>No data available</td>
</tr>
<tr>
<td>Boiling point</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash point</td>
<td>No data available</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative vapour density at 20 °C</td>
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</tr>
<tr>
<td>Relative density</td>
<td>1</td>
</tr>
<tr>
<td>Density</td>
<td>1 g/cm³</td>
</tr>
<tr>
<td>Solubility</td>
<td>No data available</td>
</tr>
<tr>
<td>Log Pow</td>
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</tr>
<tr>
<td>Viscosity, kinematic</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity, dynamic</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>No data available</td>
</tr>
<tr>
<td>Oxidising properties</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive limits</td>
<td>No data available</td>
</tr>
</tbody>
</table>

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Stable in use and storage conditions as recommended in item 7.

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

Heat. Open flame. Sparks.

10.5. Incompatible materials

Strong acids. Oxidizing agent. metals. halogenated hydrocarbons.

10.6. Hazardous decomposition products


SECTION 11: Toxicological information

11.1. Information on toxicological effects

| Toxicity (oral)                  | Oral: Harmful if swallowed.       |
| Acute toxicity (dermal)          | Not classified                     |
| Acute toxicity (inhalation)      | Inhalation: dust, mist: Harmful if inhaled. |
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<table>
<thead>
<tr>
<th>Component</th>
<th>LD50 (oral rat)</th>
<th>LC50 (inhalation rat (mg/l))</th>
<th>Skin corrosion/irritation</th>
<th>Serious eye damage/irritation</th>
<th>Respiratory or skin sensitisation</th>
<th>Germ cell mutagenicity</th>
<th>Carcinogenicity</th>
<th>Reproductive toxicity</th>
<th>STOT-single exposure</th>
<th>STOT-repeated exposure</th>
<th>Aspiration hazard</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATE CLP (oral)</td>
<td>602.41 mg/kg bodyweight</td>
<td></td>
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</tr>
<tr>
<td>ATE CLP (dust,mist)</td>
<td>4,412 mg/l/4h</td>
<td></td>
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<td></td>
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<td></td>
</tr>
<tr>
<td>3-aminomethyl-3,5,5-trimethylcyclohexylamine (2855-13-2)</td>
<td></td>
<td></td>
<td>Causes severe skin burns and eye damage.</td>
<td>Serious eye damage, category 1, implicit</td>
<td>May cause an allergic skin reaction.</td>
<td>Not classified</td>
<td>Not classified</td>
<td>Not classified</td>
<td>Not classified</td>
<td>Not classified</td>
<td></td>
</tr>
<tr>
<td>LD50 oral rat</td>
<td>1030 mg/kg</td>
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<td></td>
<td></td>
<td></td>
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<tr>
<td>benzyl alcohol (100-51-6)</td>
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<td></td>
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<td></td>
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<td></td>
<td></td>
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</tr>
<tr>
<td>LD50 oral rat</td>
<td>1620 mg/kg</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>LC50 inhalation rat (mg/l)</td>
<td>&gt; 4178 mg/m³</td>
<td></td>
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<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Skin corrosion/irritation</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Causes severe skin burns and eye damage.</td>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Serious eye damage/irritation</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Serious eye damage, category 1, implicit</td>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Respiratory or skin sensitisation</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>May cause an allergic skin reaction.</td>
<td></td>
<td></td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Germ cell mutagenicity</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Not classified</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Not classified</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
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<tr>
<td>Reproductive toxicity</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Not classified</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>STOT-single exposure</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Not classified</td>
<td></td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>STOT-repeated exposure</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Not classified</td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Aspiration hazard</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Not classified</td>
<td></td>
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<td></td>
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<td></td>
</tr>
</tbody>
</table>

SECTION 12: Ecological information

12.1. Toxicity
Acute aquatic toxicity: Not classified
Chronic aquatic toxicity: Harmful to aquatic life with long lasting effects.

3-aminomethyl-3,5,5-trimethylcyclohexylamine (2855-13-2)
<table>
<thead>
<tr>
<th>Component</th>
<th>LC50 (fish 1)</th>
<th>EC50 (Daphnia 1)</th>
<th>EC50 (other aquatic organisms 1)</th>
<th>EC50 (72h algae (1))</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50 fish 1</td>
<td>110 mg/l</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EC50 Daphnia 1</td>
<td>23 mg/l</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EC50 other aquatic organisms 1</td>
<td>37 mg/l</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EC50 72h algae (1)</td>
<td>&gt; 50 mg/l</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>benzyl alcohol (100-51-6)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LC50 fish 1</td>
<td>460 mg/l</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EC50 72h algae (1)</td>
<td>770 mg/l</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NOEC chronic algae</td>
<td>310 mg/l</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

12.2. Persistence and degradability
No additional information available

12.3. Bioaccumulative potential
No additional information available

12.4. Mobility in soil
No additional information available

12.5. Results of PBT and vPvB assessment

Component
| Component | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII |
|------------|----------------------------------------------------------------|---|
| benzyl alcohol (100-51-6) | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII | |

12.6. Other adverse effects
No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods
No additional information available

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN
## GlassCast™ 3 Epoxy Hardener For GlassCast 3

### Safety Data Sheet


<table>
<thead>
<tr>
<th>ADR</th>
<th>IMDG</th>
<th>IATA</th>
<th>ADN</th>
<th>RID</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.1. UN number</td>
<td>2735</td>
<td>2735</td>
<td>2735</td>
<td>2735</td>
</tr>
</tbody>
</table>

### 14.2. UN proper shipping name

<table>
<thead>
<tr>
<th></th>
<th>AMINES, LIQUID, CORROSIVE, N.O.S.</th>
<th>AMINES, LIQUID, CORROSIVE, N.O.S.</th>
<th>Amines, liquid, corrosive, n.o.s.</th>
<th>AMINES, LIQUID, CORROSIVE, N.O.S.</th>
<th>AMINES, LIQUID, CORROSIVE, N.O.S.</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN 2735 AMINES, LIQUID, CORROSIVE, N.O.S., 8, III, (E)</td>
<td>UN 2735 AMINES, LIQUID, CORROSIVE, N.O.S., 8, III</td>
<td>UN 2735 Amines, liquid, corrosive, n.o.s., 8, III</td>
<td>UN 2735 AMINES, LIQUID, CORROSIVE, N.O.S., 8, III</td>
<td>UN 2735 AMINES, LIQUID, CORROSIVE, N.O.S., 8, III</td>
<td></td>
</tr>
</tbody>
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### Transport document description

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<tr>
<td>14.3. Transport hazard class(es)</td>
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### 14.4. Packing group

<table>
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<tbody>
<tr>
<td>14.5. Environmental hazards</td>
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<table>
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<tr>
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<th>Dangerous for the environment : No</th>
<th>Dangerous for the environment : No</th>
<th>Dangerous for the environment : No</th>
<th>Dangerous for the environment : No</th>
<th>Dangerous for the environment : No</th>
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<tbody>
<tr>
<td>No supplementary information available</td>
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</table>

### 14.6. Special precautions for user

#### Overland transport

- **Classification code (ADR)**: C7
- **Special provisions (ADR)**: 274
- **Limited quantities (ADR)**: 5l
- **Excepted quantities (ADR)**: E1
- **Packing instructions (ADR)**: P001, IBC03, LP01, R001
- **Mixed packing provisions (ADR)**: MP19
- **Portable tank and bulk container instructions (ADR)**: T7
- **Portable tank and bulk container special provisions (ADR)**: TP1, TP28
- **Tank code (ADR)**: L4BN
- **Vehicle for tank carriage**: AT
- **Transport category (ADR)**: 3
- **Special provisions for carriage - Packages (ADR)**: V12
- **Hazard identification number (Kemler No.)**: 80
- **Orange plates**

#### Transport by sea

- **Special provisions (IMDG)**: 223, 274
- **Limited quantities (IMDG)**: 5 L
- **Excepted quantities (IMDG)**: E1
- **Packing instructions (IMDG)**: P001, LP01
- **IBC packing instructions (IMDG)**: IBC03
- **Tank instructions (IMDG)**: T7
GlassCast™ 3 Epoxy Hardener For GlassCast 3

Safety Data Sheet

Tank special provisions (IMDG): TP1, TP28
EmS-No. (Fire): F-A
EmS-No. (Spillage): S-B
Stowage category (IMDG): A

Properties and observations (IMDG): Colourless to yellowish liquids or solutions with a pungent odour. Miscible with or soluble in water. When involved in a fire, evolve toxic gases. Corrosive to most metals, especially to copper and its alloys. Reacts violently with acids. Cause burns to skin, eyes and mucous membranes.

Air transport
PCA Excepted quantities (IATA): E1
PCA Limited quantities (IATA): Y841
PCA limited quantity max net quantity (IATA): 1L
PCA packing instructions (IATA): 852
PCA max net quantity (IATA): 5L
CAO packing instructions (IATA): 856
CAO max net quantity (IATA): 60L
Special provisions (IATA): A3
ERG code (IATA): 8L

Inland waterway transport
Classification code (ADN): C7
Special provisions (ADN): 274
Limited quantities (ADN): 5 L
Excepted quantities (ADN): E1
Carriage permitted (ADN): T
Equipment required (ADN): PP, EP
Number of blue cones/lights (ADN): 0

Rail transport
Classification code (RID): C7
Special provisions (RID): 274
Limited quantities (RID): 5L
Excepted quantities (RID): E1
Packing instructions (RID): P001, IBC03, LP01, R001
Mixed packing provisions (RID): MP19
Portable tank and bulk container instructions (RID): T7
Portable tank and bulk container special provisions (RID): TP1, TP28
Tank codes for RID tanks (RID): L4BN
Transport category (RID): 3
Special provisions for carriage – Packages (RID): W12
Coils express (express parcels) (RID): CE8
Hazard identification number (RID): 80

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code
Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations
Contains no REACH substances with Annex XVII restrictions
Contains no substance on the REACH candidate list
Contains no REACH Annex XIV substances
Directive 2012/18/EU (SEVESO III)

15.1.2. National regulations
No additional information available

15.2. Chemical safety assessment
No additional information available
SECTION 16: Other information

Indication of changes:
Revision - See : *.


Other information: Information in this safety data sheet is based on actual knowledge in our possession and our experience. This does not in any way excuse the user from knowing and applying all the regulations governing his activity. It is the sole responsibility of the user to take all precautions required in handling the product. It is the user's responsibility to take mentioned precaution measures and ensure that this information is complete and sufficient for the use of this product.

Full text of H- and EUH-statements:

<table>
<thead>
<tr>
<th>H302</th>
<th>Harmful if swallowed.</th>
</tr>
</thead>
<tbody>
<tr>
<td>H312</td>
<td>Harmful in contact with skin.</td>
</tr>
<tr>
<td>H314</td>
<td>Causes severe skin burns and eye damage.</td>
</tr>
<tr>
<td>H317</td>
<td>May cause an allergic skin reaction.</td>
</tr>
<tr>
<td>H318</td>
<td>Causes serious eye damage.</td>
</tr>
<tr>
<td>H319</td>
<td>Causes serious eye irritation.</td>
</tr>
<tr>
<td>H332</td>
<td>Harmful if inhaled.</td>
</tr>
<tr>
<td>H411</td>
<td>Toxic to aquatic life with long lasting effects.</td>
</tr>
<tr>
<td>H412</td>
<td>Harmful to aquatic life with long lasting effects.</td>
</tr>
</tbody>
</table>