

ROCKBOND

MAKING CONCRETE STRONGER

1. Identification of the substance/mixture and supplier

Product Name:	8.10 Nose Cone Epoxy
Recommended use:	Component of multi-component joint fillers and sealants
Supplier:	Rockbond SCP
Street Address:	7 Te Puni St, Petone, Wellington
Telephone Number:	0800762526 (8.00am to 5.00pm, Monday to Friday)
Web Address	www.rockbond.co.nz
Emergency Telephone:	
National Poison Information Centre	0800 POISON (764 766) (within New Zealand) 0064 3 479 7248 (From overseas)
New Zealand Fire Service	111
Date of issue	May 2024

2. Hazards identification

WARNING



EPA Approval:	The HSNO Approval Number for this Group Standard is HSR002670.
Group Standard:	Surface Coatings and Colourants (Subsidiary Hazard) Group Standard 2017

DG Classes	Hazard Statements
6.3A	H315 Causes skin irritation
6.4A	H319 Causes serious eye irritation
6.5B	H317 May cause an allergic skin reaction
9.1B	H411 Toxic to aquatic life with long-lasting effects

Prevention Statements

- Keep out of reach of children.
- Read label before use
- Wash hands thoroughly after handling.
- Do not eat, drink or smoke when using this product.
- Wear protective gloves/eye protection.

- Avoid breathing vapours.
- Contaminated work clothing should not be allowed out of the workplace.
- Avoid release to the environment.

Response Statements

- If medical advice is needed, have product container or label at hand.
- IF SWALLOWED: call a POISON CENTER/doctor/... IF you feel unwell.
- IF SWALLOWED: Rinse mouth.
- IF ON SKIN: wash with plenty of water.
- IF SKIN irritation or rash occurs: Get medical advice/attention.
- Take off contaminated clothing.
- Wash contaminated clothing before reuse.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.
- IF eye irritation persists: Get medical advice/attention.
- Collect spillage.

Storage Statements

- Not available

3. Composition/information on ingredients

Material	CAS No	Content %
Diglycidyl bisphenol A resin	25085-99-8	20 – 50
Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol	9003-36-5	10 – 30
Benzyl Alcohol	100 -51-6	10 – 30
Non-DG materials		To 100

4. First-aid measures

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

Ingestion:	Do not induce vomiting. Rinse mouth with water. Give plenty of water to drink.
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. 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 for 15 minutes while holding eyelids open. Get medical attention.
Notes to physician:	Treat symptomatically

5. Fire-fighting measures

Extinguishing Media	Use water fog, foam, dry chemical or carbon dioxide.
Extinguishing Media to Avoid	Do not use direct water stream. May spread fire
Hazardous Combustion Products	During a fire, smoke may contain the original material in addition to combustion products of varying composition which may be toxic and/or irritating. Combustion products may include and are not limited to: Phenolics. Carbon monoxide. Carbon dioxide.
Unusual Fire and Explosion Hazards	Container may rupture from gas generation in a fire situation. Violent steam generation or eruption may occur upon application of direct water stream to hot liquids. Dense smoke is emitted when burned without sufficient oxygen.
Fire Fighting Procedures	Clear fire area of all non-emergency personnel. Isolate fire and deny unnecessary entry. Cool fire exposed containers with water. Irritating fumes are released in fire situations. Move container from fire area if this is possible without hazard. Burning liquids may be moved by flushing with water to protect personnel and minimize property damage. Do not allow material or run-off to enter waterways. Stay upwind, keep out of low areas.
Fire-fighting equipment	Wear positive-pressure self-contained breathing apparatus (SCBA) and protective firefighting clothing (includes firefighting helmet, coat, trousers, boots, and gloves). Avoid contact with this material during firefighting operations. If contact is likely, change to full chemical resistant firefighting clothing with self-contained breathing apparatus. If this is not available, wear full chemical resistant clothing with self-contained breathing apparatus and fight fire from a remote location
HAZCHEM	3Z

6. Accidental release measures

General Precautions	Isolate area. Keep unnecessary and unprotected personnel from entering the area. Use appropriate safety equipment. For additional information, refer to Section 8, Exposure Controls and Personal Protection. Refer to Section 7, Handling, for additional precautionary measures.
Personal Precautions	Use cautious judgement when cleaning up spills. Shut off leaks, if possible without personal risk.
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 advice:	Keep out of reach of children. Put on appropriate PPE (see section 8). Causes skin irritation and sensitivity. Avoid contact with skin, eyes and
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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 advice:

Store in a cool, dry place with adequate ventilation. Keep containers closed when not in use.

8. Exposure controls/personal protection

Workplace Exposure Standards: None established

Occupational Exposure Limits:

Engineering control measures:

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. Use explosion-proof ventilation equipment.

Personal protective equipment:

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 selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

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.

9. Physical and chemical properties

Appearance	Very thick liquid
Colour	Black
Odour	Sweet odour
pH	Not Available
Vapour pressure	82 Pa (4.5 mm Hg)
Vapour density	>1 [Air = 1]
Boiling Point	Not available
Melting/Freezing Point	Not available
Solubility (water)	Not Miscible
Specific Gravity/Density	1.14 – 1.17 g/cm ³ [25°C (77°F)]
Flash Point	251°C (closed cup)
Flammable Limits	LFL: Not available UFL: Not available
Auto-ignition	>300°C

10. Stability and reactivity

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 incompatible with the following materials: <i>acids, amines, anhydrides, chloroform, chloroform acid</i> .
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

(Bisphenol A/ epichlorohydrin resin)

Test	Species	Result	Exposure
LD50 Oral	Rat	>5000mg/kg	-
LD50 Dermal	Rabbit	20,000mg/kg	-
Systemic Effects	Except for Skin sensitization, repeated exposure is not likely to cause significant adverse effects.		
Carcinogenicity	IARC has classified DGEBA as non-carcinogenic.		
Mutagenicity	In animal studies, did not cause birth defects or other adverse effects on the foetus when pregnant rabbits, did not interfere with reproduction. Animal genetic toxicity studies were negative.		

12. Eco toxicological information

(Bisphenol A/ epichlorohydrin resin)

Ecotoxicity	Material is moderately toxic to aquatic organisms on an acute basis		
	Species	Period	Result
LC50	fathead minnow	96 h	3.1 mg/l
EC50	water flea	48 h	1.4 - 1.7 mg/
IC50	bacteria	18 h	> 42.6 mg/l
Degradability	Under OECD guidelines this material cannot be considered as readily degradable.		
Bioaccumulation	Moderate Log P _{ow} = 3 - 5		
HSNO Classification	9.1B Very eco-toxic in the aquatic environment		

13. Disposal considerations

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	UN3082
Proper Shipping name	Environmentally hazardous substance, liquid, n.o.s. (Epoxy resin)
DG Class	9
Packing Group	III
HAZCHEM code	3Z
IMO/IMDG class	9
ICAO/IATA class	9
EMS code	F – A, S – F
Marine pollutant	Yes

15. Regulatory information

DG Classes:	6.3A, 6.4A, 6.5B, 9.1B
EPA Approval:	The HSNO Approval Number for this Group Standard is HSR002670.
Group Standard:	Surface Coatings and Colourants (Subsidiary Hazard) Group Standard 2017

16. Other information

References

<https://echa.europa.eu/information-on-chemicals/cl-inventory-database>
<https://www.epa.govt.nz/database-search/chemical-classification-and-information-database-ccid/>
[RCNZ Approved HSNO CoP Preparation of Safety Data Sheets](#)
<https://www.epa.govt.nz/>
[http://www.chemsafetypro.com/](http://www.chemsafetypro.com/labelling-of-hazardous-substances/EPA/Technical-Guide/January-2012)
[labelling of hazardous substances/EPA/Technical Guide/January 2012](#)

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Product Information Manager on 0064 9 838 6961 (8.00 am to 5.00 pm – Monday to Friday)

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This version replaces all previous versions.

END OF SDS