

## 1. IDENTIFICATION OF PREPARATION & OF COMPANY

Product: Epoxy Acrylic Top-coat Hardener  
Manufacturer: Chemco International Ltd  
East Shaw head Industrial Estate  
Coatbridge ML5 4XD  
Scotland United Kingdom  
Telephone No: +44 (0) 1236 606060  
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Email: sales@chemcoint.com  
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## 2. COMPOSITION INFORMATION ON INGREDIENTS

Epoxy resin solution

Chemicals	Classification	Risk phrases	CAS No.	%
Aliphatic epoxy resin	Xi	R36/38, R43	30583-72-3	60 - 70
1-methoxy-2-propanol	Xn,F	R10, R20/21, R38	107-98-2	10 - 15
MIBK	Xn, F	R10, R20/21, R38	108-10-1	5 - 10

The remaining 20% of the composition is a blend of proprietary, non-hazardous chemicals that are trade secret.

## 3. HAZARDS IDENTIFICATION

Acute effects: Flammable. 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: Water spray, carbon dioxide, dry powder, and foam.  
Unsuitable extinguishing media: High volume water jet.  
Hazardous decomposition products: Burning produces obnoxious and toxic fumes. Carbon oxides.  
Special fire-fighting protection: Wear self-contained breathing apparatus and protective suit.

## 6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Do not breathe vapours/dust. Keep away from sources of ignition. No smoking. Avoid contact with skin, eyes and clothing.
Environmental precautions:	Avoid subsoil penetration. Prevent product from entering drains. Do not contaminate surface water.
Methods for cleaning up:	Soak up with inert absorbent material such as sand and dispose of as hazardous waste.

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## 7. HANDLING & STORAGE

Handling:	To avoid ignition of vapours by static electricity discharge, all metal parts of the equipment must be grounded. Provide sufficient air exchange and/or exhaust in work rooms. Ensure adequate ventilation. Remove all sources of ignition. Handle and open container with care. Avoid formation of aerosol.
Storage:	Keep away from food, drink and animal feeding stuffs. Keep container tightly closed. Store at room temperature in the original container.
Storage hazard class:	Flammable liquids.

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Technical measures/controls:	Avoid formation of aerosol. Provide appropriate exhaust ventilation at machinery and places where dust can be generated.
Exposure limits:	MIBK: OSHA permissible exposure limit (OEL): 100ppm (TWA). (650mg/m <sup>3</sup> ).
Respiratory protection:	In case of insufficient ventilation wear suitable respiratory equipment.
Eye protection:	Tightly fitting safety goggles. Face-shield.
Skin and body protection:	Protective suit. Safety shoes.
Hand protection:	Rubber or plastic gloves.
General personal protection:	Keep away from sources of ignition. No smoking. Avoid contact with skin, eyes and clothing.

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## 9. PHYSICAL & CHEMICAL PROPERTIES

Physical form:	Liquid.
Colour:	Clear.
Odour:	Solvent.
Flash point:	> 26°C
Water solubility:	Practically insoluble @ 20°C
Miscibility with water:	Immiscible.

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## 10. STABILITY & REACTIVITY

Conditions to avoid:	Take necessary action to avoid static electricity discharge.
Materials to avoid:	Strong acids, bases and oxidising agents.
Hazardous decomposition products:	Carbon oxides. Burning produces obnoxious and toxic fumes.

## 11. TOXICOLOGICAL INFORMATION

Acute toxicity:  
Oral LD50: > 2000mg/kg (rat).

Acute toxicity (irritation, sensitisation, etc):  
Eye: Irritating. (rabbit).  
Skin: Irritating. (dermal rabbit).  
Sensitisation: Causes sensitisation. (dermal-guinea pig).

## 12. ECOLOGICAL INFORMATION

Degradability: Avoid subsoil penetration. Do not let product enter drains.  
Do not contaminate surface water.

## 13. DISPOSAL CONSIDERATIONS

Waste key number: 57306.  
Product: Must be incinerated when in compliance with the local, national or International regulations.  
Container: Empty containers can be land-filled after cleaning when in compliance with the Environmental Protection (Duty of Care) Regulations 1991.

## 14. TRANSPORT INFORMATION

Proper shipping name: Resin solution

Road, Rail & Barge  
ADR/RID Loaded: 3-31(C) Empty: 3-41 Label: 3  
Barge ADNR Loaded: 3-3 Empty: 3-6 Label: 2A  
Kemler Code: 30 PENOS Code: S  
UN No: UN 1866 Trem Card No: 677B

Sea  
IMO/IMDG Class: 3.3 Label: 3  
EMS: 3-05 MFAG: 310  
UN No: UN 1866 Packing Group: III

Air  
IATA/ICAO Class: 3 Packing Group: III  
UN No: UN 1866  
Packaging Instruction (Pass & Cargo): 309 Packaging Instruction (Cargo): 310

## 15. REGULATORY INFORMATION

Chemical name:	Resin solution.
Labelling:	According to EEC directives relating to packaging and labelling of dangerous substances and UK Chemicals Hazard Information and Packaging for Supply (CHIPS) legislation.
Symbols:	(Xi) Irritant. (N) Dangerous for the environment. (F) Flammable.
Risk phrases:	R10, Flammable. R20/21, Harmful by inhalation and in contact with skin. 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:	S16, Keep away from sources of ignition. No smoking. S28, After contact with skin, wash immediately with plenty of soap and water. S37/39, Wear suitable gloves and eye/face protection. S61, Avoid release to the environment. Refer to special instructions/safety data sheets.

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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.