



# MATERIAL SAFETY DATA SHEET

## Epoxy Paints (Solvent Free)

Issue Date : 01 - 01 - 2000  
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### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Epoxy Paints (Clear Or Pigmented) Solvent Free  
Chemical Description: A blend of Epoxy Resin Polyester, pigments and Filler  
Supplier: MAS Paints & Chemicals Industry.  
Telephone & Fax No: 00971 - 06 - 5440566, 00971 - 06 - 5440596

### 2. COMPOSITION / INFORMATION ON INGREDIENTS

Substance Chemical family: Mixture of Epoxy Resin, Pigments and Fillers Reaction production of biphenyl A and epichlorohydrin.  
Common name: liquid Epoxy Paint  
CAS number: 25068-38-6

### 3. HAZARD IDENTIFICATION

Human health Hazards: Harmful by inhalation to eyes and skin. May cause sensitisation by skin contact.  
Safety hazards: Not classified flammable but will burn.  
Environmental hazards: Toxic to aquatic organisms. May causes long term adverse in the aquatic environment.

### 4. FIRST AID MEASURES

Symptoms and effect: Irritation of the skin and eyes.  
First AID - inhalation: Not specific measures.  
First AID -skin: DO NOT DELAY, Remove contaminated clothing. Wash skin with water using soap if available. If persistent irritation occurs, obtain medical attention.  
First AID - Eye: DO NOT DELAY Flush eye with water. If persistent irritation occurs, obtain medical attention.  
First AID -Ingestion: Do not induce vomiting. In the unlikely event of ingestion, obtain medical attention.  
Advice to Physicians: If skin sensitisation has developed and a causal relationship has been a confirmed, further exposure should not be allowed.

### 5. FIRE FIGHTING MEASURES

Specific hazards: Not classified, as flammable but will burn. Carbon monoxide may be evolved if incomplete combustion occurs.  
Extinguishing media -small fires: Dry chemical powder, carbon dioxide, foam, water spray fog, sand or earth.  
Extinguishing media -large fires: Foam, water spray or fog.  
Unsuitable extinguishing media: Water in a jet.  
Protective equipment: Full protective clothing and self-contained breathing apparatus.

Other information: keep adjacent containers cool by spraying with water.

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## 6. ACCIDENTIAL RELEASE MEASURE

Personal precaution: Avoid contact with eyes and clothing.  
Personal Protection: Wear protective clothing specified for normal operation (see section 8)  
Environmental precaution: Prevent contamination of soil and water. Prevent from spreading or entering into drains, ditches or rivers by using sand, earth, or other appropriate barriers. If material enters drain. It should be pumped out into an open vessel. Emergency service may need to be called to assist in this operation.  
Clean-up methods -small Spillage: Absorb or contain liquid with sand, earth or spill control material. Shovel up and place in a labelled, sealable container for subsequent safe disposal. Scrub contaminated surface with detergent solution. Retain washing as contaminated waste. Put leaking containers in a labelled drums or overdrum.  
Clean-up methods -large Spillage: Transfer to a labelled, sealable container for product recovery or safe disposal. Otherwise treat as for small spillage.  
Other Information: See section 13 for information on disposal.

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## 7. HANDLING AND STORAGE

Handling: Avoid contact with skin, eyes and clothing.  
Storage: Keep container tightly closed and dry. Palletised loads should be stacked to a maximum of 4 high.  
Storage temperatures: Ambient.

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## 8. EXPOSURE CONTROL / PERSONAL PROTECTION

Occupational exposure standards: None established  
Respiratory protection: Not normally required. In a confined space wear half mask respirator with organic vapour cartridge and built-in particulate filter NPF 20.(gas only). If product is applied by spraying, wear self-contained breathing apparatus.  
Protection for hands: Nitrile rubber gloves or butyl rubber gloves, gauntlet type.  
Eye Protection: Monogoggles.  
Protection for body: Standard issue work clothes. Safety shoes or boots - chemical resistant without lace holes.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Liquid  
Colour: Clear and Pigmented  
Odour: Slight  
pH: Circa 7  
Boiling point: > 200 °C  
Vapour pressure: <0.01 Pa @ 20 °C  
Relative density: 1160 Kg / m<sup>3</sup> @ 20 °C  
Dynamic Viscosity: 12 - 14 Pa.s @ 25 °C  
Electrical conductivity: 1150 ps/m<sup>3</sup> @ 22 °C  
Flash point: > 200 °C  
Autoignition: > 300 °C  
Solubility in water: Circa 0.009 kg/m<sup>3</sup> @ 23 °C  
n-octanol / water partition coefficient :log P<sub>cw</sub>> 3

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## 10. STABILITY AND REACTIVITY

stability:	Stable under normal conditions. Reacts with strong oxidising agents polymerises exothermically with amines, mercaptans and Lewis acids at eminent and above. Polymerises in contact with caustic soda.
Conditions to avoid:	Caustic soda can induce a vigorous polymerisation at temperatures around 200 °C
Materials to avoid:	Strong oxidising agents. Caustic soda.
Hazardous decomposition Product:	Hazardous decomposition products are not expected to form during normal storage.

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## 11. TOXICOLOGICAL INFORMATION

Basis for assessment:	Information give is bases on Product data.
Acute toxicity -oral:	LD 50 > 2000mg/kg
Acute toxicity -dermal:	LD 50 > 2000mg/kg
Eye irritation:	Irritant
Skin irritation:	Irritant
Respiratory irritation:	Not irritating
Skin sensitisation:	Skin sensitiser
Carcinogenicity:	A recent review of the available data by the International Agency for Research on cancer (IARC), has concluded that DGEBA is not classifiable as to its carcinogenicity.
	<b>Mutagenicity:</b>
Mutagenicity:	Positive in in vitro, but negative in in vivo assays.

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## 12. ECOLOGICAL INFORMATION

Basis for assessment:	Incomplete ecotoxicological data are available for the substance.
Mobility:	Skims in water.
Persistence / degradability:	Not readily biodegradable.
Bioaccumulation:	Has the potential to bioaccumulate.
Acute toxicity - fish:	Toxic, $1 < LC_{50} < 10$ mg/l.
Sewage treatment:	Toxic, $EC_{50} > 10$ mg/l, to organisms in sewage treatment plants.

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## 13. DISPOSAL CONSIDERATIONS

Precautions:	See section 8. Refer to section 7 before handling the product or containers.
Waste disposal:	Recover or recycle if possible. Otherwise incineration or dispose to licensed disposal contactor.
Product disposal:	Recover or recycle if possible. Otherwise incineration or dispose to licensed disposal contactor.
Container disposal:	Drain container thoroughly. Rinse three times with C suitable solvent. Treat resins as for product disposal after draining vent in a safe place away from sparks and fire. Send to drums recovery or metal reclaimer.
Local Legislation:	

## 14. TRANSPORT INFORMATION

Not dangerous for conveyance under UN, IMO and IATA/ICAO codes.

ADNR Class /Item: 9/ II(C)  
ADR/RID Symbol: Miscellaneous dangerous substances.  
ADR/RID kemler: 90  
3082  
ADR/RID Proper Shipping name: Environmentally hazardous substance, Liquid, N.O.S. (Epoxy Paint)  
Other Information:

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## 15. REGULATORY INFORMATION

### Label information

EC label name: Epoxy Paint  
EC Classification: Irritant. Dangerous for the environment.  
EC Symbols: X, N  
EC Risk phrases: R 36/38 Irritating to eyes and skin.  
R 43 May causes sensitisation by skin contact.  
R 51/53 Toxic to aquatic organisms may causes long-term adverse effects in the aquatic environment  
EC Safety phrases: S 24. Avoid contact with skin. S 26 in case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S 28 after contact with skin wash plenty of soap and water S 37/39 Wear suitable gloves and eye/face protection.  
S 61 Avoid release to the environment. Refer to special instruction/safety data Sheets.  
EINECS (EC): Polymer exempt  
EC Annex I number: 603-074-00-8  
MITI (Japan): All Components listed  
TSCA (USA): All Components listed  
AICA (Australia): All Components listed  
DSL (Canada): All Components listed  
National Legislation:

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## 16. OTHER INFORMATION

Uses and restrictions: Compositions for the building and civil engineer industries e.g. floor compounds, adhesives, mortars and grouts, solvent free and high- solids coatings. Lamination binders.  
Technical Contact Point:  
Technical Contact Number:  
SDS history:  
Core SDS history: Edition No.: 03  
First Issue: 01-July -93.  
Revised: 01-January -95.

Revisions Highlighted: Conforms to council directive 93/21/EEC Changes to EC supply classification and labelling requirements.  
Changes to transport classification and labelling requirements.  
Changes to section(s) 2,3,6,8,10,11,12

SDS distribution: The information in this document should be made available to all who may handle the product.

Other information: Epoxy Paint (Solvent Free)

This information only concerns the above-mentioned product and does not need to be valid if used with other product(s) or in any process. The information is to our best knowledge correct and complete and is given in good faith but without warranty. It remains the user's own responsibility to make sure that the information is appropriate and complete for his special use of this product.

This MSDS cancels and replaces any preceding release.

Editor: **MAS Paints & Chemicals Industry.**