

# Epoxy Mortar

## Safety Data Sheet

### Section 1: Identification

<b>Product name:</b>	<b>RB 8.04 Rockbond Epoxy Mortar (1:1 Kit)</b>
<b>Recommended use:</b>	A Mouldable Epoxy for Concrete repair
<b>Company details:</b>	Rockbond SCP Ltd
<b>Address:</b>	7 Te Puni Street, Petone, Lower Hutt, Wellington, New Zealand 5012
<b>Telephone Number:</b>	0800 76 25 26
<b>Emergency telephone number:</b>	0800 76 25 26 (Hours of Operation 7.30am to 5pm Monday - Friday)
<b>Date of preparation:</b>	July 2019

### Section 2: Hazards Identification

<b>Hazard classification:</b>	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	
<b>Dangerous Goods Class</b>	Hazard Class 9	Packing Group III
<b>GHS Classification</b>	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



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### 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

### 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

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<b>Inhalation:</b>	Remove to fresh air. Get medical attention immediately if symptoms occur.
<b>Skin contact</b>	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.
<b>Eye contact</b>	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.
<b>Ingestion:</b>	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 sensitizer. 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.

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### 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.



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### 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



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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.
Conditions to avoid	
Incompatible materials	Strong acids. Strong bases. Strong oxidising agents.
Hazardous Decomposition Products	<u>None under normal use conditions.</u>

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### Section 11: Toxicological information

#### Acute toxicity

#### Information on likely routes of exposure

#### Product Information .

<b>Inhalation</b>	Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract.
<b>Eye contact</b>	Specific test data for the substance or mixture is not available. Irritating to eyes. (based on components). Causes serious eye irritation.
<b>Skin contact</b>	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.
<b>Ingestion</b>	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)

<b>Chemical Name</b>	<b>Oral LD50</b>	<b>Dermal LD50</b>	<b>Inhalation LC50</b>
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.



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### **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 components(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**

<b>Chemical Name</b>	<b>EU Endocrine Disrupters Candidate List</b>
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Resin, Bisphenol A-Epichlorohydrin	Group III Chemical
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### 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



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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** 01.07.2019

#### 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**