

# MATERIAL SAFETY DATA SHEET

| IDENTIFICATION  |  |            |
|---|--|------------|
| <b>PRODUCT NAME</b><br>ROCKBOND REPAIR CONCRETE   |  |            |
| <b>Other Names:</b><br>Pumpable repair concrete.  | <b>Toxicity Information:</b><br>Non-toxic  |            |
| <b>Product Code:</b><br>RB1.06  | <b>Pack Size &amp; Container Type:</b><br>25 kg Durable bags   |            |
| <b>U.N. Number:</b>   | <b>Uses:</b><br>Premix cement, sand and aggregate products which are mixed with water for use in concrete repairs, construction and civil engineering. |            |
| <b>Dangerous Goods Class:</b><br>Not Applicable   |  |            |
| <b>Hazchem Code:</b>  |  |            |
| PHYSICAL DESCRIPTION/PROPERTIES   |  |            |
| <b>Appearance:</b><br>Light to dark grey powder to 5 mm particle size.  | <b>Flammability Limits:</b><br>Not Applicable  |            |
| <b>Boiling Point:</b><br>Not Applicable   | <b>Solubility In Water:</b><br>Mostly insoluble  |            |
| <b>Melting Point:</b><br>Not Applicable   | <b>Reactivity:</b><br>Non-reactive   |            |
| <b>Vapour Pressure:</b><br>Not Applicable   | <b>Corrosiveness:</b><br>Non-corrosive   |            |
| <b>Specific Gravity:</b><br>Loose bulk density 1500 to 1700 kg/m <sup>3</sup>   | <b>Odour:</b><br>Odourless   |            |
| <b>Flash Point:</b><br>Not Applicable   | <b>Other Properties:</b>   |            |
| INGREDIENTS   |  |            |
| Chemical Information  | CAS No.  | Proportion |
| A blend of cementitious powder based on Portland cement mixed with silica sand, aggregate, microsilica and small amounts of polymer powder. |  |            |
| Portland Cement   | 65997-15-1   | low        |
| Silaceous aggregate to 5 mm   | 14808-60-7   | high       |
| Microsilica   | 69012-64-2   | low        |
| <b>proportions &gt; 75% high 25%-75% medium 0-25% low</b>   |  |            |

## HEALTH HAZARD INFORMATION

### HEALTH EFFECTS

**Acute:****Swallowed:**

Small amounts of cement if swallowed are unlikely to cause harm. However larger doses may result in the irritation of the gastro – intestinal tract.

**Eye:**

The cement powder with water may cause irritation and inflammation.

**Skin:**

Cementitious powder wet or dry, may cause irritation, such as dermatitis and/or alkali burns.

**Inhaled:**

Cement powder may cause inflammation of the mucus membranes.

**Chronic:**

High repeated exposure to the skin can cause dermatitis.

### FIRST AID

**Swallowed:**

If swallowed do not induce vomiting, but wash out the mouth, and give the patient plenty of water to drink.

**Eye:**

In the event of eye contact, irrigate the eyes thoroughly with plenty of fresh, clean water. In severe cases, seek medical advice without delay.

**Skin:**

If skin contact occurs, thoroughly wash the affected area with soap and water. If irritation soreness, pain or other skin problems occur, seek medical advice.

**Inhaled:**

If irritation occurs, move the patient to fresh air. In cases of inflammation, seek medical advice.

### The National Poisons Information Centre

**DUNEDIN (03) 474 7000 if Urgent (03) 479 1200 during work hours**

### PRECAUTIONS FOR USE

#### EXPOSURE STANDARDS (Dept of Labour Workplace Exposure Standards 1992)

Total inhalable dust – 10 mg/m<sup>3</sup> 8 hour time weighted average. Respirable dust – 5 mg/m<sup>3</sup> 8 hour time weighted average.

#### VENTILATION

Dust can cause irritation. Use in well ventilated areas, or install dust extraction systems to carry dust away from operatives.

**PERSONAL PROTECTIVE MEASURES****Respiratory:**

Avoid ingestion by taking sensible precautions, where airborne dust is present wear a dust mask.

**Hand:**

Gloves MUST be worn, that are effective at keeping out cement powder or water/cement.

**Eye:**

Goggles MUST be worn, whenever there is a risk of cement powder or water/cement mixes, entering the eyes.

**Clothing:**

Protective clothing MUST be worn, that is effective at keeping out cement dust and water.

**Hygiene Methods:**

Whenever airborne cement powder is present, dust masks MUST be worn, particularly if the exposure is prolonged.

**Flammability:**

Not Applicable.

**SAFE HANDLING INFORMATION****STORAGE AND TRANSPORT:**

No special requirements necessary, but keep dry.

**SPILLS AND DISPOSAL:**

Treat as a common mess. Sweep up and clear up the powder with a broom, dustpan and brush, and dispose of sensibly. Wear protective clothing. The use of water is not recommended.

**FIRE/EXPLOSION HAZARD:**

Not Applicable.

**SUITABLE EXTINGUISHERS:**

Not Applicable.

**HAZARDOUS COMBUSTION:**

Not Applicable.

**SPECIAL EQUIPMENT FOR FIRE FIGHTING:**

Not Applicable.

**OTHER INFORMATION:**

MSDS's on other Rockbond products are available from Rockbond SCP.

**CONTACT POINT:**

In emergency, or after hours contact a Doctor or the National Poisons Centre.

**IMPORTANT NOTE:** Rockbond SCP MSDS was prepared as laid out in the booklet "Guidelines for the Preparation of Material Safety Data Sheets" issued by O.S.H and Dept of Labour, 1995.

The above information is based on the present state of our knowledge of the product at the time of publication. It is given in good faith, no warranty is implied with respect to the quality or the specification of the product. The user must satisfy himself that the product is entirely suitable for his purpose.

Approved: Manager.....



.....OCT 2012