

SAFETY DATA SHEET

ADOFLOOR EPOXY

ADOMAST

Building Chemicals Limited

1.00 IDENTIFICATION OF SUBSTANCE

ADOFLOOR EPOXY: Twin pack, water dispersible, epoxy resin based primer for ADOFLOOR toppings.

1.10 IDENTIFICATION OF MANUFACTURER

Adomast Building Chemicals Ltd.
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2.00 COMPOSITION/INFORMATION ON INGREDIENTS

Base: A Bisphenol A - epichlorohydrin epoxy resin diluted with cresyl glycidyl ether.
Hardener: Poly-amino amide of a hydrophilic nature, in an aqueous solution.

When the two components are mixed together, they readily form an emulsion, with water being the continuous phase and the epoxy resin/polyamide blend the discontinuous phase.

Resin Component:

Chemical Name:	Composition (%w/w)	EEC No:	CAS No:
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Bisphenol-A	< 10		25085-99-0
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Epichlorohydrin Epoxy Resin			
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Risk Phrases: R43, R51, R53, R36/38 **Hazard Symbols:** Xi, N

Chemical Name:	Composition (%w/w)	EEC No:	CAS No:
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Cresyl glycidyl ether	< 4		26447-14-3
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Risk Phrases: R38 **Hazard Symbols:** Xi

Hardener Component:

Chemical Name:	Composition (%w/w)	EEC No:	CAS No:
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Tetra ethylene pentamine	< 1	612-060-00-0	112-57-2
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Risk Phrases: R21/22, R34, R43 **Hazard Symbols:** (C) Corrosive

Chemicals Name:	Composition (%w/w)	EEC No:	CAS No:
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Phenol Homologue	> 0.6		90481-04-2
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Risk Phrases: R22, R36/37/38 **Hazard Symbols:** (Zn) Harmful

Chemicals Name:	Composition (%w/w)	EEC No:	CAS No:
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Polyamine	> 0.25		140-31-8
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Risk Phrases: R21, R34, R43, R52, R53 **Hazard Symbols:** (C) Corrosive

3.00 HAZARDS IDENTIFICATION

Irritant to eyes and skin, may cause sensitisation by skin contact. Dangerous for the environment.

4.00 FIRST AID MEASURES

Eyes: In case of contact irrigate with clean water for at least 10 minutes. Obtain medical attention. **Skin:** Immediately remove contaminated clothing, wash thoroughly with soap and water. Apply an emollient or conditioning cream. If irritation persists or develops, seek medical attention. **Inhalation:** Remove from exposure to vapours, rest and keep warm, obtain medical advice. **Ingestion:** Wash out mouth thoroughly and give water to drink in sips. Obtain medical advice. Do not induce vomiting.

5.00 FIRE FIGHTING MEASURES

Special Exposure Hazards: Keep containers cool by spraying with water. Oxides of nitrogen emitted on combustion **Suitable Extinguishing Agents:** Alcohol Resistant Foam, Carbon Dioxide, Dry Powder (BC Powder), Water Spray (Fog) **Special Protective Equipment for Fire Fighters:** Self contained breathing apparatus. **Unsuitable Extinguishing Agent:** Halones

6.00 ACCIDENTAL RELEASE MEASURES

Personal Precautions: Avoid skin contact, wear suitable protective clothing including impervious gloves with raw materials. Hardened material does not present a hazard. **Environmental Precautions:** Transfer to container for disposal and ensure all possible precautions are taken to prevent material entering drainage system, waterways. Hardened material does not present a hazard. **Methods for Clearing Up:** Scoop up. Absorb any residue on inert material (sand, earth) and sweep up. Place in container for disposal. Reacted material will harden.

7.00 HANDLING AND STORAGE

Handling: The usual precautions for safe handling of chemicals should be observed. Avoid contact with skin and eyes (S24/25) In case of insufficient ventilation wear suitable respiratory equipment (S38) In case of contact with eyes, rinse immediately with plenty of water and seek medical advice (S26) This material and/or its container must be disposed of as hazardous waste (S60) Once the

material has been mixed and hardened in the correct proportion it does not present a health hazard. **Storage:** Store at room temperature away from direct sources of heat. Keep containers closed. Reseal component bags after use to prevent hardening of resin and use within one week if not stored separately.

8.00 EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures/ System design: Local exhaust ventilation in areas of poor ventilation. **Hand Protection:** PVC gloves **Eye Protection:** Wear close fitting safety goggles to BS 2092 where there is a risk of direct contact or splash. Provide an eye wash station. **Skin Protection:** Impervious clothing, rubber boots. **Hygienic Measures:** Apply skin protection cream before handling.

9.00 PHYSICAL AND CHEMICAL PROPERTIES

Resin Component:

Appearance: Medium Viscosity Liquid **Odour:** Sweet aromatic **pH:** No data **Vapour Pressure (mm Hg):** No data **Solubility (Water):** Immiscible

Freezing Point (°C): No data **Relative Density:** 1.14 **Colour:** Pale yellow

Hardener Component:

Appearance: Liquid **Odour:** Ammoniacal **Boiling Point (°C):** 100 **Flash Point (°C):** N/A **Solubility (Water):** Immiscible **Freezing Point (°C):** No data **Relative Density:** 1.02 **Colour:** Amber **pH:** 11

10.00 STABILITY AND REACTIVITY

Resin Component:

Stability: Normally stable **Conditions to Avoid:** Do not leave containers open when not in use. **Material to Avoid:** Reacts with amines and polyamides causing an exotherm (this is the hardener component) **Hazardous Decomposition Products:** Noxious and toxic fumes

Hardener Component:

Stability: Normally stable. **Conditions to Avoid:** Do not leave containers open when not in use. **Material to Avoid:** Acids, Epoxy Resins (exothermic) **Hazardous Decomposition Products:** Phenol Homologues, formaldehyde, nitrogen oxides

11.00 TOXICOLOGICAL INFORMATION

Inhalation: Harmful to respiratory tract. **Skin Contact:** May cause sensitisation by skin contact. **Ingestion:** Irritation **Eye Contact:** Harmful causes irritation, pain redness **Long Term Exposure:** No data available.

12.00 ECOLOGICAL INFORMATION

The product is essentially insoluble in water, and may cause long term adverse effects in the aquatic environment as the unhardened/ unreacted components.

13.00 DISPOSAL CONSIDERATIONS

Dispose of unreacted/unhardened components in accordance with Local and National Regulations, consult a qualified waste disposal contractor. Wear protective clothing during disposal operations.

14.00 TRANSPORT INFORMATION

UN No: 2810 **UN Packing Group:** III
Hazard Class: 6.1 **ADR/RID:** 66 or 60 **TREM Card:** 3

15.00 REGULATORY INFORMATION

Classification: Irritant, Dangerous for the environment.

Risk Phrases:

R21/R22 Harmful in contact with the skin and if swallowed

R34 Causes burns **R43** May cause sensitisation by skin contact

R51/53 Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment

R35/38 Irritating to eyes and skin

Safety Phrases:

S36/37/39 Wear suitable protective gloves and eye/face protection

16.00 OTHER INFORMATION

It is the responsibility of the user to carry out a full assessment of the risks associated with the use of the above product in accordance with the current C.O.S.H.H. regulations. For trade use only, not for sales to the general public.

ABCD 592: ISSUE: 1
ISSUED: MAR 2001