



# Material Safety Data Sheet

Infosafe No. LPT0S Issue Date : December 2005 ISSUED by PARCHEMC

Product Name : FOSROC RENDEROC HB

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

**Product Name** FOSROC RENDEROC HB  
**Company Name** Parchem Construction Products Pty Ltd (ABN 80 069 961 968)  
**Address** 7 Lucca Road Wyong  
NSW 2259 Australia  
**Emergency Tel.** 1800 638 556  
**Telephone/Fax Number** Tel: 02 4350 5000 Fax: 02 4351 2024  
**Recommended Use** Cementitious repair mortar.  
**Other Information** This MSDS summaries at the date of issue our best knowledge of the health and safety hazard information of the product, and in particular how to safely handle and use the product in the workplace. Since Parchem Construction Products Pty Ltd cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this MSDS in the context of how the user intends to handle and use the product in the workplace.  
If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this company. Our responsibility for product as sold is subject to our standard term and conditions, a copy of which is sent to our customers and is also available upon request.  
  
www.parchem.com.au

## 2. HAZARDS IDENTIFICATION

**Hazard Classification** HAZARDOUS SUBSTANCE.  
NON-DANGEROUS GOODS.  
Hazard classification according to the criteria of NOHSC.  
Dangerous goods classification according to the Australia Dangerous Goods Code.  
**Risk Phrase(s)** R36/37/38 Irritating to eyes, respiratory system and skin.  
R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.  
**Safety Phrase(s)** S22 Do not breathe dust.  
S24/25 Avoid contact with skin and eyes.  
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Name	CAS	Proportion
	Crystalline Silica	14808-60-7	30-50 %
	Portland cement	65997-15-1	20-40 %
	Other ingredients determined not to be hazardous		Balance

**Other Information** This product contains crystalline silica (CAS No. 14808-60-7). However, only a small proportion of this is respirable. Long-term inhalation of crystalline silica may lead to adverse health effects and can cause silicosis. May contain less than 8ppm Hexavalent Chromium (VI).

## 4. FIRST AID MEASURES

**Inhalation** Remove victim to fresh air. Encourage victim to cough, spit out and blow their nose to remove dust.  
Ensure airways are clear and have qualified person give oxygen through a face mask if breathing is difficult. If irritation develops and persists, seek medical attention.

**Ingestion** DO NOT induce vomiting. Immediately wash out mouth with water. Seek medical attention.



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Infosafe No. LPT0S Issue Date : December 2005 ISSUED by PARCHEMC

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**Skin** Remove all contaminated clothing. Wash gently and thoroughly with water and non-abrasive soap. Ensure contaminated clothing is washed before re-use or discard. If swelling, redness or blistering occurs get medical attention.

**Eye** If contact with the eye(s) occur, wash with copious amounts of water, holding eyelid(s) open. Take care not to rinse contaminated water into the non-affected eye. Seek medical attention.

**First Aid Facilities** Eye wash and normal washroom facilities.

**Advice to Doctor** Treat symptomatically.

## 5. FIRE FIGHTING MEASURES

**Suitable Extinguishing Media** Use appropriate fire extinguisher for surrounding environment.

**Specific Hazards** The product is non-explosive and non-combustible.

**Hazchem Code** None Allocated

**Precautions in connection with Fire** Fire fighters should wear full protective clothing and self-contained breathing apparatus (SCBA).

## 6. ACCIDENTAL RELEASE MEASURES

**Emergency Procedures** Wear appropriate protective clothing. Avoid generation of dusts. Vacuum, sweep or scoop up material and place into labelled containers for disposal. Wet material should never be washed away. If large quantities of this material enter the waterways contact the Environmental Protection Authority, or your local Waste Management Authority.

## 7. HANDLING AND STORAGE

**Precautions for Safe Handling** Avoid contact with skin and eyes and inhaling dusts. This product contains small amounts of respirable silica. The exposure limit for crystalline silica must be observed when using this product in order to prevent any long-term health effects. Repeated or prolonged exposure with this material should be avoided in order to lessen the possibility of disorders. It is essential that all who come into contact with this material, maintain high standards of personal hygiene ie. washing hands prior to eating, drinking, smoking or going to the toilet. Ensure adequate ventilation in work areas and extraction of dust.

**Conditions for Safe Storage** This material is cementitious and will react with water. Keep product dry to prevent lumping or possible deterioration. Store in a cool, dry, well-ventilated area, out of moisture. Store away from incompatible materials.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**National Exposure Standards** The following National Occupational Health And Safety Commission (NOHSC) exposure limits apply:

Substance	TWA		STEL	
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Portland cement	-	10	-	-
Silica, quartz	-	0.2	-	-
Dust, not otherwise specified	-	10	-	-

**Engineering Controls** Use only in a well ventilated area. Where dust is generated, particularly in enclosed areas, and/or natural ventilation is inadequate, a local exhaust ventilation system is recommended.

**Respiratory Protection** Where sufficient ventilation is not available, avoid breathing dusts by wearing an AS 1716 approved particulate filter respirator; however final choice of appropriate breathing protection is dependant upon actual airborne concentrations and the type of breathing protection required will vary according to individual circumstances. Expert advice may be required to make this decision. Reference should be made to Australian/New Zealand Standards AS/NZS 1715, Selection, Use and maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices.

Infosafe No.	LPT0S	Issue Date : December 2005	ISSUED by PARCHEMC
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<b>Eye Protection</b>	Tight fitting safety goggles recommended as described in Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications. Final choice of appropriate eye/face protection will vary according to individual circumstances including methods of handling or engineering controls as determined by appropriate risk assessments. Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337- Eye Protectors for Industrial Applications.
<b>Hand Protection</b>	Elbow length gloves are recommended. Final choice of appropriate glove type will vary according to individual circumstances, including methods of handling or engineering controls as determined by appropriate risk assessments. Refer to AS/NZS 2161 Occupational protective gloves- Selection, use and maintenance.
<b>Body Protection</b>	Overalls or similar protective apparel should be worn.
<b>Other Information</b>	Biological Limit Values: No biological limit allocated.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Grey powder with fine aggregate
<b>Boiling Point</b>	Not applicable
<b>Specific Gravity</b>	Not available
<b>pH Value</b>	Not available
<b>Vapour Pressure</b>	Not applicable
<b>Flash Point</b>	Not applicable
<b>Flammability</b>	Non combustible material.
<b>Flammable Limits - Lower</b>	Not applicable
<b>Flammable Limits - Upper</b>	Not applicable

## 10. STABILITY AND REACTIVITY

<b>Chemical Stability</b>	Stable. Reacts with water.
<b>Conditions to Avoid</b>	Contamination with water.
<b>Incompatible Materials</b>	Acids.
<b>Hazardous Polymerization</b>	Will not occur.

## 11. TOXICOLOGICAL INFORMATION

<b>Toxicology Information</b>	<p>No toxicology data available for this product. However, for crystalline silica the following data for crystalline silica has been extracted from RTECS - Register of Toxic Effects of Chemical Substances:</p> <p>TOXICITY</p> <p>Inhalation (human) LCLo: 0.3mg/m<sup>3</sup>/10Y</p> <p>Inhalation (human) TCLo: 16mppcf/8H/17.9Y</p> <p>- Intermittent; focal fibrosis, (pneumoconiosis), cough, dyspnoea</p> <p>Inhalation (rat) TCLo: 50mg/m<sup>3</sup>/6H/71W</p> <p>- Intermittent; liver - tumours.</p> <p>WARNING: For inhalation exposure ONLY:</p> <p>Crystalline Silica (respirable size) has been classified by the IARC as Group 1 CARCINOGENIC TO HUMANS.</p> <p>NOTE: The physical nature of quartz in the product determines whether it is likely to present a chronic health problem. To be a hazard the material must enter the breathing zone as respirable particles.</p>
<b>Inhalation</b>	Irritating to nose, throat and respiratory system, causing coughing and sneezing. With repeated or prolonged exposure - as cement may contain traces of crystalline silica - bronchitis, silicosis (scarring of the lungs) and lung cancer may occur. Studies have shown that smoking increases the risk in persons exposed to crystalline silica.
<b>Ingestion</b>	May cause irritation to the mouth, throat and stomach.



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Infosafe No.	LPT0S	Issue Date : December 2005	ISSUED by PARCHEMC
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<b>Skin</b>	Irritating to skin. This may result in itching, redness and blisters. Wet product may cause more severe irritation. May cause an allergic response in some individuals resulting in symptoms such as rash and skin ulcers. This product may also contain small amounts of chromium (VI) compounds. Chromium (VI) compounds may cause skin sensitisation.
<b>Eye</b>	A severe eye irritant. This can result in watering of eyes and a painful, burning feeling in the eyes. Eye contact with large amounts of dust or wet product, particularly when prolonged, may cause more severe irritation plus possible chemical burns and permanent corneal damage.
<b>Chronic Effects</b>	Harmful: danger of serious damage to health by prolonged exposure through inhalation. Repeated or prolonged skin contact may cause dryness and cracking of the skin. In the long term this can result in irritant contact dermatitis. Prolonged skin contact may also cause chemical burns. Crystalline Silica (respirable size) has been classified by the IARC as Group 1 CARCINOGENIC TO HUMANS. Inhalation of free respirable silica may cause silicosis or other serious delayed lung injury.

Once product is mixed with water, for use, the inhalation exposure to crystalline silica is greatly reduced and this product will no longer be considered an inhalation hazard.

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## 12. ECOLOGICAL INFORMATION

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<b>Ecotoxicity</b>	No data is available for this material.
<b>Persistence / Degradability</b>	No data is available for this material.
<b>Mobility</b>	No data is available for this material.

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## 13. DISPOSAL CONSIDERATIONS

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<b>Disposal Considerations</b>	Dispose of product waste according to relevant local, state and federal government regulations.
<b>Container Disposal</b>	Dispose of containers to land fill waste disposal area according to local requirements.

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## 14. TRANSPORT INFORMATION

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<b>Transport Information</b>	Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.
<b>U.N. Number</b>	None Allocated
<b>Proper Shipping Name</b>	None Allocated
<b>DG Class</b>	None Allocated
<b>Hazchem Code</b>	None Allocated
<b>Packing Group</b>	None Allocated

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## 15. REGULATORY INFORMATION

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<b>Poisons Schedule</b>	Not Scheduled
<b>Hazard Category</b>	Harmful, Irritant

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## 16. OTHER INFORMATION

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<b>Date of preparation or last revision of MSDS</b>	MSDS creation: July 2004 MSDS reviewed: December 2005
<b>Contact Person/Point</b>	Technical Support: 1800 812 864 ...End Of MSDS...