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

1.1. Product identifier
Epoxy Resin L 20

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

Use of the substance/mixture
Epoxy resin products, low in solvents, sensitising

1.3. Details of the supplier of the safety data sheet

Company name: R&G Faserverbundwerkstoffe GmbH
Composite Technology
Street: Im Meißel 7 - 13
Place: D-71111 Waldenbuch
Post-office box: 1145
D-71107 Waldenbuch
Telephone: +49 (0)7157 5304-60
Telefax: +49 (0)7157 5304-70
e-mail: info@r-g.de
Internet: www.r-g.de
Responsible Department: Management

1.4. Emergency telephone number
Vergiftungs-Informations-Zentrale Freiburg
Tel: +49 (0)761 19240

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No. 1272/2008
Hazard categories:
Skin corrosion/irritation: Skin Irrit. 2
Serious eye damage/eye irritation: Eye Irrit. 2
Respiratory or skin sensitisation: Skin Sens. 1
Hazardous to the aquatic environment: Aquatic Chronic 2
Hazard Statements:
Causes skin irritation.
May cause an allergic skin reaction.
Causes serious eye irritation.
Toxic to aquatic life with long lasting effects.

2.2. Label elements

Regulation (EC) No. 1272/2008
Hazard components for labelling
epoxy resin (number average molecular weight <= 700), reaction product: bisphenol-A-(epichlorhydrin)
Signal word: Warning

Pictograms:

Hazard statements
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H411 Toxic to aquatic life with long lasting effects.
Precautionary statements

P273 Avoid release to the environment.
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.

Special labelling of certain mixtures
EUH205 Contains epoxy constituents. May produce an allergic reaction.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous components

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Chemical name</th>
<th>EC No</th>
<th>Index No</th>
<th>REACH No</th>
</tr>
</thead>
<tbody>
<tr>
<td>25068-38-6</td>
<td>epoxy resin (number average molecular weight &lt;= 700), reaction product: bisphenol-A-(epichlorhydrin)</td>
<td>500-033-5</td>
<td>603-074-00-8</td>
<td></td>
</tr>
<tr>
<td>9003-36-5</td>
<td>epoxy resin (number average molecular weight &lt;= 700), reaction product: bisphenol-F-(epichlorhydrin)</td>
<td>500-006-8</td>
<td>603-074-00-8</td>
<td>01-2119454392-40</td>
</tr>
<tr>
<td>16096-31-4</td>
<td>1,6-Bis(2,3-epoxypropoxy)hexane</td>
<td>240-260-4</td>
<td></td>
<td>01-2119463471-41</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Chemical name</th>
<th>Classification</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>25068-38-6</td>
<td>epoxy resin (number average molecular weight &lt;= 700), reaction product: bisphenol-A-(epichlorhydrin)</td>
<td>Eye Irrit. 2, Skin Irrit. 2, Skin Sens. 1, Aquatic Chronic 2; H319 H315 H317 H411</td>
<td>50 - 70 %</td>
</tr>
<tr>
<td>9003-36-5</td>
<td>epoxy resin (number average molecular weight &lt;= 700), reaction product: bisphenol-F-(epichlorhydrin)</td>
<td>Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1, Aquatic Chronic 2; H315 H319 H317 H411</td>
<td>&gt;=20 - &lt;25 %</td>
</tr>
</tbody>
</table>

Full text of H and EUH statements: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information
First aider: Pay attention to self-protection! Remove affected person from the danger area and lay down. Keep respiratory equipment at hand. First Aid for the person providing it can be dangerous to give mouth-to-mouth resuscitation.

After inhalation
Remove person to fresh air and keep comfortable for breathing. Move victim to fresh air. Put victim at rest and keep warm. In case of irregular breathing or respiratory arrest provide artificial respiration. First Aid for the person providing it can be dangerous to give mouth-to-mouth resuscitation. If unconscious place in recovery position and seek medical advice. In case of inhalation of decomposition products in symptoms may be delayed. The affected person may need to be kept under medical observation 48 hours.

After contact with skin
After contact with skin, wash immediately with polyethylene glycol, followed by plenty of water. Take off immediately all contaminated clothing and wash it before reuse. Medical treatment necessary.

After contact with eyes
Remove contact lenses, if present and easy to do. Continue rinsing. Chemical burns must be treated promptly by a physician. In the case of complaints or Symtomen avoid further impacts. In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an
ophthalmologist.

After ingestion
Rinse mouth thoroughly with water. Remove person to fresh air and keep comfortable for breathing. Let water be drunken in little sips (dilution effect). Do NOT induce vomiting. Risk of aspiration. Potential damage to lungs after vomiting. Never give anything by mouth to an unconscious person or a person with cramps. If unconscious place in recovery position and seek medical advice.

4.2. Most important symptoms and effects, both acute and delayed
Gastrointestinal complaints. Prolonged or repeated contact with skin or mucous membrane result in irritation symptoms such as redness, blistering, dermatitis, etc.

4.3. Indication of any immediate medical attention and special treatment needed
Symptoms may develop several hours following exposure; medical observation therefore necessary for at least 48 hours.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media
Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing media
none known

5.2. Special hazards arising from the substance or mixture
When fire or if heated, a pressure increase will occur and the container may burst. Harmful to aquatic life with long lasting effects. Do not allow to enter into surface water or drains. Decomposition products may include the following materials: Carbon dioxide (CO2) Carbon monoxide Nitrogen oxides (NOx).

5.3. Advice for firefighters
Evacuate all non-essential personnel. No action shall be taken involving any personal risk or without suitable training.
Fire-fighters should: Wear breathing apparatus without recirculating air and suitable protective clothing. Fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic protection be chemical incidents.

Additional information
Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Only allow access to authorised staff. Do not breathe in gases/vapours/aerosols. Provide adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment.

For emergency responders: Personal protective equipment see Section 8

6.2. Environmental precautions
Do not allow to enter into surface water or drains. Share Pollution of rivers, lakes or sewers, according to local posited that the relevant competent authorities. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if environmental impacts caused by the product. (Sewers, waterways, soil or air) The containers from spill area.

6.3. Methods and material for containment and cleaning up
Stop leak if safe to do so. Dilute with plenty of water. Wipe up with absorbent material (eg. cloth, fleece). Absorb with sand, earth, or another absorbent substance.
6.4. Reference to other sections
Safe handling: see section 7
Personal protection equipment: see section 8
Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling
Personal protection equipment: see section 8. Do not get in eyes, on skin, or on clothing. Do not breathe dust/fume/gas/mist/vapours/spray. Avoid release to the environment. Provide adequate room ventilation, if necessary with vapour extraction at the workplace. Keep only in the original container. Keep receptacles tightly sealed.

Advice on protection against fire and explosion
No special fire protection measures are necessary.

Further information on handling
When using do not eat, drink, smoke, sniff. Wash hands with soap and water before eating and drinking. See Section 8, additional information on hygiene measures.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels
Keep container tightly closed. Keep locked up. Store in a place accessible by authorized persons only. Provide adequate ventilation as well as local exhaust at critical locations. Keep container tightly closed and dry in a cool, well-ventilated place. Protect from heat and direct sunlight. Keep opened receptacles upright to prevent leakage.

Advice on storage compatibility
Keep away from incompatible substances under § 10.2. Keep away from food, drink and animal feedingstuffs.

7.3. Specific end use(s)
Hardener (Crosslinker)

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.2. Exposure controls

Appropriate engineering controls
If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray.

Protective and hygiene measures
Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme. Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat or drink.

Eye/face protection
Suitable eye protection: goggles.

Hand protection
When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is
recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

**Skin protection**
Wear suitable protective clothing.

**Respiratory protection**
In case of inadequate ventilation wear respiratory protection.

### 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>viscous</td>
</tr>
<tr>
<td>Colour</td>
<td>light yellow</td>
</tr>
<tr>
<td>Odour</td>
<td>characteristic</td>
</tr>
</tbody>
</table>

**Test method**

<table>
<thead>
<tr>
<th>Property</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH-Value (at 20 °C)</td>
<td>not determined</td>
</tr>
</tbody>
</table>

**Changes in the physical state**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Melting point</td>
<td>not determined</td>
</tr>
<tr>
<td>Initial boiling point and boiling range</td>
<td>&gt; 200 °C</td>
</tr>
<tr>
<td>Flash point</td>
<td>&gt; 150 °C ISO 2719</td>
</tr>
</tbody>
</table>

**Flammability**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solid</td>
<td>not applicable</td>
</tr>
<tr>
<td>Gas</td>
<td>not applicable</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lower explosion limits</td>
<td>not determined</td>
</tr>
<tr>
<td>Upper explosion limits</td>
<td>not determined</td>
</tr>
<tr>
<td>Ignition temperature</td>
<td>460 °C</td>
</tr>
</tbody>
</table>

**Auto-ignition temperature**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solid</td>
<td>not applicable</td>
</tr>
<tr>
<td>Gas</td>
<td>not applicable</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Decomposition temperature</td>
<td>not determined</td>
</tr>
</tbody>
</table>

**Oxidizing properties**

Not oxidising.

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vapour pressure (at 20 °C)</td>
<td>0,1 hPa</td>
</tr>
<tr>
<td>Density (at 23 °C)</td>
<td>1,16 g/cm³ ISO 2811-2</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water solubility</td>
<td>The study does not need to be conducted because the substance is known to be insoluble in water.</td>
</tr>
</tbody>
</table>

**Solubility in other solvents**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Partition coefficient</td>
<td>not determined</td>
</tr>
<tr>
<td>Viscosity / dynamic (at 25 °C)</td>
<td>750 - 1,050 mPa·s ISO 9371</td>
</tr>
<tr>
<td>Vapour density</td>
<td>not determined</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>not determined</td>
</tr>
</tbody>
</table>

#### 9.2. Other information

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solid content</td>
<td>not determined</td>
</tr>
</tbody>
</table>
SECTION 10: Stability and reactivity

10.1. Reactivity
No hazardous reaction when handled and stored according to provisions.

10.2. Chemical stability
stable

10.3. Possibility of hazardous reactions
No dangerous reactions at a correct storage and handling.

10.4. Conditions to avoid
none

10.5. Incompatible materials
No known hazardous reactions.

10.6. Hazardous decomposition products
No known hazardous decomposition products.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Chemical name</th>
<th>Exposure route</th>
<th>Dose</th>
<th>Species</th>
<th>Source</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>25068-38-6</td>
<td>epoxy resin (number average molecular weight &lt;= 700), reaction product: bisphenol-A-(epichlorhydrin)</td>
<td>oral</td>
<td>LD50</td>
<td>11400</td>
<td>Rat</td>
<td>GESTIS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>dermal</td>
<td>LD50</td>
<td>&gt; 22800</td>
<td>Rabbit</td>
<td>GESTIS</td>
</tr>
<tr>
<td>9003-36-5</td>
<td>epoxy resin (number average molecular weight &lt;= 700), reaction product: bisphenol-F-(epichlorhydrin)</td>
<td>oral</td>
<td>LD50</td>
<td>&gt; 2000</td>
<td>Rat</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>dermal</td>
<td>LD50</td>
<td>&gt; 2000</td>
<td>Rabbit</td>
<td></td>
</tr>
<tr>
<td>16096-31-4</td>
<td>1,6-Bis(2,3-epoxypropoxy)hexane</td>
<td>oral</td>
<td>LD50</td>
<td>3010</td>
<td>Rat</td>
<td>OECD 401</td>
</tr>
<tr>
<td></td>
<td></td>
<td>dermal</td>
<td>LD50</td>
<td>&gt; 2000</td>
<td>Rat</td>
<td>OECD 402</td>
</tr>
</tbody>
</table>

Additional information on tests
The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

SECTION 12: Ecological information

12.1. Toxicity
Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
### Aquatic toxicity

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Chemical name</th>
<th>Dose</th>
<th>[h]</th>
<th>[d]</th>
<th>Species</th>
<th>Source</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>25068-38-6</td>
<td>epoxy resin (number average molecular weight &lt;= 700), reaction product: bisphenol-A-(epichlorhydrin)</td>
<td>LC50</td>
<td>4.4 mg/l</td>
<td>96 h</td>
<td>Oncorhynchus mykiss (Rainbow trout)</td>
<td>EPA-680/3-75-009</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Acute algae toxicity</td>
<td>ErC50</td>
<td>9.4 mg/l</td>
<td>72 h</td>
<td>Scenedesmus capricornutum</td>
<td>EPA-680/3-75-009</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Acute crustacea toxicity</td>
<td>EC50</td>
<td>2.8 mg/l</td>
<td>48 h</td>
<td>Daphnia magna</td>
<td>OECD 202</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Acute bacteria toxicity</td>
<td>(&gt; 100 mg/l)</td>
<td>3 h</td>
<td>Activated sludge</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9003-36-5</td>
<td>epoxy resin (number average molecular weight &lt;= 700), reaction product: bisphenol-F-(epichlorhydrin)</td>
<td>LC50</td>
<td>2.54 mg/l</td>
<td>96 h</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>16096-31-4</td>
<td>1,6-Bis(2,3-epoxypropoxy)hexane</td>
<td>LC50</td>
<td>30 mg/l</td>
<td>96 h</td>
<td>Oncorhynchus mykiss (Rainbow trout)</td>
<td>OECD 203</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Acute crustacea toxicity</td>
<td>EC50</td>
<td>39 - 57 mg/l</td>
<td>48 h</td>
<td>Daphnia magna</td>
<td>OECD 202</td>
<td></td>
</tr>
</tbody>
</table>

### 12.2. Persistence and degradability

Poorly biodegradable.

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Chemical name</th>
<th>Method</th>
<th>Value</th>
<th>d</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>25068-38-6</td>
<td>epoxy resin (number average molecular weight &lt;= 700), reaction product: bisphenol-A-(epichlorhydrin)</td>
<td>OECD 301F</td>
<td>5%</td>
<td>28</td>
<td>Manufacturer</td>
</tr>
<tr>
<td></td>
<td>Not readily biodegradable (according to OECD criteria)</td>
<td>OECD 301B</td>
<td>6-12%</td>
<td>28</td>
<td>Manufacturer</td>
</tr>
<tr>
<td>9003-36-5</td>
<td>epoxy resin (number average molecular weight &lt;= 700), reaction product: bisphenol-F-(epichlorhydrin)</td>
<td>OECD 301B</td>
<td>16%</td>
<td>28</td>
<td>Manufacturer</td>
</tr>
<tr>
<td></td>
<td>Not readily biodegradable (according to OECD criteria)</td>
<td>OECD 301D</td>
<td>47%</td>
<td>28</td>
<td>Manufacturer</td>
</tr>
<tr>
<td>16096-31-4</td>
<td>1,6-Bis(2,3-epoxypropoxy)hexane</td>
<td>OECD 301D</td>
<td>47%</td>
<td>28</td>
<td>Manufacturer</td>
</tr>
<tr>
<td></td>
<td>Readily biodegradable (according to OECD criteria).</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 12.3. Bioaccumulative potential

On the basis of existing data about the elimination/degradation and bioaccumulation potential longer term damage to the environment cannot be ruled out.

### Partition coefficient n-octanol/water

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Chemical name</th>
<th>Log Pow</th>
</tr>
</thead>
<tbody>
<tr>
<td>25068-38-6</td>
<td>epoxy resin (number average molecular weight &lt;= 700), reaction product: bisphenol-A-(epichlorhydrin)</td>
<td>3.24</td>
</tr>
</tbody>
</table>

### BCF

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Chemical name</th>
<th>BCF</th>
<th>Species</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>25068-38-6</td>
<td>epoxy resin (number average molecular weight &lt;= 700), reaction product: bisphenol-A-(epichlorhydrin)</td>
<td>31</td>
<td></td>
<td>Quantitative structure-activity relationship (QSAR)</td>
</tr>
<tr>
<td>16096-31-4</td>
<td>1,6-Bis(2,3-epoxypropoxy)hexane</td>
<td>3.57</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 12.4. Mobility in soil

The product has not been tested.
12.5. Results of PBT and vPvB assessment

not applicable

12.6. Other adverse effects

No information available.

Further information

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Advice on disposal

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Dispose of waste according to applicable legislation.

Waste disposal number of waste from residues/unused products

080299 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU of other coatings (including ceramic materials); wastes not otherwise specified

Waste disposal number of used product

080299 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU of other coatings (including ceramic materials); wastes not otherwise specified

Contaminated packaging

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself. Dispose of waste according to applicable legislation.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number: UN 3082
14.2. UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Epoxidderivate)
14.3. Transport hazard class(es): 9
14.4. Packing group: III

Hazard label:

Classification code: M6
Special Provisions: 274 335 601
Limited quantity: 5 L
Transport category: 3
Hazard No: 90
Tunnel restriction code: E

Other applicable information (land transport)

Inland waterways transport (ADN)

14.1. UN number: UN 3082
14.2. UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Epoxidderivate)
14.3. Transport hazard class(es): 9
14.4. Packing group: III
Hazard label: 9

Classification code: M6
Special Provisions: 274 335 601
Limited quantity: 5 L

Other applicable information (inland waterways transport)
E1

Marine transport (IMDG)

14.1. UN number: UN 3082
14.2. UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (epoxy derivatives)
14.3. Transport hazard class(es): 9
14.4. Packing group: III
Hazard label: 9

Marine pollutant: Ja
Special Provisions: 274, 335
Limited quantity: 5 L
EmS: F-A, S-F

Other applicable information (marine transport)
E1

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number: UN 3082
14.2. UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (epoxy resin)
14.3. Transport hazard class(es): 9
14.4. Packing group: III
Hazard label: 9

Special Provisions: A97 A158
Limited quantity Passenger: 30 kg G
IATA-packing instructions - Passenger: 964
IATA-max. quantity - Passenger: 450 L
IATA-packing instructions - Cargo: 964
IATA-max. quantity - Cargo: 450 L

Other applicable information (air transport)
E1
Passenger-LQ: Y964

14.5. Environmental hazards
**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

<table>
<thead>
<tr>
<th>Epoxy Resin L 20</th>
</tr>
</thead>
<tbody>
<tr>
<td>Revision date: 01.06.2018</td>
</tr>
<tr>
<td>Product code: 112113</td>
</tr>
</tbody>
</table>

**ENVIRONMENTALLY HAZARDOUS:**  yes

**Danger releasing substance:**  epoxy resin (number average molecular weight <= 700), reaction product: bisphenol-A-(epichlorhydrin)

### 14.6. Special precautions for user

No information available.

### 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

<table>
<thead>
<tr>
<th>EU regulatory information</th>
</tr>
</thead>
<tbody>
<tr>
<td>2004/42/EC (VOC): 35 - 50%</td>
</tr>
</tbody>
</table>

**National regulatory information**

<table>
<thead>
<tr>
<th>Employment restrictions:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Observe restrictions to employment for juvenils according to the ‘juvenile work protection guideline’ (94/33/EC).</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Water contaminating class (D):</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 - clearly water contaminating</td>
</tr>
</tbody>
</table>

#### 15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

### SECTION 16: Other information

**Abbreviations and acronyms**

- ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
- IMDG: International Maritime Code for Dangerous Goods
- IATA: International Air Transport Association
- GHS: Globally Harmonized System of Classification and Labelling of Chemicals
- EINECS: European Inventory of Existing Commercial Chemical Substances
- ELINCS: European List of Notified Chemical Substances
- CAS: Chemical Abstracts Service
- LC50: Lethal concentration, 50%
- LD50: Lethal dose, 50%

**Relevant H and EUH statements (number and full text)**

- H315: Causes skin irritation.
- H317: May cause an allergic skin reaction.
- H319: Causes serious eye irritation.
- H411: Toxic to aquatic life with long lasting effects.
- H412: Harmful to aquatic life with long lasting effects.
- EUH205: Contains epoxy constituents. May produce an allergic reaction.

**Further Information**

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*