1. Identification of the product and the company.

Substance or preparation trade name: GENERAL PURPOSE EPOXY RESIN
Unique reference numbers(s):
Company/undertaking name & address: As above
Telephone: 01270 766685
Emergency telephone number:

2. Information on ingredients

<table>
<thead>
<tr>
<th>Substance Name</th>
<th>Value</th>
<th>CAS No</th>
<th>Symbol</th>
<th>R-Phrases</th>
</tr>
</thead>
<tbody>
<tr>
<td>Epoxy resin</td>
<td>&lt;70%</td>
<td>25068-38-6</td>
<td>R</td>
<td>R36/38-43-51/53</td>
</tr>
<tr>
<td>Bisphenol F. epichlorohydrin resin</td>
<td>&lt;30%</td>
<td>28064-14-4</td>
<td>R</td>
<td>R36/38-43-51/53</td>
</tr>
<tr>
<td>Aliphatic glycidylether</td>
<td>&lt;15%</td>
<td>68081-84-5</td>
<td>Xi,N</td>
<td>R36/38-43-51/53</td>
</tr>
</tbody>
</table>

3. Hazards Identification

Risk phrases: Irritating to eyes and skin. May cause sensitization by skin contact
Environmental hazard: Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.
Other hazards: Not classified as flammable but will burn.

4. First aid measures

Inhalation: No specific measures.
Skin contact: DO NOT DELAY Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Transfer to hospital if there are burns or symptoms of poisoning.
Eye contact: DO NOT DELAY Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.
Ingestion: DO NOT induce vomiting. If conscious, give 1 pint water to drink immediately. If unconscious and breathing is OK, place in recovery position. Transfer to hospital as soon as possible.

5. Fire fighting measures
Suitable extinguishing media: Foam. Water spray or fog. Unsuitable extinguishing media is water jet. Use water spray to cool containers.
Surrounding fires: Use water spray or fog for cooling exposed containers.
Protection against fire: Do not enter fire area without proper protection. Respiratory protection equipment may be necessary.
Special procedures: Exercise caution when fighting any chemical fire. Avoid (reject) fire fighting water entering the environment.
Exposure hazards: Not classified as flammable but will burn. Carbon monoxide may evolve if combustion occurs.

6. Accidental release measures

Personal precautions: Equip cleanup crew with proper protection. Respiratory protection equipment may be necessary.
Environmental precautions: Contain spillage using bunding. Do not discharge into drains or rivers. Do not contaminate surface water – avoid subsoil penetration. If material enters drains it should be pumped out into an open vessel, emergency services should be called to assist in this operation.
Methods for cleaning: Absorb into dry earth or sand, transfer to a closable, labeled container for disposal by method. Scrub contaminated waste. Put leaking containers in a labeled drum or overdrum. Refer to section 13 of SDS for suitable method of disposal.

7. Handling and storage

Precautions in handling and storage: Both local exhaust and general room ventilation are usually required.
Storage: Store in dry well ventilated areas.
Handling: Handle in accordance with good industrial hygiene and safety procedures. Ensure prompt removal from skin, eyes, and clothing. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and when leaving work. Palliated loads should be stacked to maximum of 4 high.

8. Exposure Controls / Personal protection

Personal protection:
Respiratory protection: No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation.
Skin protection: Protective gloves, Nitrile or Butyl.
Eye protection: Safety glasses and suitable eyewash bottle with clean water.
Ingestion: When using, do not eat, drink, or smoke.

9. Physical and chemical properties

Appearance: Liquid
Colour: Pale yellow
Odour: Perceptible odour
Oxidising: Non oxidising
Solvency in water: 11.6 mg/l @ 20ºC
Boiling point: 150ºC
Viscosity: 0.7 – 1.1 Pa.s: 25ºC ASTM D-445
Autoignitability: ca 400ºC
Flash point (ºC): >150
Vapour pressure: <0.1 mbar @ 20ºC
Relative density: 1.12 kg/m³ @ 20ºC

10. Stability and reactivity

Stability: Stable under normal conditions.
Conditions to avoid: Caustic soda can induce vigorous polymerization at temperatures around 200ºC
Materials to avoid: Strong oxidizing agents.
Haz comp products: Hazardous decomposition products are not expected to form during normal storage.
Polymerises: Exothermically with amines, mercaptans, and Lewis acids at ambient temperature and...
above polymerises in contact with caustic soda. Reacts exothermically with bases, ammonia, primary and secondary amines, alcohols and acids.

11. Toxicological information

Routes of exposure: Eye skin irritation expected to be slightly irritant and skin sensitizer, Not expected to be mutagenic hazard.

12. Ecological information

Mobility: Sinks in water
Persistence and degradability: Not Biodegradable
Biocumulative potential: Biocumulation potential
Other adverse effects: Harmful to aquatic organisms.

13 Disposal Considerations

Disposal: Avoid release to the environment.
Dispose of this material and its container at hazardous or special waste collection point.
Despose in a safe manner in accordance with local/national regulations.

14. Transport information

Shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
UN No: 3082
HI No: 90
ADR/RID Group 111
Class 9
IMDG/IMO UN No: 3082
Packing group: 111
Marine pollutant: Yes
Labelling: 9

IATA/ICAO UN No: 3082
Class: 9
Packing group: 111
Packing precautions: 914
Quantity: no limit
Labelling: 9

15. Regulatory information

Symbols: Irritant
Dangerous to the environment.
R Phrases: R36/38- Irritating to eyes and skin.
R43 May cause sensitization by skin contact.
R51/53- Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.
S Phrases: S24- Avoid contact with skin
S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S37- Wear suitable gloves.
S59- Refer to manufacturer supplier for information on recovery/recycling.

16. Other Information

Recommendations/restrictions: None
The contents and format of this MSDS are in accordance with EEC Commission Directive 2001/58/EC.

DISCLAIMER OF LIABILITY The information in this MSDS was obtained from sources which we believe are reliable, However the information is provided without any warranty. Express or implied, regarding its correctness. The conditions or methods of handling, Storage,
Material Safety Data Sheet

Date prepared: 01/07/2003

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