

ANGLO BUILDING PRODUCTS LTD

BRANKSOME HOUSE, FILMER GROVE, GODALMING, SURREY GU7 3AB

TEL: 01483 427 777

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MATERIAL SAFETY DATA SHEET

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REVISION (): 09/05/06

1 PRODUCT NAME: **Epoxy Crack Filler - Resin**

2 CHEMICAL COMPOSITION:

	CAS No.	Wt%	Symbol	R Phrases
Bisphenol A/F Epoxy Resin	40216-08-8	>50%	Xi	36/38, 43, 51/53
Hexane Diol Diglycidyl Ether	16096-31-4	<10%	Xi	36/38, 43, 52/53
C13/C15 Alkyl Glycidyl Ether	68081-84-5	<10%	Xi	36/38, 43, 51/53
Di Iso Butyl Phthalate	84-74-2	<20%	-	

3 HAZARDS IDENTIFICATION: Irritant to eyes and skin. May cause sensitisation. Toxic to aquatic organisms.

4 FIRST AID MEASURES:

- 4.1 General Advice: Remove contaminated clothing.
- 4.2 Inhalation: Remove to fresh air.
- 4.3 Eye Contact: Rinse with water for fifteen minutes and seek medical attention.
- 4.4 Skin Contact: Wash with soap and water.
- 4.5 Ingestion: Rinse out mouth with water. Do not induce vomiting. Give milk to drink and seek immediate medical attention.

5 FIRE PRECAUTIONS:

- 5.1 Extinguishing Media: Carbon dioxide, foam, dry chemical, water spray.
- 5.2 Extinguishing Media NOT to be used: -
- 5.3 Product Combustion Hazards: Oxides of carbon.
- 5.4 Special Protective Equipment for Firefighters:-

6 SPILLAGE:

- 6.1 Personal Precautions: Avoid contact with skin, eyes and clothing.
- 6.2 Environmental Precautions: Avoid soil contamination. Do not release large quantities into drains or open water courses.
- 6.3 Removal of Spillage: Absorb in earth or sand.
- 6.4 Further Advice: -

7 HANDLING & STORAGE:

- 7.1 Safe Handling: Do not eat, drink or smoke. Ensure good ventilation.
- 7.2 Safe Storage: Store in dry conditions. Unopened. Avoid extremes of temperature.

8 PERSONAL PROTECTION:

- 8.1 Respiratory Protection: Vapour mask in enclosed areas.
- 8.2 Hand Protection: Suitable gloves. Seek advice from glove suppliers to follow their instructions.
- 8.3 Eye Protection: Safety goggles.
- 8.4 Skin Protection: Overalls. Industrial footwear.

9 PHYSICAL & CHEMICAL PROPERTIES:

- 9.1 Appearance: Brown liquid
- 9.2 Odour: Mild
- 9.3 Colour: Brown
- 9.4 Boiling Point/Range: >200 C
- Flash Point: >100 C
- Auto Ignition Temp: -
- Oxidising Properties: -
- Relative Density: >1.1 g / c.c.
- Melting Point/Range: -
- Flammability(solid, gas): -
- Explosive Limits: -
- Vapour Pressure: <1 m bar
- Water Solubility: Insoluble
- Other Data: -
- Solvent Content: 0%

10 STABILITY & REACTIVITY:

- 10.1 Conditions to avoid: -
- 10.2 Materials to avoid: Strong acids, bases and oxidising agents.
- 10.3 Hazardous Decomposition Products: Oxides of carbon and other toxic gases.

11 TOXICOLOGICAL INFORMATION:

- 11.1 Toxicity: LD50 Oral: 4700 mg / kg
- LD50 Skin: -
- Skin Irritation: Can cause irritation
- Sensitisation: May cause sensitisation
- Inhalation: -
- Recommended Exposure Limit: -

12 ECOLOGICAL INFORMATION:

Prevent soil, drain or surface water contamination. This product has been assessed following the conventional method in CHIP and is classified for ecological hazards accordingly. See sections 3 & 15 for details.

13 SAFE DISPOSAL:

13.1 Product: Incineration or landfill with respect to local Byelaws.

13.2 Container: Incineration or landfill with respect to local Byelaws.

14 TRANSPORT INFORMATION:

ADR UN3082 Environmentally hazardous substance Class 9 P/G III
(Bisphenol A/F epoxy resin)

IMDG UN3082 Environmentally hazardous substance Class 9 P/G III
(Bisphenol A/F epoxy resin)

Marine Pollutant.

15 REGULATORY INFORMATION:

IRRITANT Xi
DANGEROUS FOR THE ENVIRONMENT N

R phrases

36/38: Irritating to eyes and skin.

43: May cause sensitisation by skin contact.

51/53: Toxic to aquatic organisms. May cause long term adverse effects in the aquatic environment.

S phrases

2: Keep out of the reach of children.

25: Avoid contact with eyes.

28: After contact with skin, wash immediately with plenty of soap and water.

37/39: Wear suitable gloves and eye / face protection.

61: Avoid release to the environment. Refer to safety data sheets.

Other Data: Contains epoxy constituents. See information supplied by the manufacturer.

16 OTHER INFORMATION: -

See also:- Epoxy Crack Filler Curing Agent.

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1 PRODUCT NAME: Epoxy Crack Filler - Curing Agent

2 CHEMICAL COMPOSITION:

∞ Formulated cycloaliphatic amine with inert fillers

	CAS No.	Wt%	Symbol	R Phrases
n-Aminoethyl Piperazine	140-31-8	>30%	C	21/22, 34, 43
Nonylphenol	25154-52-3	30-50%	C	22, 34

3 HAZARDS IDENTIFICATION: Harmful in contact with skin and if swallowed. Causes burns. May cause sensitisation by skin contact.

4 FIRST AID MEASURES:

- 4.1 General Advice: -
- 4.2 Inhalation: Remove patient to fresh air. Prevent aspiration of vomit. Seek medical advice.
- 4.3 Eye Contact: Flush with plenty of water for at least fifteen minutes. Seek medical advice.
- 4.4 Skin Contact: Remove product and flush with water for at least fifteen minutes. Seek medical attention for all but the most minor of burns.
- 4.5 Ingestion: Do not induce vomiting. Give 3-4 glasses of milk to drink. Seek immediate medical attention.

5 FIRE PRECAUTIONS:

- 5.1 Extinguishing Media: Water spray, carbon dioxide, foam, dry powder.
- 5.2 Extinguishing Media NOT to be used: Water jet.
- 5.3 Product Combustion Hazards: Carbon monoxide and / or nitrous oxides.
- 5.4 Special Protective Equipment for Firefighters: Butyl rubber boots, gloves and body suit. Self contained breathing apparatus.

6 SPILLAGE:

- 6.1 Personal Precautions: All personnel to remain upwind of the spill.
- 6.2 Environmental Precautions: Prevent entry into streams, drinking water supplies.
- 6.3 Removal of Spillage: Cover minor spills with sodium bisulphate to neutralise and reduce vapours. Spray with water. Place in metal container for disposal.
- 6.4 Further Advice: -

7 HANDLING & STORAGE:

- 7.1 Safe Handling: Handle in well ventilated work space.
- 7.2 Safe Storage: Keep away from oxidisers, heat and flames. Keep container tightly closed when not in use.

8 PERSONAL PROTECTION:

- 8.1 Respiratory Protection: Organic vapour proof cartridge mask if handling a large spillage in a confined space.
- 8.2 Hand Protection: Nitrile rubber gloves.
- 8.3 Eye Protection: Visor or safety goggles.
- 8.4 Skin Protection: Overalls to be washed before re-use.

9 PHYSICAL & CHEMICAL PROPERTIES:

- 9.1 Appearance: Thick liquid
- 9.2 Odour: Ammoniacal, fishy
- 9.3 Colour: Buff / beige
- 9.4 Boiling Point/Range: -
- Flash Point: over 100 C
- Auto Ignition Temp: No data
- Oxidising Properties: Not oxidising
- Relative Density: Approx. 1.25
- Melting Point/Range: -
- Flammability(solid, gas): -
- Explosive Limits: -
- Vapour Pressure: Very low
- Water Solubility: <1%
- Other Data: -
- Solvent Content: <0.1%

10 STABILITY & REACTIVITY:

- 10.1 Conditions to avoid: Excessive heat.
- 10.2 Materials to avoid: Oxidising agents, acids. Product will corrode copper, aluminium, zinc and galvanised surfaces.
- 10.3 Hazardous Decomposition Products: N-nitrosamines (carcogenic) if in contact with nitrous acid, nitrates or nitrous oxide in the atmosphere.

11 TOXICOLOGICAL INFORMATION:

- 11.1 Toxicity: LD50 Oral: }
LD50 Skin: }
Skin Irritation: } No data
Sensitisation: } available
Inhalation: }
Recommended Exposure Limit: }

12 ECOLOGICAL INFORMATION:

Contamination of land may present long term environmental hazards.

PRODUCT: EPOXY CRACK FILLER - CURING AGENT

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13 **SAFE DISPOSAL:**

13.1 Product: Special waste. Dispose of according to local and national regulations.

13.2 Container: Treat as the product itself.

14 **TRANSPORT INFORMATION:**

Hazard Class:	8	UN No:	1760
Packing Group:	III	Flash Point:	over 100 C
ADR Class:	8	Item:	55 (c)
Technical Name:	Corrosive liquid n.o.s. (N-amino ethyl piperazine / nonyl phenol mixture)		

15 **REGULATORY INFORMATION:** CORROSIVE C

R phrases

21/22: Harmful in contact with skin and if swallowed.

34: Causes burns.

43: May cause sensitisation by skin contact.

S phrases

26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

36/37/39: Wear suitable protective clothing, gloves and eye / face protection.

Other Data: Marine Pollutant.

16 **OTHER INFORMATION:** -