

ROCKBOND

MAKING CONCRETE STRONGER

Material Safety Data Sheet

RB 10.05 Epotread™ 1000 Water-based epoxy Paint

1 IDENTIFICATION OF THE SUBSTANCE

Product Type/Use Water based epoxy floor coating
Product Code Epotread 1000

Supplier Rockbond SCP Ltd
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PO Box PO Box 38 526, Wellington 5045
New Zealand
Phone +64 4 568 5401
Email sales@rockbond.co.nz

In Emergency: Dial 111, then ask for Fire, Ambulance or Police as necessary
In Case of Poisoning: Call the National Poisons Centre – 0800 764 766

2 HAZARDS IDENTIFICATION

PART A - HSNO CLASSIFICATION

9.1B (Toxic to Aquatic Life with long lasting effects)
6.3A (Causes Skin Irritation)
6.4A (Causes Eye Irritation)
6.5B (May cause skin Irritation)
6.6B (Suspected of causing Genetic Effects)

PART B HARDENER - HSNO CLASSIFICATION

6.1D (Harmful if swallowed)
6.3A (Causes Skin Irritation)
6.5B (May cause skin Irritation)
8.3A (Causes serious Eye Damage)
9.1D (May cause long lasting harmful effects to aquatic life)

Skin

Prolonged or repeated exposure may cause skin irritation. May cause skin sensitization.
May be slightly toxic and may be harmful if absorbed through the skin.

Eyes

May cause severe eye irritation. May cause slight corneal injury.

Ingestion

Harmful in large quantities.

Inhalation

Possible slight irritation to susceptible individuals.

3 COMPOSITION / INFORMATION ON

INGREDIENTS Preparation Description:

Emulsified coating consisting of Part A (epoxy resin), and Part B (curing agent), prepared with chemical emulsifying agents and containing mineral fillers.

CAS Number:	Component name:	Content range
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Part A

25068-38-6	Epoxy resin	10-50%
1317-65-3	Natural Calcium Carbonate	10-50%
13463-67-7	Titanium Dioxide	10-50%
	Water	10-30%
	Oxide pigments as appropriate to colour	
	Additives	<10%

Part B-HARDENER

RND	Aliphatic Polyamine	40-80%
64-19-7	Acetic Acid	<10%
	Water	10-30%
	Additives	<10%

4 FIRST AID MEASURES

Inhalation

Remove patient to fresh air and obtain medical help if breathing is difficult. Supplemental oxygen may be required.

Eye Contact

Rinse eye thoroughly with clean water for at least 15 minutes, ensuring eyelid is held open. Obtain medical help.

Skin Contact

Remove contaminated clothing. Flush exposed area with water and soap. If irritation occurs, seek medical attention. Dermatitis may result from prolonged or repeated exposure.

Ingestion

Give water to drink providing the patient is conscious. Do not induce vomiting. Obtain medical help immediately.

5 FIRE FIGHTING MEASURES

Specific hazards

Product is water-based, liquid will not readily burn unless preheated.

Extinguishing media

Dry chemical powder, foam, water spray (fog), carbon dioxide, sand or earth.

Firefighter protection

Proper protective equipment including breathing apparatus must be worn when approaching a fire.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions

Avoid contact with skin, eyes and clothing.

Personal protection

Please see Section 8.

Environmental precautions

Prevent spillage from entering drains or rivers by using sand, earth or other appropriate barriers.

Clean up

Soak up residue with an absorbent such as clay or sand and dispose of in accordance with local regulations.

Additional advice

Local authorities should be advised if significant spillages cannot be contained.

7 HANDLING AND STORAGE

Handling temperature

Ambient.

Handling

No particular precautions are necessary as the product is non-flammable and non-hazardous in nature. Avoid contact with skin, eyes and clothing. Use proper handling equipment and wear safety footwear.

Storage

Store in a cool, dry, well-ventilated area. Protect from frost. Use proper plastic or plastic lined containers and keep tightly closed when not in use.

Storage temperature

Between +5°C and +40°C. Protect from frost.

8 EXPOSURE CONTROLS / PERSONAL

PROTECTION Engineering controls

Exposure to vapour should be minimized. Wear safety glasses. Ensure eye wash fountains are accessible. Wear nitrile rubber gloves.

Control parameters

Material	Regulation	Value	Remarks
Epoxy resin		5mg/m ³	
Polyamine curing agents	ACGIH		None established
Acetic Acid	ACGIH	<5ppm	

Personal protection

Overalls and other outer clothing should be worn and laundered as necessary to avoid permeation of the product to under clothing. Wear nitrile gloves, safety glasses as appropriate. Wash hands before eating, drinking or using the toilet. Do not eat in immediate vicinity of application.

Use approved respiratory equipment or air extraction systems in confined spaces where vapours are likely to accumulate.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

Physical state	Liquid.
Colour	Pigmented or amber.
Form	Thick fluid.

Odour Characteristic, very low odour.

pH Slightly alkaline

Flash point >94°C

Density 1.4 kg/litre

Kinematic viscosity N/A

Dynamic viscosity N/A

Vapour pressure <27 mbar 25°C

Solubility in water Miscible.

10 STABILITY AND REACTIVITY

Chemical stability

Stable under normal conditions of use.

Conditions to avoid

Excessive heat and freezing temperatures.

Materials to avoid

Strong oxidizing agents.

11 TOXICOLOGICAL INFORMATION

Likely routes of exposure

Skin and eye contact are the primary routes of exposure although exposure may occur through inhalation or accidental ingestion.

Acute oral toxicity

Existing data indicates that the acute toxicity is low to moderate.

Acute dermal toxicity

Expected to be of low toxicity, LD50 <= 1900mg/kg.

Skin exposure Skin irritant.

Eye contact Irritating.

Inhalation Inhalation of vapours or spray mists may cause irritation.

12 ECOLOGICAL INFORMATION

Environmental effects

Toxic to aquatic organisms, may cause long term adverse effects to in the aquatic environment

Mobility

Ground: According to its physical properties, large volumes could penetrate soil.

Water: Soluble.

Bioaccumulative potential

Contains components with the potential to bioaccumulate.

Eco-toxicity

Expected to be practically non-toxic, LC/EC/IC 50 > 100mg/l.

Biodegradability

Some components are readily biodegradable while others are persistent in the environment.

13 DISPOSAL CONSIDERATIONS

Material disposal

Recover or recycle if possible. Do not dispose into the environment, in drains or waterways. Arrange for proper waste disposal in compliance with national and local government regulations.

Container disposal

Drain container thoroughly, then allow to vent in a safe place until all residues are dry. Dispose of containers in compliance with national and local government regulations.

14 TRANSPORT INFORMATION

UN number	3082
Proper shipping name	Environmentally Hazardous Substance Liquid N.O.S. (Liquid Epoxy Resin, Aliphatic Glycidyl Ether)
DG Class	9
Packing group	III
Marine pollutant	Yes
Other information	Water-based coating. Always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of accident or spillage.

15 REGULATORY INFORMATION

HSNO Approval Number: HSR002670

Surface Coatings and Colorants (Subsidiary Hazards) Group Standard 2006

Classification: As per section 2

16 OTHER INFORMATION

MSDS version number	1.6
MSDS effective date	January 2019
Number of pages	5
Uses and restrictions	Cold applied surface coating material.
Contact point	Phone (64) (4) 568 5401

MSDS distribution This document should be made available to any person who may handle or use the product.

Disclaimer The regulatory information is not intended to be comprehensive. Other regulations may apply to this material. The information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

END OF MSDS