



Material Safety Data Sheet

Infosafe No. LPT6Q Issue Date : August 2004 ISSUED by PARCHEMC

Product Name : FOSROC CONBEXTRA HES

Classified as hazardous according to criteria of NOHSC

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Product Name FOSROC CONBEXTRA HES
Product Use Cement based high early strength grout.
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 Number/Fax Tel: 02 4350 5000 Fax: 02 4351 2024
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.

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2. COMPOSITION/INFORMATION ON INGREDIENTS

Composition, information on ingredients Crystalline silica as quartz contains a small proportion of respirable crystalline silica and provided reasonable precautions (respiratory protection) are taken this product is safe to handle.

Ingredients	Name	CAS	Proportion
	Sand (crystalline quartz)	14808-60-7	60-100 %
	Calcium aluminate cement	65997-16-2	10-30 %
	Portland cement	65997-15-1	1-10 %
	Fly Ash	68131-74-8	1-10 %
	Ingredients determined to be non-hazardous or below cut-off concentrations	n.a.	to 100%

3. HAZARDS IDENTIFICATION

Classified as Hazardous according to the criteria of the NOHSC.
Not classified as dangerous goods according to the ADG Code.
RISK PHRASES:
Irritating to eyes, respiratory system and skin.
May cause cancer by inhalation.
SAFETY PHRASES:
Do not breathe dust.
Wear suitable protective clothing, gloves and eye/face protection.
If insufficient ventilation, wear suitable respiratory equipment.

4. FIRST AID MEASURES

Inhalation Remove patient (while wearing SCBA if concentrations are high) to fresh air. Allow to rest. Rinse mouth and nose with water. Provide artificial respiration if breathing stops. Seek prompt medical attention unless recovery is virtually immediate.
Ingestion Do not induce vomiting. Rinse mouth out with water. If symptoms persist seek prompt medical attention.
Skin Remove contaminated clothing. Wash affected area with soap and water for at least 10 minutes. If symptoms persist seek medical assistance.



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Eye Immediately: Hold eyelids open and flush eye for 15 minutes with water. Ensure inside of eyelid is flushed. If symptoms persist seek prompt medical attention.

First Aid Facilities Provide normal industrial first aid facilities including eye-wash stations and safety showers as appropriate.

Advice to Doctor Treat symptomatically.

Other Information Note: If ANY adverse reaction occurs transport IMMEDIATELY to hospital or doctor.

5. FIRE FIGHTING MEASURES

Extinguishing Media Select to suit surrounding fire.

Specific Methods Contain run-off water for later collection and controlled disposal.

Precautions in connection with Fire Wear SCBA and full turn out clothing. Avoid bodily contact with substance or run-off.

6. ACCIDENTAL RELEASE MEASURES

Spills & Disposal Prevent material entering drains or waterways. Wear dust mask. Sweep or vacuum up without creating dust clouds. Collect into clean, dry containers. Fit lids, label and place in a safe area to await disposal. Thoroughly ventilate area before re-starting work. Disposal must be in accordance with local regulations.

7. HANDLING AND STORAGE

Handling Avoid generation or accumulation of dusts. Use local exhaust extraction.

Storage Keep in dry, cool and well-ventilated area as water contact will initiate set.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Exposure Limits No exposure standards have been established for this material by the National Occupational Health & Safety Commission (NOHSC). However, exposure standards for ingredients are stated below:

Substance	TWA	STEL	NOTICES
Crystalline Silica	0.2 mg/m3	0.7mg/m3	Cat 1 Carcinogen

Other Exposure Information TWA - the Time-Weighted Average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life. 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.

According to current knowledge these concentrations should neither impair the health of, nor cause undue discomfort to, nearly all workers. These Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. Exposure Standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

Respiratory Protection Where dust is generated, and exposure levels do not exceed ten times the Workplace Exposure Standards, a half face piece respirator fitted with a P1 filter complying with AS/NZS 1715 and AS/NZS 1716 is recommended. Where exposure levels do exceed ten times the Workplace Exposure Standard, then a full face-piece respirator fitted with a P2/P3 filter, or a powered air-supplied respirator fitted with a P2 filter, should be used. Reference should be made to Australian 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. Filter capacity and respirator type depends on exposure levels. Particulate filter classification and respirator type depends on the type of particulate i.e. dust or fume and the exposure levels. Final choice of appropriate respiratory protection will vary according to individual circumstances. This can include methods of handling, and engineering controls as determined by appropriate risk assessments.

Eye Protection Safety glasses with side shields or goggles should be worn as described in Australian Standard AS/NZS 1337 - Eye Protectors for Industrial Applications. Final choice of appropriate eye/face protection will vary according to individual circumstances.



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Hand Protection	Wear gloves of impervious material conforming to AS/NZS 2161: Occupational protective gloves - Selection, use and maintenance. Final choice of appropriate glove type will vary according to individual circumstances. This can include methods of handling, and engineering controls as determined by appropriate risk assessments. Advice should be sought from appropriate glove manufacturers in order to ensure gloves are correct for application.
Body Protection	Suitable workwear should be worn to protect personal clothing, eg cotton overalls buttoned at neck and wrist. Dusty clothing should be laundered before reuse. Use precautionary measures to avoid creating dust when removing or laundering clothes
Eng. Controls	Use in well ventilated areas. In confined spaces the use of local exhaust ventilation system is recommended. Air concentrations of components should be controlled as low as possible. Keep containers closed when not in use.
Hygiene Measures	Ensure a high level of personal hygiene is maintained when using this product. Always wash hands before eating, drinking, smoking or using the toilet.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Brown/Grey powder with fine aggregate.
Odour	Cementitious.
Melting Point	Not determined
Boiling Point	Not applicable
Solubility in Water	Insoluble, but reacts slowly with water to cure.
Specific Gravity (H2O=1)	Not determined
Vapour Pressure	Not determined
Volatile Component	Nil
Flash Point	Non-combustible

10. STABILITY AND REACTIVITY

Stability	Stable.
Hazardous Polymerization	Does not occur.
Hazardous Decomposition Products	Minor ingredients could produce oxides of carbon or nitrogen in a fire.

11. TOXICOLOGICAL INFORMATION

Toxicology Information	No toxicity data is available for this specific product, however toxicity data found for constituents are stated below: Crystalline silica is classified as a Class 1 Human Carcinogen according to IARC (International Agency for Research on Cancer), however the NATIONAL OCCUPATIONAL HEALTH & SAFETY COMMISSION NOHSC) has yet to classify crystalline silica as a human carcinogen. 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 to fine dust (respirable crystalline silica dust) contained in the products must be prevented to avoid risk of lung disease.
Inhalation	Will irritate respiratory tract and may cause coughing and sneezing. Prolonged exposure to high dust concentrations may cause serious pulmonary disorders.
Ingestion	Ingestion of this product may irritate the gastric tract, causing nausea and vomiting.
Skin	May cause irritation resulting in redness, itching and dermatitis particularly when combined with water, or on wet skin.
Eye	Will irritate eyes and may cause minor burns if left in contact.

12. ECOLOGICAL INFORMATION



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Environ. Protection	Not expected to create environmental hazards unless dumped in massive quantity.
Mobility	Not available.
Persistence / Degradability	Not available.
Bioaccumulation	Not available.
Ecotoxicity	Not available.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Disposal should be in accordance with the relevant local, state and federal government regulations.

14. TRANSPORT INFORMATION

CORRECT SHIPPING NAME: Not allocated.

ADG U.N. Number	None Allocated
ADG Proper Shipping Name	None Allocated
ADG DG Class	None Allocated
ADG Hazchem Code	None Allocated
ADG Packing Group	None Allocated
Storage and Transport	Keep in dry, cool and well-ventilated area as water contact will initiate set. No regulatory requirements apply to the transport of this product.

15. REGULATORY INFORMATION

Risk Phrase	R36/37/38 Irritating to eyes, respiratory system and skin. R49(2) May cause cancer by inhalation.
Safety Phrase	S22 Do not breathe dust. S36/37/39 Wear suitable protective clothing, gloves and eye/face protection. S38 If insufficient ventilation, wear suitable respiratory equipment.
Poisons Schedule	Not Scheduled
Hazard Category	Toxic, Irritant

16. OTHER INFORMATION

Contact Person/Point	Technical Support: 1800 812 864
SDS History	MSDS Creation: August 2004 ...End Of MSDS...