

Infosafe No™ LPT0W	Issue Date : June 2013	ISSUED by PARCHEMC
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Product Name : **FOSROC RENDEROC HB40**

Classified as hazardous

1. Identification

GHS Product Identifier	FOSROC RENDEROC HB40
Company Name	Parchem Construction Supplies Pty Ltd (ABN 80 069 961 968)
Address	7 Lucca Road Wyong NSW 2259 Australia
Telephone/Fax Number	Tel: 02 4350 5000 Fax: 02 4351 2024
Emergency phone number	1800 638 556 (available 24/7)
Recommended use of the chemical and restrictions on use	Cementitious repair mortar
Other Information	<p>This SDS summarises 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 Supplies 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.</p> <p>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 terms and conditions, a copy of which is sent to our customers and is also available upon request.</p> <p>www.parchem.com.au</p>

2. Hazard Identification

GHS classification of the substance/mixture	<p>Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.</p> <p>Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)</p> <p>Classification:</p> <p>Skin Corrosion/irritation, Category 2</p> <p>Serious Eye Damage/irritation, Category 1</p> <p>Specific Target Organ Toxicity, Single Exposure Category 3 (respiratory irritation)</p>
Signal Word (s)	Danger
Hazard Statement (s)	<p>H315 Causes skin irritation.</p> <p>H318 Causes serious eye damage.</p> <p>H335 May cause respiratory irritation.</p>
Pictogram (s)	Corrosion, Exclamation mark



Precautionary statement – Prevention	<p>P101 If medical advice is needed, have product container or label at hand.</p> <p>P102 Keep out of reach of children.</p> <p>P103 Read label before use.</p> <p>P261 Avoid breathing dust/fume/gas/mist/vapours/spray.</p> <p>P264 Wash skin thoroughly after handling.</p> <p>P271 Use only outdoors or in a well-ventilated area.</p> <p>P280 Wear protective gloves/protective clothing/eye protection/face protection.</p>
Precautionary statement – Response	<p>P312 Call a POISON CENTER/doctor if you feel unwell.</p> <p>INHALATION:</p> <p>P304+P340 IF INHALED: Remove to fresh air and keep at rest in a position</p>

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comfortable for breathing.

EYES:
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER or doctor/physician

SKIN:
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P332+P313 If skin irritation occurs: Get medical advice/ attention
P362 Take off contaminated clothing and wash before re-use.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.
P501 Dispose of contents/container to an approved waste disposal plant.

Precautionary statement – Storage

Precautionary statement – Disposal

3. Composition/information on ingredients

Ingredients	Name	CAS	Proportion
	Crystalline Silica (Quartz)	14808-60-7	30-60 %
	Portland cement	65997-15-1	30-60 %
	Calcium oxide	1305-78-8	<5 %
	Ingredients determined		Balance
	not to be hazardous.		
Other Information	Contains >10% respirable crystalline silica in the product. May contain less than 20ppm Hexavalent Chromium (VI).		

4. First-aid measures

Inhalation	If inhaled, remove from contaminated area. Apply artificial respiration if not breathing. Seek medical attention.
Ingestion	DO NOT induce vomiting. Wash out mouth with water. Seek medical attention.
Skin	Wash affected area thoroughly with soap and water. Remove contaminated clothing and wash before reuse or discard. Seek medical attention.
Eye contact	If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes. Seek immediate medical attention.
First Aid Facilities	Eye wash, safety shower and normal washroom facilities.
Advice to Doctor	Treat symptomatically.
Other Information	For advice, contact a Poisons Information Centre (Phone eg Australia 131 126; New Zealand 0800 764 766) or a doctor (at once).

5. Fire-fighting measures

Suitable extinguishing media	Use appropriate fire extinguisher for surrounding environment.
Hazards from Combustion Products	Non combustible material.
Specific hazards arising from the chemical	Non-combustible solid.
Decomposition Temp.	Not available
Precautions in connection with Fire	Fire fighters should wear Self-Contained Breathing Apparatus (SCBA) operated in positive pressure mode and full protective clothing to prevent exposure to vapours or fumes. Water spray may be used to cool down heat-exposed containers.

6. Accidental release measures

Emergency Procedures	Increase ventilation. Evacuate all unprotected personnel. Wear sufficient respiratory protection and full protective clothing to prevent exposure. Sweep up material avoiding dust generation or dampen spilled material with water to avoid airborne dust, then transfer material to a suitable container. Wash
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surfaces well with soap and water. Seal all wastes in labelled plastic containers for subsequent recycling or disposal. Dispose of waste according to the applicable local and national regulations. If contamination of sewers or waterways occurs inform the local water and waste management authorities in accordance with local regulations.

7. Handling and storage

Precautions for Safe Handling	Use only in a well ventilated area. Keep containers sealed when not in use. Prevent the build up of dust in the work atmosphere. Avoid inhalation of dust, and skin or eye contact. Maintain high standards of personal hygiene i.e. Washing hands prior to eating, drinking, smoking or using toilet facilities.
Conditions for safe storage, including any incompatibilities	Store in a cool, dry, well-ventilated area, out of direct sunlight and moisture. Store in labelled, corrosion-resistant containers. Keep containers tightly closed. Store away from bases, water and other incompatible materials. Have appropriate fire extinguishers available in and near the storage area. Ensure that storage conditions comply with applicable local and national regulations.

8. Exposure controls/personal protection

Occupational exposure limit values	No exposure value assigned for this specific material by Safe Work, Australia. However, over-exposure to any chemical may result in enhancement of pre-existing adverse medical conditions and/or allergic reactions and should be kept to the least possible levels. The available exposure limits for ingredients are listed below:
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Safe Work, Australia Exposure Standards:

Substance	TWA		STEL		NOTICES
	ppm	mg/m ³	ppm	mg/m ³	
Crystalline silica (Quartz)	-	0.1	-	-	-
Dust (inspirable fraction)	-	10	-	-	-
Calcium oxide	-	2	-	-	-

TWA (Time Weighted Average): The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day week.

STEL (Short Term Exposure Limit): The average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight-hour workday.

Biological Limit Values	No biological limit allocated.
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Appropriate engineering controls	Provide sufficient ventilation to keep airborne levels below the exposure limits. Where dusts are generated, particularly in enclosed areas, and natural ventilation is inadequate, a local exhaust ventilation system is required.
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Respiratory Protection	If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable dust/particulate filter should be used. 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, in order to make any necessary changes for individual circumstances.
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Eye Protection	Safety glasses with side shields, goggles or full-face shield as appropriate should be used. Final choice of appropriate eye/face protection will vary according to individual circumstances i.e. methods of handling or engineering controls and according to risk assessments undertaken. Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.
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Hand Protection	Wear gloves of impervious material. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken. Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.
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Body Protection	Suitable protective work wear, e.g. cotton overalls buttoned at neck and wrist is recommended. Chemical resistant apron is recommended where large quantities are handled.
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9. Physical and chemical properties

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Appearance	Grey powder with fine aggregate
Odour	Odourless
Decomposition Temperature	Not available
Melting Point	Not applicable
Boiling Point	Not applicable
Solubility in Water	Insoluble. Cement component reacts with water.
Specific Gravity	1.27 (23°C)
pH	Not available
Vapour Pressure	Not applicable
Vapour Density (Air=1)	Not applicable
Evaporation Rate	Not available
Odour Threshold	Not available
Viscosity	Not available
Partition Coefficient: n-octanol/water	Not available
Flash Point	Not applicable
Flammability	Non-combustible
Auto-Ignition Temperature	Not applicable
Explosion Limit - Upper	Not applicable
Explosion Limit - Lower	Not applicable

10. Stability and reactivity

Reactivity	Reacts with incompatible materials.
Chemical Stability	Stable under normal conditions of handling and storage.
Conditions to Avoid	Extremes of temperature and direct sunlight.
Incompatible Materials	Contact with water should be avoided. Wet portland cement is alkaline. As such, it is incompatible with acids, ammonium salts and aluminium metal.
Hazardous Decomposition Products	Thermal decomposition may result in the release of toxic and/or irritating fumes.
Possibility of hazardous reactions	Unintended contact with water should be avoided. Reaction with water will result in hydration and produces (caustic) calcium hydroxide.
Hazardous Polymerization	Will not occur.

11. Toxicological Information

Toxicology Information	No toxicity data available for this material.
Ingestion	Ingestion of this product may cause nausea, vomiting, abdominal pain and chemical burns to the mouth, throat and stomach.
Inhalation	May cause respiratory irritation. Inhalation of product dusts may cause irritation of the nose, throat and respiratory system, coughing and sneezing. Exposure by inhalation may aggravate pre-existing upper respiratory and lung disorders such as bronchitis, emphysema and asthma.
Skin	Causes skin irritation. 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. Repeated or prolonged skin contact may cause dryness and cracking of the skin which can

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Eye	lead to dermatitis. Causes serious eye damage. Eye contact will cause stinging, blurring, tearing, severe pain and possible permanent corneal damage.
Respiratory sensitisation	Not expected to be a respiratory sensitiser.
Skin Sensitisation	Not expected to be a skin sensitiser. However, allergic contact dermatitis may occur in some individuals due to the presence of trace amounts of hexavalent chromate in cement.
Germ cell mutagenicity	Not considered to be a mutagenic hazard.
Carcinogenicity	Product contains crystalline silica. Crystalline Silica (respirable size $\leq 7 \mu\text{m}$) has been classified by the International Agency for Research on Cancer (IARC) as Carcinogenic to Humans (Group 1).
Reproductive Toxicity	Not considered to be toxic to reproduction.
STOT-single exposure	May cause respiratory irritation.
STOT-repeated exposure	Not expected to cause toxicity to a specific target organ through repeated or prolonged exposure.
Aspiration Hazard	Not expected to be an aspiration hazard.
Other Information	Repeated exposure to respirable crystalline silica dust may lead to silicosis, or other serious delayed lung injury. The onset of silicosis is usually slow and lung damage may occur even when no symptoms or signs of ill-health have occurred. Silicosis can develop to a more serious degree even after exposure has ceased, and may also lead to other diseases including heart disease and scleroderma. Exposure by inhalation may aggravate pre-existing upper respiratory and lung disorders such as bronchitis, emphysema and asthma. Once product is mixed with water, during use, inhalation exposure to crystalline silica is greatly reduced and this product is no longer considered an inhalation hazard.

12. Ecological information

Ecotoxicity	No ecological data available for this material.
Persistence and degradability	Not available
Mobility	Not available
Bioaccumulative Potential	Not available
Environmental Protection	Do not allow product to enter drains, waterways or sewers.

13. Disposal considerations

Disposal Considerations	Dispose of waste according to applicable local and national regulations.
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14. Transport information

Transport Information	Road and Rail Transport (ADG Code): Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code) (7th edition). Marine Transport (IMO/IMDG): Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea. Air Transport (ICAO/IATA): Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.
IMDG Marine pollutant	No

15. Regulatory information

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Regulatory Information	Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia. Not classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).
Poisons Schedule	Not Scheduled
AICS (Australia)	All components of this product are listed on the Australian Inventory of Chemical Substances (AICS) or exempted.

16. Other Information

Date of preparation or last revision of SDS	SDS reviewed: June 2013 Supersedes: October 2010
Literature References	Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice. Standard for the Uniform Scheduling of Medicines and Poisons. Australian Code for the Transport of Dangerous Goods by Road & Rail. Model Work Health and Safety Regulations, Schedule 10: Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals. Workplace exposure standards for airborne contaminants, Safe work Australia. American Conference of Industrial Hygienists (ACGIH). Globally Harmonised System of classification and labelling of chemicals.
Contact Person/Point	Technical Support: 1800 812 864 ...End Of MSDS...

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