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

1.1 Product identifier
Trade name EP Contract Resin

1.2 Relevant identified uses of the substance or mixture and uses advised against
No further relevant information available.

Application of the substance / the mixture Construction chemicals

1.3 Details of the supplier of the safety data sheet
Manufacturer/Supplier:
Saint-Gobain Weber Limited
Dickens House
Enterprise Way
Flitwick
Bedfordshire
MK45 5BY

1.4 Emergency telephone number: Product safety department

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture
Classification according to Regulation (EC) No 1272/2008

GHS09 environment

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.

GHS07

Skin Irrit. 2 H315 Causes skin irritation.
Eye Irrit. 2 H319 Causes serious eye irritation.
Skin Sens. 1 H317 May cause an allergic skin reaction.

Classification according to Directive 67/548/EEC or Directive 1999/45/EC Void

Information concerning particular hazards for human and environment:
The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

Classification system:
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

2.2 Label elements
Labelling according to Regulation (EC) No 1272/2008
The product is classified and labelled according to the CLP regulation.

Hazard pictograms

GHS07 GHS09

(Contd. on page 2)
Signal word Warning

Hazard-determining components of labelling:
reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight = 700)
Bisphenol-F-Epichlorhydrine-Resin MG < 700

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

Precautionary statements
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P273 Avoid release to the environment.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P363 Wash contaminated clothing before reuse.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 Other hazards

Results of PBT and vPvB assessment
PBT: Not applicable.
vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

3.2 Chemical characterisation: Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

<table>
<thead>
<tr>
<th>CAS: 25068-38-6</th>
<th>NLP: 500-033-5</th>
<th>reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight = 700)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Xi R36/38; Xi R43; N R51/53</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aquatic Chronic 2; H411; Skin Irrit. 2; H315; Eye Irrit. 2; H319, Skin Sens. 1; H317</td>
<td></td>
<td></td>
</tr>
<tr>
<td>25 - 50%</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CAS: 9003-36-5</th>
<th>Bisphenol-F-Epichlorhydrine-Resin MG ≤ 700</th>
</tr>
</thead>
<tbody>
<tr>
<td>Xi R36/38; Xi R43; N R51/53</td>
<td></td>
</tr>
<tr>
<td>Aquatic Chronic 2; H411; Skin Irrit. 2; H315; Eye Irrit. 2; H319, Skin Sens. 1; H317</td>
<td></td>
</tr>
<tr>
<td>25 - 50%</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CAS: 100-51-6</th>
<th>EINECS: 202-859-9</th>
<th>Benzyl alcohol</th>
</tr>
</thead>
<tbody>
<tr>
<td>Xn R20/22</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acute Tox. 4; H302; Acute Tox. 4, H332</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5 - 10%</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Additional information For the wording of the listed risk phrases refer to section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information
Remove the victim immediately from the danger area. If the patient is unwell consult a doctor and present this data sheet.
40.1.3

After inhalation
Supply fresh air and to be sure call for a doctor.
In case of unconsciousness place patient stably in side position
for transportation.

After skin contact
Immediately wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.

After eye contact
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
Rinse liquid should be tempered (20-30 °C).

After swallowing
Do not induce vomiting; call for medical help immediately.
Rinse out mouth and then drink plenty of water.

4.2 Most important symptoms and effects, both acute and delayed
No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed
No further relevant information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media
Suitable extinguishing agents
CO2, powder or water spray. Fight larger fires with water spray
or alcohol resistant foam.

5.2 Special hazards arising from the substance or mixture Carbon monoxide (CO)

5.3 Advice for firefighters
Protective equipment: Wear fully protective suit.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Wear protective equipment. Keep unprotected persons away.

6.2 Environmental precautions:
Do not allow product to reach sewage system or any water course.
Do not allow to penetrate the ground/soil.
Inform respective authorities in case of seepage into water
course or sewage system.

6.3 Methods and material for containment and cleaning up:
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

6.4 Reference to other sections
See Section 7 for information on safe handling
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling
Ensure good ventilation/exhaustion at the workplace.

Information about fire - and explosion protection: No special measures required.

(Contd. of page 2)

(Contd. on page 4)
7.2 Conditions for safe storage, including any incompatibilities

Storage
Requirements to be met by storerooms and receptacles:
Store only in unopened original receptacles.
Prevent any seepage into the ground.
Information about storage in one common storage facility: Not required.
Further information about storage conditions:
Store receptacle in a well ventilated area.
Keep container tightly sealed.
None.

7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

Additional information about design of technical facilities: No further data; see item 7.

8.1 Control parameters
Ingredients with limit values that require monitoring at the workplace:
Additional information:
The applicable TRGS 900 (MAK list) was used as the basis for the preparation and/or revision of this safety data sheet.

8.2 Exposure controls
Personal protective equipment:
General protective and hygienic measures:
The usual precautionary measures are to be adhered to when handling chemicals.
Wash hands before breaks and at the end of work.
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Respiratory protection:
Use suitable respiratory protective device only when aerosol or mist is formed.
Filter A2/P2.
Protection of hands: Protective gloves.
Material of gloves
Nitrile rubber, NBR
Butyl rubber, BR
Penetration time of glove material
The determined penetration times according to EN 374 part III are not performed under practical conditions. Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended.
Thickness≥0.4mm.
Eye protection: Goggles recommended during refilling
Body protection: Protective work clothing.
**SECTION 9: Physical and chemical properties**

**9.1 Information on basic physical and chemical properties**

**General Information**

**Appearance:**
- **Form:** Fluid
- **Colour:** Light yellow
- **Odour:** Characteristic
- **Odour threshold:** Not determined.

**pH-value:** Not applicable.

**Change in condition**
- **Melting point/Melting range:** Undetermined.
- **Boiling point/Boiling range:** 201 °C (DIN)

**Flash point:** 101 °C (DIN ISO 2592)

**Flammability (solid, gaseous):** Not applicable.

**Ignition temperature:** 184 °C (DIN 51794)

**Decomposition temperature:** Not determined.

**Self-igniting:** Product is not selfigniting.

**Danger of explosion:** Product does not present an explosion hazard.

**Explosion limits:**
- **Lower:** 1.3 Vol % (DIN 51649)
- **Upper:** 13.0 Vol % (DIN 51649)

**Oxidising properties**
- Not determined.

**Vapour pressure at 20 °C:** 0.1 hPa (DIN 51640)

**Density:** Not determined

**Bulk density:** Not applicable.

**Relative density:** Not determined.

**Vapour density:** Not determined.

**Evaporation rate:** Not determined.

**Solubility in / Miscibility with Water:** Not miscible or difficult to mix

**Segregation coefficient (n-octanol/water) log Pow:** Not determined.

**Viscosity:**
- **dynamic:** Not determined.
- **kinematic:** Not determined.

**Solvent separation test:** Not determined

**Solvent content:**
- **Organic solvents:** 9.8 %
- **EU-VOC:** 9.77 %
SECTION 10: Stability and reactivity

10.1 Reactivity
10.2 Chemical stability Stable at recommended storage conditions
Thermal decomposition / Conditions to be avoided:
No decomposition if used according to specifications.
10.3 Possibility of hazardous reactions
May produce violent reactions with bases and numerous organic substances including alcohols and amines
Exothermic polymerisation.
10.4 Conditions to avoid No further relevant information available.
10.5 Incompatible materials: No further relevant information available.
10.6 Hazardous decomposition products: No dangerous decomposition products known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects
Acute toxicity:
LD/LC50 values relevant for classification:

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Species</th>
</tr>
</thead>
<tbody>
<tr>
<td>25068-38-6 reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight = 700)</td>
<td>Oral</td>
<td>LD50</td>
<td>15000 mg/kg (rat)</td>
</tr>
<tr>
<td></td>
<td>Dermal</td>
<td>LD50</td>
<td>23000 mg/kg (rabbit)</td>
</tr>
<tr>
<td>9003-36-5 Bisphenol-F-Epichlorhydrine-Resin MG ≤ 700</td>
<td>Oral</td>
<td>LD50</td>
<td>23800 mg/kg (rat)</td>
</tr>
<tr>
<td></td>
<td>Dermal</td>
<td>LD50</td>
<td>&gt; 2000 mg/kg (rabbit)</td>
</tr>
<tr>
<td>100-51-6 Benzyl alcohol</td>
<td>Oral</td>
<td>LD50</td>
<td>1230 mg/kg (rat)</td>
</tr>
<tr>
<td></td>
<td>Dermal</td>
<td>LD50</td>
<td>2000 mg/kg (rabbit)</td>
</tr>
<tr>
<td></td>
<td>Inhalative</td>
<td>LC50/4 h</td>
<td>4178 mg/l (rat)</td>
</tr>
</tbody>
</table>

Primary irritant effect:
on the skin: Irritant to skin and mucous membranes.
on the eye: Strong irritant with the danger of severe eye injury.
Sensitisation: No sensitising effects known.

SECTION 12: Ecological information

12.1 Toxicity
Aquatic toxicity: No further relevant information available.
## Type of test Effective concentration Method Assessment

<table>
<thead>
<tr>
<th>Substance</th>
<th>Effective Concentration</th>
<th>Method</th>
<th>Assessment</th>
</tr>
</thead>
<tbody>
<tr>
<td>25068-38-6 reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight = 700)</td>
<td>EC50/48h 1.8 mg/l (water flea)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>EC50/96h 220 mg/l (Selenastrum capricornutum (green alge))</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>LC50/96h 2 mg/l (orf)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9003-36-5 Bisphenol-F-Epichlorhydrine-Resin MG ≤ 700</td>
<td>EC50/48h 2.55 mg/l (water flea)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>EC50/96h 2.54 mg/l (orf)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>LC50/48h 2.55 mg/l (water flea)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>LC50/96h 2.54 mg/l (orf)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>100-51-6 Benzyl alcohol</td>
<td>EC 10 400 mg/l (pseudomonas putida (Bacteria))</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>EC50/24h 400 mg/l (water flea)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>EC50/96h 400 mg/l (water flea)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>LC50/48h 640 mg/l (scenedesmus quadricauda (Alge))</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>LC50/96h 645 mg/l (orf)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>LC50/96h 10 mg/l (sunfish)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>460 mg/l (monnow)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 12.2 Persistence and degradability

No further relevant information available.

### 12.3 Bioaccumulative potential

<table>
<thead>
<tr>
<th>Substance</th>
<th>EBAB 1.1 log Pow (Bioakkumulation)</th>
</tr>
</thead>
<tbody>
<tr>
<td>100-51-6 Benzyl alcohol</td>
<td>1.1 log Pow (Bioakkumulation)</td>
</tr>
</tbody>
</table>

### 12.4 Mobility in soil

No further relevant information available.

### Ecotoxicological effects:

#### Behaviour in sewage processing plants:

<table>
<thead>
<tr>
<th>Substance</th>
<th>Type of test Effective concentration Method Assessment</th>
</tr>
</thead>
<tbody>
<tr>
<td>100-51-6 Benzyl alcohol</td>
<td>EC 50 (3h) 79 mg/l (scenedesmus quadricauda (Alge))</td>
</tr>
</tbody>
</table>

### Other information:

<table>
<thead>
<tr>
<th>Substance</th>
<th>Additional ecological information:</th>
</tr>
</thead>
<tbody>
<tr>
<td>100-51-6 Benzyl alcohol</td>
<td>General notes:</td>
</tr>
<tr>
<td></td>
<td>Danger to drinking water if even small quantities leak into the ground.</td>
</tr>
</tbody>
</table>

### 12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.
12.6 Other adverse effects No further relevant information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods
European waste catalogue
Possible waste code. The concrete waste code depends on the source of the waste.

Uncleaned packaging:
Recommendation:
Packagings that may not be cleansed are to be disposed of in the same manner as the product.

SECTION 14: Transport information

14.1 UN-Number
ADR, IMDG, IATA
UN3082

14.2 UN proper shipping name
ADR
3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
IMDG
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Epoxyresin, Epoxy Resin), MARINE POLLUTANT
IATA
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

14.3 Transport hazard class(es)
ADR, IATA

Class
9 Miscellaneous dangerous substances and articles.

IMDG

Class
9 Miscellaneous dangerous substances and articles.

Label
9

14.4 Packing group
ADR, IMDG, IATA
III

(Contd. of page 7)
### 14.5 Environmental hazards:

<table>
<thead>
<tr>
<th>Marine pollutant:</th>
<th>Product contains environmentally hazardous substances: Epoxy Resin, Epoxyresin</th>
</tr>
</thead>
<tbody>
<tr>
<td>Special marking (ADR):</td>
<td>Yes Symbol (fish and tree)</td>
</tr>
<tr>
<td>Special marking (IATA):</td>
<td>Symbol (fish and tree) Symbol (fish and tree)</td>
</tr>
</tbody>
</table>

### 14.6 Special precautions for user

**Warning:** Miscellaneous dangerous substances and articles.

**EMS Number:**

F-A,S-F

### 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

**Not applicable.**

**Transport/Additional information:**

Not dangerous according to the above specifications.

#### ADR

<table>
<thead>
<tr>
<th>Limited quantities (LQ)</th>
<th>5L Code: E1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum net quantity per inner packaging: 30 ml</td>
<td></td>
</tr>
<tr>
<td>Maximum net quantity per outer packaging: 1000 ml</td>
<td></td>
</tr>
</tbody>
</table>

#### IMDG

<table>
<thead>
<tr>
<th>Limited quantities (LQ)</th>
<th>5L Code: E1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum net quantity per inner packaging: 30 ml</td>
<td></td>
</tr>
<tr>
<td>Maximum net quantity per outer packaging: 1000 ml</td>
<td></td>
</tr>
</tbody>
</table>

#### UN "Model Regulation":

UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., 9, III

---

### SECTION 15: Regulatory information

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

No further relevant information available.

**15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

---

### SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

**Relevant phrases**

- H302 Harmful if swallowed.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.
H411 Toxic to aquatic life with long lasting effects.
R20/22 Harmful by inhalation and if swallowed.
R36/38 Irritating to eyes and skin.
R43 May cause sensitisation by skin contact.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Department issuing MSDS: Product safety department.

Contact:
Dr Sara Kelly
SHEQ Systems Manager
Weber
Tel: 01525 722145
Fax: 01525 718988
Email: sara.kelly@netweber.co.uk

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
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
ICAO: International Civil Aviation Organisation
GHS: Globally Harmonised 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 (division of the American Chemical Society)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Acute Tox. 4: Acute toxicity, Hazard Category 4
Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2
Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2
Skin Sens. 1: Sensitisation - Skin, Hazard Category 1
Aquatic Chronic 2: Hazardous to the aquatic environment - Chronic Hazard, Category 2