

SAFETY DATA SHEET

Epoxy Bind - Part B



SECTION 1: Identification Of The Substance And Supplier

Product Name:	Epoxy Bind
Other Name:	Epoxy Resin
Recommended Use:	Product is designed for use in the manufacture of polymer modified asphalt. The addition of these products significantly increase the performance of Asphalt Mixes.
Company Details:	Road Science
Address:	9 Owens Place, Mt Maunganui
Telephone Number:	07 575 1150
Emergency Telephone Number:	07 575 1150 24hr / 7 days or National Poisons Centre 0800 POISON (0800 764 766)

SECTION 2: Hazards Identification

Hazard Classification:	DG classes: 6.5B
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SECTION 3: Composition/Information On Ingredients

Chemical Identity	Concentration	Cas Number
Fatty acids	25 – 40%	68937-90-6
Bis(1,2,2,6,6-pentamethyl-4-piperidyl)sebacate	< 2%	41556-26-7

This is a commercial product whose exact ratio of components may vary slightly. Minor quantities of other non-hazardous ingredients are also possible

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SECTION 4: First Aid Measures

If poisoning occurs, contact a doctor or Poisons Information Centre Phone 0800 764 766.

FIRST AID INSTRUCTIONS:

Swallowed: Never give anything by mouth if victim is semi-conscious or unconscious. Immediately rinse mouth with water and give plenty of water to drink. Seek medical attention.

Eyes: Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Do not use an eye ointment.

Inhaled: If inhaled, remove from contaminated area. Apply artificial respiration if not breathing. If symptoms develop seek medical attention.

Skin Contact: Remove/Take off immediately all contaminated clothing. Rinse skin with water. If symptoms develop seek medical attention.

Notes to physician: Treat symptomatically. If skin sensitization has developed and causal relationship has been confirmed, further exposure should not be allowed.

SECTION 5: Fire-Fighting Measures

Hazards from combustion: May emit toxic and/or irritating fumes and gases including carbon monoxide and carbon dioxide.

Suitable Extinguishing Media: Carbon dioxide, dry chemical or foam.

SECTION 6: Accidental Release Measures

Emergency procedures: If contamination of sewers or waterways has occurred advise local emergency services.

Methods for containment & clean up: Shut off all possible sources of ignition. Clear area of all unprotected personnel. Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment

to prevent skin and eye contact and breathing in vapours. Work up wind or increase ventilation. Contain - prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Collect in properly labelled containers or drums for disposal

SECTION 7: Handling and Storage

Handling advice: Avoid skin and eye contact and breathing in vapour. May form flammable vapour mixtures with air. All potential sources of ignition must be eliminated both in and near the work area. Do NOT smoke. Flameproof equipment is necessary in all areas

where this chemical is being used. Nearby equipment must be earthed. Vapour may travel a considerable distance to a source of ignition and flash back.

SECTION 8: Exposure Controls/Personal Protection

Engineering Control Measures: Ensure ventilation is adequate and that air concentrations of components are controlled below quoted Exposure Standards. Keep containers closed when not in use. Vapour heavier than air - prevent concentration in hollows or sumps. DO NOT enter confined spaces where vapour may have collected.

Personal Protective Equipment: Wear Safety Glasses with side shields

and impervious gloves. Use with adequate ventilation. If inhalation risk exists wear organic vapour/particulate respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use.

SECTION 9: Physical and Chemical Properties

Physical state:	Viscous liquid
Solubility in water:	Insoluble
Specific Gravity:	0.95 – 1.05
Flash Point (°C):	Not available
Flammability Limits (%):	Not available
Boiling Point/Range (°C):	Not available
Colour	Dark

SECTION 10: Stability and Reactivity

Stability: Stable under normal conditions.

Incompatible materials: Incompatible with strong oxidizing agents.

Conditions to avoid: Avoid exposure to heat.

SECTION 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:

Ingestion: Swallowing can result in nausea and vomiting. If the victim is showing signs of central system depression (like those of drunkenness) there is greater likelihood of the patient breathing in vomit and causing damage to the lungs.

Eye contact: Slightly irritating to eyes.

Skin contact: Contact with skin may result in irritation. Repeated or

prolonged skin contact may have a defatting effect causing dryness and cracking.

Inhalation: Material may be irritant to the mucous membranes of the respiratory tract (airways).

Long Term Effects: No information available for the product. For the solvent evidence indicates that repeated or prolonged exposure to this chemical could result in central nervous system disorders

Toxicological Data: Not available

SECTION 12: Ecotoxicity Information

Not available.

SECTION 13: Disposal Considerations

Refer to Waste Management Authority. Advise flammable nature. Dispose of material through a licensed waste contractor. Normally suitable for incineration by an approved agent.

Empty container: Do not contaminate storm water with product or product washing. Do not pour product down the drain. Unwanted product should be brushed out on newspaper, allowed to dry and then disposed of via domestic waste collection. Empty containers should be left open in a well-ventilated area to dry out. When dry, recycle the container via recycling programmes. Disposal of empty paint containers via domestic recycling programmes may differ between local authorities. Check with your local council first.

SECTION 14: Transport Information

Not regulated as dangerous goods for transportation

SECTION 15: Regulatory Information

DG classes:

6.5B

EPA Approval: The HSNO Approval Number for this Group Standard is HSR002670.
Surface Coatings and Colourants (Subsidiary Hazard) Group Standard 2006

SECTION 16: Other Information

Revision Indicator: Issued: 12 June 2019

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Road Science
Leading transport technology

Product Name: Flexi Bind

Manufacturer: Road Science

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