

Material Safety Data Sheet



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Hazardous Substance, Dangerous Goods

1. MATERIAL AND SUPPLY COMPANY IDENTIFICATION

Product name: **Patchfix Epoxy Binder - Part B**

Synonyms:

Patchfix Epoxy Binder - Part B, 2 Litres
Patchfix Epoxy Binder - Part B, 4 Litres
Patchfix Epoxy Binder - Part B, 20 Litres

Mancode

272159b
272167b
272175b

Recommended use: Curing agent for 2 part epoxy binder system.

Supplier:	Bostik Australia Pty Ltd	Bostik New Zealand Limited
ABN:	79 003 893 838	
Street Address:	51-71 High Street Thomastown VIC 3074 Australia	19 Eastern Hutt Road Wingate Lower Hutt New Zealand
Telephone:	+613 9279-9333	+644 567-5119
Facsimile:	+613 9279-9342	+644 567-5412
Website:	www.bostik.com.au	www.bostik.co.nz

Emergency telephone number: Australia – 1800 033 111 New Zealand – 0800 243 622

2. HAZARDS IDENTIFICATION

AUSTRALIA CLASSIFICATION

This material is hazardous according to health criteria of Safe Work Australia.

Hazard Category:

Xn Harmful
C Corrosive

Risk Phrase(s):

R20/21/22: Harmful by inhalation, in contact with skin and if swallowed.
R34: Causes burns.
R41: Risk of serious damage to eyes.
R43: May cause sensitisation by skin contact.
R51: Toxic to aquatic organisms.
R53: May cause long term adverse effects in the aquatic environment.

Safety Phrase(s):

S23: Do not breathe vapour.
S24/25: Avoid contact with skin and eyes.
S36/37/39: Wear suitable protective clothing, gloves and eye/face protection.
S38: In case of insufficient ventilation, wear suitable respiratory equipment.
S62: If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.

Poisons Schedule (Aust): S5

This material is a Scheduled Poison S5 and must be stored, maintained and used in accordance with the relevant regulations.

Product name: Patchfix Epoxy Binder - Part B

Substance Key: BOS0037001

Issued: 2 December 2008

Version: 2.1

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NEW ZEALAND CLASSIFICATION

This material is hazardous according to health criteria of ERMA New Zealand

ERMA Group Standard:

Construction Products (Corrosive [8.2C]) Group Standard 2006; HSR002542

HSNO Hazard Classification

- 6.1D Substances that are acutely toxic.
- 6.5B Substances that are contact sensitisers
- 8.2C Substances that are corrosive to dermal tissue
- 8.3A Substances that are corrosive to ocular tissue
- 9.1B Substances that are ecotoxic in the aquatic environment

Hazard Statement:

- H302 Harmful if swallowed.
- H312 Harmful In contact with skin.
- H314 Causes severe skin burns and eye damage.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H332 Harmful If Inhaled.
- H411 Toxic to aquatic life with long lasting effects.

Prevention Statement:

- P102 Keep out of reach of children.
- P103 Read label before use.
- P260 Do not breathe vapour.
- P261 Avoid breathing vapour.
- P264 Wash hands, face and all exposed skin thoroughly after handling.
- P270 Do not eat, drink or smoke when using this product.
- P271 Use only outdoors or in a well-ventilated area.
- P272 Contaminated work clothing should not be allowed out of the workplace.
- P273 Avoid release to the environment.
- P280 Wear protective clothing, gloves, eye/face protection and suitable respirator (delete not applicable)

DANGEROUS GOODS CLASSIFICATION

Classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and the "New Zealand NZS5433: Transport of Dangerous Goods on Land".

Class: 8 Corrosive

Classified as a C1 (COMBUSTIBLE LIQUID) for the purpose of storage and handling, in accordance with the requirements of AS 1940. Refer to State Regulations for storage and transport requirements.

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3. COMPOSITION INFORMATION

CHEMICAL ENTITY	CAS NO.	PROPORTION
Isophoronediamine	2855-13-2	30-60%
Benzyl alcohol	100-51-6	30-60%
Tris(2,4,6-dimethylaminomethyl)phenol	90-72-2	<10%
Non-hazardous ingredients	-	Balance
		<hr/> 100%

4. FIRST AID MEASURES

If poisoning occurs, contact a doctor or Poisons Information Centre (Phone Australia 131 126, New Zealand 0800 764 766).

Inhalation: Remove victim from exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. If breathing laboured and patient cyanotic (blue), ensure airways are clear and have a qualified person give oxygen through a facemask. If breathing has stopped apply artificial respiration at once. In the event of cardiac arrest, apply external cardiac massage. Seek immediate medical advice.

Skin contact: For gross contamination, immediately drench with water and remove clothing. Continue to flush skin and hair with plenty of water (and soap if material is insoluble). For skin burns, cover with a clean, dry dressing until medical help is available. If blistering occurs, do NOT break blisters. If swelling, redness, blistering, or irritation occurs seek medical assistance.

Eye contact: Immediately irrigate with copious quantities of water for 15 minutes. Eyelids to be held open. Remove clothing if contaminated and wash skin. Urgently seek medical assistance. Transport to hospital or medical centre.

Ingestion: Immediately rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water to drink. Never give anything by the mouth to an unconscious patient. If vomiting occurs give further water. Get to a doctor or hospital quickly.

Notes to physician: Treat symptomatically. Effects may be delayed. Can cause corneal burns.

5. FIRE-FIGHTING MEASURES

Specific hazards: Combustible liquid.

Fire fighting further advice: On burning may emit toxic fumes. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion.

Hazchem Code: 2X

Suitable extinguishing media: If material is involved in a fire use foam, dry agent (carbon dioxide, dry chemical powder).

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6. ACCIDENTAL RELEASE MEASURES

SMALL SPILLS

Wear protective equipment to prevent skin and eye contamination. Avoid inhalation of vapours. Wipe up with absorbent (clean rag or paper towels). Collect and seal in properly labelled containers or drums for disposal.

LARGE SPILLS

Clear area of all unprotected personnel. Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contamination and the inhalation of vapours. Work up wind or increase ventilation. Contain - prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Collect and seal in properly labelled containers or drums for disposal. If contamination of crops or waterways has occurred advise emergency services or State Department of Agriculture. If contamination of sewers or waterways has occurred advise local emergency services.

Dangerous Goods – Initial Emergency Response Guide No: 36.

7. HANDLING AND STORAGE

Handling: Avoid skin and eye contact and inhalation of vapour, mist or aerosols.

Storage: Store in a cool, dry, well-ventilated place and out of direct sunlight. Store away from incompatible materials described in Section 10. Store away from sources of heat or ignition. Keep containers closed when not in use - check regularly for leaks.

Classified as a C1 (COMBUSTIBLE LIQUID) for the purpose of storage and handling, in accordance with the requirements of AS 1940. Refer to State Regulations for storage and transport requirements.

This material is classified as a Dangerous Good Class 8 Corrosive as per the criteria of the Australian Dangerous Goods Code and must be stored in accordance with the relevant regulations.

This material is a Scheduled Poison S5 and must be stored, maintained and used in accordance with the relevant regulations.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

National occupational exposure limits:

No value assigned for this specific material by Safe Work Australia or Department of Labour New Zealand.

Biological Limit Values: As per the "National Model Regulations for the Control of Workplace Hazardous Substances (Safe Work Australia)" the ingredients in this material do not have a Biological Limit Allocated.

Engineering measures: Natural ventilation should be adequate under normal use conditions.

Personal protection equipment: OVERALLS, SAFETY SHOES, CHEMICAL GOGGLES, GLOVES.

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Wear overalls, chemical goggles and impervious gloves. Available information suggests that gloves made from butyl rubber or neoprene should be suitable for intermittent contact. However, due to variations in glove construction and local conditions, the user should make a final assessment. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using. If risk of inhalation of exists, wear organic vapour/particulate respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form / Colour / Odour: Clear pale yellow liquid with slight amine-odour.

Solubility:	Negligible in water.
Specific Gravity (20 °C):	0.97-0.99
Relative Vapour Density (air=1):	N Av
Vapour Pressure (20 °C):	N Av
Flash Point (°C):	>100
Flammability Limits (%):	N App
Autoignition Temperature (°C):	N Av
Melting Point/Range (°C):	N Av
Boiling Point/Range (°C):	N Av
pH:	Approx 13
Viscosity:	Approx 700 cps

(Typical values only - consult specification sheet)

N Av = Not available

N App = Not applicable

10. STABILITY AND REACTIVITY

Chemical stability: This material is thermally stable when stored and used as directed.

Conditions to avoid: Elevated temperatures and sources of ignition.

Incompatible Materials: Oxidising agents.

Hazardous decomposition products: Oxides of carbon and nitrogen, smoke and other toxic fumes.

Hazardous reactions: Hazardous reactions will not occur.

11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Acute Effects

Inhalation: Harmful if inhaled. Material may be irritant to mucous membranes and respiratory tract.

Skin contact: Harmful by skin contact. Contact with skin will result in severe irritation. Corrosive to skin - may cause skin burns. A skin sensitiser. Repeated or prolonged skin contact may lead to allergic contact dermatitis.

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Eye contact: A severe eye irritant. Corrosive to eyes: contact can cause corneal burns. Contamination of eyes can result in permanent injury.

Ingestion: Harmful if swallowed. Swallowing can result in nausea, vomiting, diarrhoea, abdominal pain and chemical burns to the gastrointestinal tract.

Long Term Effects: No information available for product.

Acute toxicity / Chronic toxicity
No LD50 data available for the product.

12. ECOLOGICAL INFORMATION

Avoid contaminating waterways.

Ecotoxicity: No information available.

Persistence and degradability: No information available.

Mobility: No information available.

13. DISPOSAL CONSIDERATIONS

Refer to State/Territory Land Waste Management Authority.

14. TRANSPORT INFORMATION

ROAD AND RAIL TRANSPORT

Classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and the "New Zealand NZS5433: Transport of Dangerous Goods on Land".

UN No: 2735
Dangerous Goods Class: 8
Packing Group: III
Hazchem Code: 2X
Emergency Response Guide No: 36

Proper Shipping Name: AMINES, LIQUID, CORROSIVE, N.O.S. (contains ISOPHORONE DIAMINE and BENZYL ALCOHOL)

Segregation Dangerous Goods: Not to be loaded with explosives (Class 1), dangerous when wet substances (Class 4.3), oxidising agents (Class 5.1), organic peroxides (Class 5.2), radioactive substances (Class 7) or food and food packaging in any quantity, however exemptions may apply. Note that concentrated strong alkalis are incompatible with concentrated strong acids.

MARINE TRANSPORT

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

This material is classified as a Marine Pollutant (P) according to the International Maritime Dangerous Goods Code.

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UN No: 2735
Dangerous Goods Class: 8
Packing Group: III

Proper Shipping Name: AMINES, LIQUID, CORROSIVE, N.O.S. (contains ISOPHORONE DIAMINE and BENZYL ALCOHOL)

AIR TRANSPORT

Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

UN No: 2735
Dangerous Goods Class: 8
Packing Group: III

Proper Shipping Name: AMINES, LIQUID, CORROSIVE, N.O.S. (contains ISOPHORONE DIAMINE and BENZYL ALCOHOL)

15. REGULATORY INFORMATION

Poisons Schedule (Aust): S5

All the constituents of this material are listed on the Australian Inventory of Chemical Substances (AICS).

16. OTHER INFORMATION

Literary reference

This Material Safety Data Sheet has been prepared by Chemical Data Services Pty Ltd on behalf of its client.

Reason(s) For Issue: Addition of NZ Classification

Material Safety Data Sheets are updated frequently. Please ensure that you have a current copy.

This MSDS summarises at the date of issue our best knowledge of the health and safety hazard information of the product, and in particular how to safely handle and use the product in the workplace. Since Bostik Australia Pty Ltd cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this MSDS in the context of how the user intends to handle and use the product in the workplace.

If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this company.

Our responsibility for product as sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available upon request.