

SAFETY DATA SHEET

EPOBOND

1.00 IDENTIFICATION OF SUBSTANCE

EPOBOND: Twin pack water dispersible, epoxy resin based bonder. Supplied as pre weighed resin base and hardener, for site mixing.

1.10 IDENTIFICATION OF MANUFACTURER

Adomast Building Chemicals Ltd.

Unit G, Lea Road Trading Estate, Waltham Abbey, Essex EN9 1AE

Telephone: 01992 710 684 Fax: 01992 712 813

2.00 COMPOSITION/INFORMATION ON INGREDIENTS

Base: A Diglycidylether of Bisphenol and reactive diluent CGE. **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.

2.20 COMPONENTS WITH HEALTH HAZARDS/LIMIT VALUE

Resin Component:

Chemical Name: Composition (%w/w) **EEC No:** **CAS No:**

Diglycidylether of Bisphenol A < 50 68240-06-2

Risk Phrases: R36/38, R43 **Hazard Symbols:** Irritant

Hardener Component:

Chemical Name: Composition (%w/w) **EEC No:** **CAS No:**

Polyamino-amide > 0.25

Risk Phrases: R38, R41, R43 **Hazard Symbols:** (C) Corrosive

3.00 HAZARDS IDENTIFICATION

Irritating to skin (R38). Risk of serious damage to eyes (R41). May cause sensitisation by skin contact (R43).

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: Clear Liquid **Odour:** Very slight

Boiling Point (°C): No data **Flash Point:** No Data

Vapour Pressure (mm Hg): No data **Solubility (Water):** Slight

Freezing Point (°C): No data **Relative Density:** 1.13 - 1.14

Colour: Gardner 3 Max **pH:** 7.00

Hardener Component:

Appearance: Liquid **Odour:** Ammoniacal

Boiling Point (°C): No Data **Flash Point (°C):** N/A

Flash Point Method: No data **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. **Materials to Avoid:** Strong oxidizing agents, acids and bases. **Hazardous Decomposition Products:** Carbon Monoxide and/or Carbon Dioxide

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 and 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

Not regulated

UN No: **UN Packing Group:** **Hazard Class:** **ADR/RID:**

15.00 REGULATORY INFORMATION

Classification: Irritant. (Xi)

Risk Phrases: Harmful in contact with the skin and if swallowed (R21/R22)

Causes burns (R34). May cause sensitisation by skin contact (R43)

Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment (R51/53). Irritating to eyes and skin (R35/38)

Safety Phrases: Wear suitable protective gloves and eye/face protection (S36/37/39)

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.

ISSUED: NOV 2003