

MATERIAL SAFETY DATA SHEET

Section 1: Identification

Product name:	RB 8.04 Rockbond Epoxy Mortar (1:1 Kit)
Recommended use:	A Mouldable Epoxy for Concrete repair
Company details:	Rockbond SCP Ltd
Address:	7 Te Puni Street, Petone, Lower Hutt, Wellington, New Zealand 5012
Telephone Number:	0800 76 25 26
Emergency telephone number:	0800 76 25 26 (Hours of Operation 7.30am to 5pm Monday - Friday)
Date of preparation:	January 2022

Section 2: Hazards Identification

Hazard classification: Classified as Hazardous according to the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001, New Zealand. EPA New Zealand HSNO approval code or group standard HSR002503 Group Standard: Additives, process chemicals and raw materials (Subsidiary hazard) Group Standard 2006

Dangerous Goods Class Hazard Class 9 Packing Group III

GHS Classification

Skin corrosion/irritation	Category 2 (HSNO - 6.3A)
Serious eye damage/eye irritation	Category 2 (HSNO - 6.4A)
Skin sensitisation	Category 1 (HSNO - 6.5B)
Chronic aquatic toxicity	Category 2 (HSNO - 9.1B)

Label elements



Signal word: Warning

Hazard statements: H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H319 - Causes serious eye irritation
H411 - Toxic to aquatic life with long lasting effects

Precautionary statements	
Prevention:	Wash face, hands and any exposed skin thoroughly after handling Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/fume/gas/mist/vapours/spray. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment
Response:	Specific treatment (see supplemental first aid instructions on this label). 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 IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash before re-use. If skin irritation or rash occurs: Get medical advice/attention Collect spillage
Storage:	Store locked up. Store in a well-ventilated place. Keep cool.
Disposal:	Dispose of contents/container to an approved waste disposal plant
Other hazards which do not result in classification:	None known.

Section 3: COMPOSITION AND INFORMATION ON INGREDIENTS		
Substance	Not Applicable	
Mixture		
<u>Chemical Name</u>	<u>CAS No</u>	<u>Weight-%</u>
Resin, Bisphenol A-Epichlorohydrin	25068-38-6	30-<20
Phenol, polymer with formaldehyde, glycidyl ether	28064-14-4	10-<20
Non-hazardous ingredients	Balance	
Resin, Bisphenol A-Epichlorohydrin	%	CAS Number
Phenol, polymer with formaldehyde, glycidyl ether	30-<60	5068-38-6

Section 4: First-aid measures

Description of necessary first-aid measures

General advice Show this safety data sheet to the doctor in attendance.

Emergency telephone number Poisons Information Centre, New Zealand: 0800 764 766

Inhalation: Remove to fresh air. Get medical attention immediately if symptoms occur.

Skin contact Wash with soap and water. May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a doctor. Get medical attention if irritation develops and persists. Wash off immediately with soap and plenty of water for at least 15 minutes.

Eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists. Do not rub affected area.

Ingestion: Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a doctor.

Self-protection of the first aider Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8).

Most important symptoms and effects, both acute and delayed

Symptoms Itching. Rashes. Hives. Burning sensation.

Indication of any immediate medical attention and special treatment needed

Note to doctors May cause sensitisation in susceptible persons. Treat symptomatically.

Section 5: Fire-fighting measures

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media

Do not use water Jetstream

Specific hazards arising from the chemical

Some may burn but none ignite readily. Some may be transported hot. In the event of fire and/or explosion do not breathe fumes.

May cause sensitisation by inhalation and skin contact. Thermal decomposition can lead to release of irritating and toxic gases and

vapours. Product is or contains a sensitiser. May cause sensitisation by skin contact.

Special protective actions for fire-fighters

Wear self-contained breathing apparatus and protective suit. Use personal protective equipment as required.

Hazchem code

•3Z.

Section 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions

Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

Refer to protective measures listed in Sections 7 and 8.

For emergency responders

Use personal protection recommended in Section 8.

Environmental precautions

Prevent further leakage or spillage if safe to do so.

Methods and material for containment and cleaning up

Methods for containment

Prevent further leakage or spillage if safe to do so.

Methods for cleaning up

Take up mechanically, placing in appropriate containers for disposal.

Precautions to prevent secondary hazards

Prevention of secondary hazards

Clean contaminated objects and areas thoroughly observing environmental regulations.

Reference to other sections

See section 8 for more information. See section 13 for more information.

Section 7: Handling and storage

Precautions for safe handling

Advice on safe handling

Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash it before reuse.

General Hygiene Considerations

When using do not eat, drink or smoke. Wash contaminated clothing before re-use. Regular cleaning of equipment, work area and clothing is recommended. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. Avoid contact with skin, eyes or clothing.

Conditions for safe storage, including any incompatibilities

Storage Conditions

Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Keep out of the reach of children.

Incompatible materials

Strong acids. Strong bases. Strong oxidising agents

Section 8: Exposure controls/personal protection

Control parameters

Exposure Limits

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Biological occupational exposure limits

Not applicable

Appropriate engineering controls

Engineering Controls

Ensure adequate ventilation, especially in confined areas.

Individual protection measures, such as personal protective equipment

Eye/face protection

Tight sealing safety goggles. Face protection shield.

Skin and body protection

Suitable protective clothing. Apron. Gloves made of plastic or rubber.

Respiratory protection

Where respiratory protection is required, use a respirator selected and in accordance with AS/NZS 1715 and AS/NZS 1716.

Environmental exposure controls Do not allow into any sewer, on the ground or into any body of water.

Section 9: Physical and chemical properties

Information on basic physical and chemical properties

Physical state	liquid
Appearance	paste
Colour	white
Odour	Slight
Odour threshold	No information available

Property	Values	Remarks • Method
pH		No information available
Melting point / freezing point		No information available
Boiling point/boiling range	> 200 °C	
Flash point	> 100 °C	
Evaporation rate	< 1	
Flammability (solid, gas)		No information available
Flammability Limit in Air		
Upper flammability limit:		No information available
Lower flammability limit:		No information available
Vapour pressure		No information available
Vapour density	> 1	
Relative density	1.5	
Water solubility		insoluble
Solubility(ies) -		No information available
Partition coefficient		No information available
Auto-ignition temperature		No information available
Decomposition temperature		No information available
Kinematic viscosity		No information available
Dynamic viscosity		No information available
Explosive properties		No information available
Oxidising properties		No information available
Other Information		
VOC Content (%)		No information available
Density		No information available

* This information may be derived from the components in the preparation.

Section 10: Stability and reactivity

Reactivity	No Data Available
Chemical stability	Stable under normal conditions
Explosion data	
Sensitivity to Mechanical Impact	None.
Sensitivity to Static Discharge	None.
Possibility of Hazardous Reactions	None under normal processing.

Incompatible materials Strong acids. Strong bases. Strong oxidising agents.

Hazardous Decomposition Products None under normal use conditions.

Section 11: Toxicological information

Acute toxicity

Information on likely routes of exposure

Product Information .

Inhalation	Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract.
Eye contact	Specific test data for the substance or mixture is not available. Irritating to eyes. (based on components). Causes serious eye irritation.
Skin contact	Specific test data for the substance or mixture is not available. Causes skin irritation. (based on components). May cause sensitisation by skin contact. Repeated or prolonged contact may cause allergic reactions in very susceptible persons.
Ingestion	Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

Numerical measures of toxicity - Product Information

The following values are calculated based on chapter 3.1 of the GHS document
 Converted acute toxicity point estimates may have been used when only acute toxicity hazard classification is available.

ATEmix (oral) 38,000.00

- 0% of the mixture consists of ingredient(s) of unknown toxicity
- 0 % of the mixture consists of ingredient(s) of unknown acute oral toxicity
- 0 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity
- 0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)
- 0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapour)
- 0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Resin, Bisphenol	= 11400 mg/kg (Rat)	-	-
A-Epichlorohydrin			

See section 16 for terms and abbreviations

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation

Classification based on individual ingredients of the mixture. Irritating to skin.

Serious eye damage/eye irritation

Classification based on individual ingredients of the mixture. Irritating to eyes.

Sensitisation

May cause sensitisation by skin contact.

Germ cell mutagenicity

No information available.

Carcinogenicity

No information available.

Reproductive toxicity

No information available.

STOT - single exposure

No information available.

STOT - repeated exposure

No information available.

Aspiration hazard

No information available.

Section 12: Ecological Information

Ecotoxicity

Unknown Aquatic Toxicity 0% of the mixture consists of component(s) of unknown hazards to the aquatic environment

Persistence and degradability

No information available.

Bioaccumulative potential

No information available.

Mobility

Mobility in soil

No information available.

Mobility

No information available.

Other adverse effects

Endocrine Disruptor Information

Chemical Name	EU Endocrine Disruptors Candidate List
Resin, Bisphenol A-Epichlorohydrin	Group III Chemical

Section 13: Disposal considerations

Waste treatment methods

Waste from residues/unused products Refer to all federal, state and local regulations prior to disposal of container and unused contents by re-use, recycle or disposal.

Contaminated packaging Disposal should be in accordance with applicable regional, national and local laws and regulations. Observe all label precautions until container is cleaned, reconditioned or destroyed. Refer to all federal, state and local regulations prior to disposal of container and unused contents by re-use, recycle or disposal.

Section 14: Transport information

Road transport

UN Number UN3082
Proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Description UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Resin, Bisphenol A-Epichlorohydrin, Phenol, polymer with formaldehyde, glycidyl ether), 9, III
Hazard Class 9
Packing Group III
Environmental hazard Yes
Special Precautions for users 274, 331, 335, 375, AU01
Hazchem code •3Z.
IERG 47

IMDG

UN/ID no UN3082
Proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Description UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Resin, Bisphenol A-Epichlorohydrin, Phenol, polymer with formaldehyde, glycidyl ether), 9, III, Marine pollutant
Hazard Class 9
Packing Group III
EmS-No F-A, S-F
Special Precautions for users 274, 335, 969
Marine pollutant This material meets the definition of a marine pollutant

Transport in Bulk According to Annex II of MARPOL and the IBC CODE

No information available

IATA

UN/ID no UN3082
Proper shipping name Environmentally hazardous substances, liquid, n.o.s.
Description UN3082, Environmentally hazardous substance, liquid, n.o.s. (Resin, Bisphenol A-Epichlorohydrin, Phenol, polymer with formaldehyde, glycidyl ether), 9, III

Hazard Class	9
Packing Group	III
ERG Code	9L

Section 15: Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

New Zealand

Regulatory information Classified as Hazardous according to the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001, New Zealand. See section 8 for national exposure control parameters.

EPA New Zealand HSNO approval code or group standard HSR002503
 Group Standard: Additives, process chemicals and raw materials (Subsidiary hazard) Group Standard 2006.

International Inventories

AICS - Australian Inventory of Chemical Substances	Listed or exempt
DSL - Canadian Domestic Substances List	No information available
IECSC - China Inventory of Existing Chemical Substances	No information available
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances	No information available
ENCS - Japan Existing and New Chemical Substances	No information available
NZIoC - New Zealand Inventory of Chemicals	Listed or exempt
TSCA - United States Toxic Substances Control Act Section 8(b) Inventory	No information available

International Regulations

Ozone-depleting substances (ODS)	Not applicable
Persistent Organic Pollutants	Not applicable
Export Notification requirements	Not applicable

Section 16: Other information

Revision Date 01.01.2022

Key or legend to abbreviations and acronyms used in the safety data sheet

Legend Section 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation
C	Carcinogen		

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End of Material Safety Data Sheet