

## 1. IDENTIFICATION OF PREPARATION & OF COMPANY

Product: Epoxy Resin Primer  
Manufacturer: Chemco International Ltd  
East Shawhead Industrial Estate  
Coatbridge ML5 4XD  
Scotland United Kingdom  
Telephone No: +44 (0) 1236 606060  
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## 2. COMPOSITION INFORMATION ON INGREDIENTS

Blend of epoxy resin and reactive diluents.

Chemicals	Classification	Risk phrases
Bisphenol A	N, Xi	R36/38, R43, R51/53
Bisphenol F	N, Xi	R36/38, R43, R51/53
Aliphatic diglycidylether	Xi	R36/38, R43

The remaining 30% of the composition is a blend of proprietary, non-hazardous chemicals that are trade secret.

## 3. HAZARDS IDENTIFICATION

Acute effects: Irritating to eyes and skin. May cause sensitisation by skin contact. Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

## 4. FIRST AID MEASURES

Inhalation: Move to fresh air if effects occur. Seek medical attention.  
Ingestion: Immediately give plenty of water (if possible charcoal slurry). Seek medical attention immediately. Do not induce vomiting. Fully trained personnel can use oxygen or artificial respiration if required.  
Eyes: Rinse with flowing water immediately for at least 15 minutes. Seek medical attention.  
Skin: Remove contaminated clothing. Flush with flowing water for at least 15 minutes. Wash affected area with soap and water. Seek medical attention if irritation persists.

## 5. FIRE-FIGHTING MEASURES

Extinguishing media: Carbon dioxide, dry chemical powder, alcohol foam.  
Hazardous combustion products: Under conditions for incomplete combustion or pyrolysis, phenolics and carbon oxides may evolve. The thermal decomposition products therefore should be treated as potentially hazardous substances and appropriate precautions should be taken.  
Specific fire or explosion hazards: Non-flammable product.  
Special fire-fighting protection: Wear positive pressure self-contained breathing apparatus and protective fire-fighting clothing (includes fire-fighting helmet, coat, pants, boots and gloves).

## 6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Wear adequate personal protective equipment.
Environmental precautions:	Prevent from entering soil, waterways and groundwater. Flushing and wash waters must be confined and prevented from entering into soil, waterways and ground water. Contain large spills with a dike.
Methods for cleaning up:	Soak up with absorbent material such as sand and collect in suitable, labelled containers. Solvents are not recommended for clean-up unless the recommended exposure guidelines and safe handling procedures for the specific solvent is followed. Residual product may be removed using steam or hot soapy water.

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## 7. HANDLING & STORAGE

Handling:	Practice care and caution to avoid skin and eye contact. Avoid breathing vapours of heated material.
Storage:	Store in a cool, dry, ventilated storage and in closed containers. Keep away from oxidisers, heat or flames.

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering controls:	Adequate ventilation should be sufficient for most conditions. Local exhaust ventilation may be necessary for some operations.
Exposure controls:	Not established.
Respiratory protection:	Normally not required. If respiratory irritation is experienced, use an approved air purifying respirator. In misty atmospheres, use an approved mist respirator.
Eye protection:	Chemical safety glasses, splash-proof eye goggles with a full face shield. Contact lenses should not be worn.
Skin protection:	Use protective clothing impervious to this material. Selection of specific items will depend on operation. Use impervious gloves when prolonged or frequent contact could occur. Remove contaminated clothing no later than at the end of the work period and launder before re-use.
Hand protection:	Nitrile rubber gloves or butyl rubber gloves, gauntlet type.

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## 9. PHYSICAL & CHEMICAL PROPERTIES

Physical state:	Viscous liquid.
Colour:	Pale yellow.
Odour:	Odour free.
Specific gravity @ 25°C:	1.28 - 1.35g.cm <sup>-3</sup>
pH:	Not applicable.
Boiling point:	Decomposes prior to boiling.
Flash point:	100°C (DIN 51758).
Water solubility:	Insoluble.

## 10. STABILITY & REACTIVITY

Chemical stability:	Stable under normal storage conditions.
Materials to avoid:	Acids, amines, bases and oxidising agents.
Conditions to avoid:	Excessive heating over long periods of time degrades the product (causes discoloration).
Hazardous polymerisation:	Will not occur by itself but masses of more than 0.5kgs of product, plus an aliphatic amine will cause irreversible polymerisation with considerable heat build-up.

## 11. TOXICOLOGICAL INFORMATION

Acute toxicity Ingestion:	Single dose oral toxicity is low. Small amounts swallowed incidental to normal handling operations are not likely to cause injury.
Skin contact:	Oral LD50 (rats) = > 2,000mg/kg. Single prolonged exposure is not likely to result in material being absorbed through the skin in harmful amounts.
Inhalation:	At room temperature, exposures to vapours may generate vapour levels sufficient to cause adverse effects.
Irritation:	Skin: Prolonged or repeated exposure may cause slight skin irritation.
	Eyes: May cause eye irritation (temporary corneal injury).
Sensitisation:	Has caused allergic skin reactions in humans.

## 12. ECOLOGICAL INFORMATION

Mobility and bioaccumulation potential:	Partitioning from water to octanol is not applicable.
Degradation:	Below detectable limits under aerobic conditions.
Aquatic toxicity:	LC50 (fathead minow - pimephales promelas) = 3.1mg/l

## 13. DISPOSAL CONSIDERATIONS

Product:	Recommended procedure for disposing of waste products is burning under carefully controlled conditions. Burn in adequate incinerator or bury in an approved land-fill site in compliance with applicable regulations. Do not dump into any sewers, on the ground or into any body of water.
Wastes or residues:	Customers are advised to check their local legislation governing the disposal of hazardous chemical waste.
Contaminated packaging:	Empty container disposed of as hazardous waste unless all remaining product adhering to container wall has been removed. Hazard warning labels can then be removed from the container walls and the container sent for recycling or disposal of safety and in accordance with local regulations. Washings must be disposed of safely in accordance with local regulations.

## 14. TRANSPORT INFORMATION

Proper shipping name: Environmentally hazardous substance, liquid, n.o.s.  
(epoxy resin)

Road/rail  
ADR/RID Class: 9                      ADR/RID Item No: 11c  
Hazard No: 90                      Trem Card: 90G01  
UN No: UN 3082

Sea  
IMDG Class: 9                      Packing Group: III  
UN No: UN 3082

Air  
IATA/ICAO Class: 9                      Packing Group: III  
UN No: UN 3082  
Packing Instruction (Pass & Cargo): 914                      Packing Instruction (Cargo): 914

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## 15. REGULATORY INFORMATION

Chemical name: Contains epoxy resin, hexanediol diglycidylether.  
Labelling: According to EEC directives relating to packaging and  
labelling of dangerous substances and UK Chemical  
Hazard Information and Packaging for Supply (CHIPS)  
legislation.  
Symbols: (N) Dangerous for the environment.  
(Xi) Irritant.  
Risk phrases: 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.  
Safety phrases: S28, After contact with skin, wash immediately with  
plenty of water.  
S37/39, Wear suitable gloves and eye/face protection.

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## 16. OTHER INFORMATION

The information contained in this data sheet is based on present state of knowledge and current national legislation (CHIPS). It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for the particular applications.