

Safety Data Sheet

ADH190 ROCKBOND EPOXY HARNENER

RB 8.01/02/03 PART B

Version 1.2

1. Product and Company Identification

Product Name	Rockbond Epoxy Hardener
Product Code	8.01/02/03 Part B
Recommended uses	Construction of fibre reinforced equipment and fittings. Suitable for construction of recreational water craft. Corrosion resistant flooring and coatings.
Company	Rockbond SCP Ltd
Street Address	7 Te Puni Street, Petone WELLINGTON
Telephone	0800 76 25 26
Emergency Contact numbers	National Poisons Centre 0800 764 766 (0800 POISON) Other Countries 0064 3 479 7248 New Zealand Fire Service – 111

2. Hazards Identification

HSNO Classification

6.1C	(dermal) Acutely toxic
6.1C	(oral) Acutely toxic
6.5B	(contact) Contact sensitisers
6.8B	Suspected human reproductive or developmental toxicants
6.9A	(oral) Toxic to human target organs or systems
6.9B	(dermal) Harmful to human target organs or systems
8.2C	Corrosive to dermal tissue
8.3A	Corrosive to ocular tissue
9.1B	(algal) Very ecotoxic in the aquatic environment
9.1C	(crustacean) Harmful in the aquatic environment
9.3B	Ecotoxic to terrestrial vertebrates

3. Composition/Information on Ingredients

Chemical Name	CAS no.	Weight %
Isophoronediamine	2855-13-2	>60
Tris-2,4,6-(dimethylaminomethyl)phenol	90-72-2	<20
Bisphenol A/ epichlorohydrin resin	25085-99-8	<20
Bis(dimethylaminomethyl)phenol	71074-89-0	<5
Other ingredients determined not to be hazardous	-	To 100

4. First Aid

Inhalation	Remove victim to fresh air and provide oxygen if breathing is difficult. Give artificial respiration if not breathing. Get medical attention.
Skin Contact	Remove contaminated clothing/shoes and wipe excess from skin. Flush skin with water for at least 15 minutes. Follow by washing with soap and water. If irritation occurs, get medical attention. Do not reuse clothing until cleaned. Contaminated leather articles, including shoes, cannot be decontaminated and should be destroyed to prevent reuse.
Eye contact	Flush eyes with plenty of water minutes while holding eyelids open until medical attention is received.
Ingestion	Do not induce vomiting. Rinse mouth with water. Give plenty of water to drink.
Treatment	Treat symptomatically

5. Fire-fighting Measures

Extinguishing Media	Use water fog, foam, dry chemical or carbon dioxide.
Fire and Explosion Hazards	DANGER: Corrosive Clear fire area of all non-emergency personnel. Cool fire exposed containers with water. Irritating fumes are released in fire situations. Do not allow material or run-off to enter waterways. Stay upwind, keep out of low areas.
Fire-fighting equipment	Do not enter confined fire space without full bunker gear (helmet with face shield, bunker coats, gloves and rubber boots). Use approved positive pressure self contained breathing apparatus.
HAZCHEM	3X

6. Accidental Measures

Personal Precautions	Use cautious judgement when cleaning up spills. Shut off leaks, if possible without personal risk.
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Environmental Precautions	Dike and Contain. Contain run-off and dispose of properly. Remove contaminated soil to remove contaminated trace residues. Prevent from entering into drains, ditches or rivers.
Clean-up Methods (small)	Soak up with an absorbent material such as clay, sand, sawdust or Zorball. Place in non-leaking container. Seal tightly for proper disposal.
Clean-up Methods (large)	Remove with vacuum trucks or pump to storage/salvage vessels. Soak up residue with an absorbent material such as clay, sand, sawdust or Zorball. Place in non-leaking container. Seal tightly for proper disposal. Flush area with water to remove trace residue.

7. Handling and Storage

Handling	Keep out of reach of children. Put on appropriate PPE (see section 8). Causes skin irritation and sensitivity. Avoid contact with skin, eyes and clothing. Wash with soap and water before eating, drinking, smoking, applying cosmetics, or using toilet facilities. Do not breathe vapour or mist. Clean up spilled material immediately, and wash clothes, equipment and work area after use.
Storage	Store in a cool, dry place with adequate ventilation. Keep containers closed when not in use.

8. Exposure Controls / Personal Protection

Occupational Exposure limits	None established
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WEL = workplace exposure limit
TWA = time weighted average
STEL = short term exposure limit

Engineering controls	Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants as low as possible and/or below any recommended or statutory limits. Eye wash fountains and safety showers should be available for emergency use.
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Personal Protection	Respiratory - Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Skin - Personal protective equipment for the body should be worn at all times. Wear chemical-resistant protective clothing such as gloves, apron, overshoes and face shield to prevent potential exposure. Eye - Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. Hand - Recommended: polyvinyl alcohol (PVA), Butyl rubber, EVAL, Neoprene.
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9. Physical and Chemical Properties

Appearance	Liquid
Colour	Amber colour
Odour	Ammonia odour
pH	≈ 10
Vapour pressure	0.01mbar at 25°C
Vapour density	>1 [Air = 1]
Boiling Point	247°C (477°F)
Melting/Freezing Point	10°C (50°F)
Solubility (water)	Not Miscible
Specific Gravity/Density	0.99 g/cm ³ [25°C (77°F)]
Flash Point	112°C (closed cup)
Flammable Limits	LFL: Not available UFL: Not available
Auto-ignition	>300°C

10. Stability and Reactivity

Chemical Stability	Stable under recommended storage conditions.
Conditions to avoid	Avoid temperatures above 300°C. Potentially violent decomposition can occur, causing gas generation and pressure increases in closed systems.
Materials to avoid	Reactive or incompatible with the following materials: <i>oxidizing materials</i> : Slightly reactive or

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incompatible with the following materials: *acids and alkalis*.

Hazardous Decomposition Products Decomposition products may include the following materials: carbon oxides, phenolics and water.

11. Toxicological Information

Potential Health effects

Inhalation	Vapours are unlikely due to physical properties.
Ingestion	Very low toxicity if swallowed. Harmful effects not anticipated from swallowing small amounts.
Skin	Prolonged or repeated contact may cause skin irritation.
Eye	May cause eye irritation. Corneal injury is unlikely.

Acute Health Effects

Test	Species	Result	Exposure
LD50 Oral	Rat	<2000mg/kg	-
LC50 Dermal	Rabbit	<5mg/L	-

Systemic Effects Irritating to respiratory system. Corrosive to skin. Corrosive to eyes. May be harmful if swallowed.

Carcinogenicity Has not been classified by IARC

Mutagenicity Has not been classified by IARC

12. Ecological Information

Ecotoxicity Based on information for IPD

Degradability No data is available on the product itself.

Bioaccumulation No data is available on the product itself.

HSNO Classification 9.1B (algal) Very ecotoxic in the aquatic environment
9.1C (crustacean) Harmful in the aquatic environment
9.3B Ecotoxic to terrestrial vertebrates

13. Disposal Considerations

Disposal
DO NOT DUMP INTO ANY SEWERS, ON THE

GROUND, OR INTO ANY BODY OF WATER. All disposal methods must be in compliance with all Federal, State/Provincial and local laws and regulations.

FOR UNUSED AND UNCONTAMINATED PRODUCT, the preferred options include sending to a licensed, permitted: recycler, reclaimer, incinerator or other destruction device.

14. Transport Information

Road, Rail, Sea and Air Transport

UN Number	2735
Proper Shipping name	Polyamines, liquid, corrosive, n.o.s. (mixture contains isophoronediamine)
DG Class	8
Packing Group	III
HAZCHEM code	3X
IMO/IMDG class	8
ICAO/IATA class	8
EMS code	F – A, S – B
Marine pollutant	Yes

15. Regulatory Information

ERMA NZ Approval code HSR002658

16. Other Information

FOR FURTHER PRODUCT INFORMATION CALL ROCKBOND SCP LTD DURING BUSINESS HOURS 0800 76 25 26

Product Information Manager: Tim Lough



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