

ANGLO BUILDING PRODUCTS LTD

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

TEL: 01483 427 777 FAX: 01483 428 888

MATERIAL SAFETY DATA SHEET

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REVISION (1): 20/02/96

1 PRODUCT NAME: Verti Patch - Curing Agent

2 CHEMICAL COMPOSITION:

∞ Curing Agent - Polyamino - amide

	CAS No.	Wt%	Symbol	R Phrases
Polyamino-Amine Preparation		>50%	Xi, N	36/37/38, 43, 50, 53
Cycloaliphatic Amine	140-31-8 25154-52-3	<50%	C	21/22, 34, 43

3 HAZARDS IDENTIFICATION: Corrosive to skin and eyes.

4 FIRST AID MEASURES:

- 4.1 General Advice: Remove contaminated clothing.
- 4.2 Inhalation: Remove to fresh air. In case of breathing difficulties seek medical attention.
- 4.3 Eye Contact: Rinse with water for fifteen minutes and seek medical attention.
- 4.4 Skin Contact: Wash off immediately. Seek medical advice.
- 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, dry chemical, water spray.
- 5.2 Extinguishing Media NOT to be used: -
- 5.3 Product Combustion Hazards: Toxic / noxious vapours.
- 5.4 Special Protective Equipment for Firefighters: Butyl rubber boots, gloves and body suit. Self contained breathing apparatus.

6 SPILLAGE:

- 6.1 Personal Precautions: Avoid contact with skin, eyes and clothing.
- 6.2 Environmental Precautions: Prevent entry into streams / drinking water supplies.
- 6.3 Removal of Spillage: Absorb in earth or sand and place in metal containers for disposal.
- 6.4 Further Advice: Dispose of with respect to local regulations.

PRODUCT: VERTI PATCH - CURING AGENT

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7 HANDLING & STORAGE:

- 7.1 Safe Handling: Ensure good ventilation. Wear suitable protective clothing. When using do not eat, drink or smoke.
- 7.2 Safe Storage: Store in a dry, well ventilated area. Avoid extremes of temperature. Keep out of reach of children.

8 PERSONAL PROTECTION:

- 8.1 Respiratory Protection: Organic vapour mask in poor ventilation areas.
- 8.2 Hand Protection: Nitrile rubber gloves.
- 8.3 Eye Protection: Safety glasses.
- 8.4 Skin Protection: Overalls, industrial footwear.

9 PHYSICAL & CHEMICAL PROPERTIES:

- 9.1 Appearance: Coloured liquid
- 9.2 Odour: Ammoniacal
- 9.3 Colour: -
- 9.4 Boiling Point/Range: >100 C
- Flash Point: >100 C
- Auto Ignition Temp: -
- Oxidising Properties: -
- Relative Density: >1.0 g / cubic centimetre
- 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 and oxidising agents.
- 10.3 Hazardous Decomposition Products: CO, carbon dioxide, ammonia and oxides of nitrogen.

11 TOXICOLOGICAL INFORMATION:

- 11.1 Toxicity: LD50 Oral: 1.06 ml / kg
- LD50 Skin: -
- Skin Irritation: Yes
- Sensitisation: Possible
- Inhalation: Not established
- Recommended Exposure Limit: Not established

12 ECOLOGICAL INFORMATION: May present long term environmental hazard

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13 SAFE DISPOSAL:

13.1 Product: Dispose of with respect to local Byelaws.

13.2 Container: Dispose of with respect to local Byelaws.

14 **TRANSPORT INFORMATION:**

Hazard Class:	8	UN No:	1760
Packing Group:	III	Flash Point:	-
ADR Class:		Item:	55 (c)
Technical Name:	Corrosive liquid n.o.s.		

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.

50: Very toxic to aquatic organisms.

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:

16 **OTHER INFORMATION:** -

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1 PRODUCT NAME: Verti Patch - Resin

2 CHEMICAL COMPOSITION:

∞ Resin - epoxy resin based compound

	CAS No.	Wt%	Symbol	R Phrases
Silica Sand	14808-60-7	90%	-	-
Epoxy Resin	40216-08-8	<10%	Xi	36/38, 43

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

4 FIRST AID MEASURES:

- 4.1 General Advice: Remove contaminated clothing.
- 4.2 Inhalation: Remove to fresh air.
- 4.3 Eye Contact: Rinse with copious amounts of water and seek medical attention.
- 4.4 Skin Contact: Wash immediately with plenty of 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: -
- 5.4 Special Protective Equipment for Firefighters:-

6 SPILLAGE:

- 6.1 Personal Precautions: Remove all sources of ignition. Ensure good ventilation. Wear suitable protective clothing and eye protection.
- 6.2 Environmental Precautions: Prevent soil, drains or surface water contamination.
- 6.3 Removal of Spillage: Absorb in earth or sand.
- 6.4 Further Advice: -

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7 HANDLING & STORAGE:

- 7.1 Safe Handling: Avoid sources of ignition. Wear suitable protective clothing. When using do not eat, drink or smoke.
- 7.2 Safe Storage: Store in a dry, well ventilated area. Avoid extremes of temperature. Avoid sources of ignition. Keep out of reach of children.

8 PERSONAL PROTECTION:

- 8.1 Respiratory Protection: Wear suitable vapour mask if prolonged exposure to vapour likely.
- 8.2 Hand Protection: Solvent resistant gloves.
- 8.3 Eye Protection: Safety glasses.
- 8.4 Skin Protection: Long sleeved clothing.

9 PHYSICAL & CHEMICAL PROPERTIES:

- 9.1 Appearance: Granular solid
- 9.2 Odour: Faint
- 9.3 Colour: Sand
- 9.4 Boiling Point/Range: -
- Flash Point: >200 C
- Auto Ignition Temp: -
- Oxidising Properties: -
- Relative Density: >2.0 g / c.c.
- Melting Point/Range: -
- Flammability(solid, gas): -
- Explosive Limits: -
- Vapour Pressure: <0.001 Pa @ 20 C
- 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: CO, carbon dioxide.

11 TOXICOLOGICAL INFORMATION:

- 11.1 Toxicity: LD50 Oral: >5000 mg / kg
- LD50 Skin: -
- Skin Irritation: -
- Sensitisation: -
- Inhalation: -
- Recommended Exposure Limit: -

12 ECOLOGICAL INFORMATION: Not available

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13 SAFE DISPOSAL:

13.1 Product: Absorb in earth or sand and dispose of as chemical waste.

13.2 Container: Dispose of as chemical waste.

14 **TRANSPORT INFORMATION:** Not classified as hazardous for transport

Hazard Class:	UN No:
Packing Group:	Flash Point:
ADR Class:	Item:
Technical Name:	

15 **REGULATORY INFORMATION:** IRRITANT Xi

R phrases

36/38: Irritating to eyes and skin.

43: May cause sensitisation by skin contact.

S phrases

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

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

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

16 **OTHER INFORMATION:** -