

Material Safety Data Sheet

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Infosafe No™ LPVG0 Issue Date : May 2011 ISSUED by ECOCEMPT

Product Name **ECOCEM**

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name ECOCEM
Product Code ECO004
Company Name Ecocem Pty Ltd (ABN 11 085 482 382)
Address PO Box 234 Warrawong NSW 2502, Australia (Post)
2 Product Berth Road Port Kembla NSW 2505, Australia (Delivery)
Emergency Tel. 0408 201 634
Telephone/Fax Number Tel: (02) 4225 7191
Fax: (02) 4225 7742
Recommended Use AS A COMPONENT FOR PRODUCTION OF SPECIAL CEMENTS, MORTARS, GROUTS AND CONCRETES.

2. HAZARDS IDENTIFICATION

Hazard Classification Classified as Hazardous according to criteria of Safe Work Australia (previously known as National Occupational Health & Safety Commission, Australia (NOHSC)).
Not classified as Dangerous Goods for transport according to the New Zealand Standard NZS 5433:2007 Transport of Dangerous Goods on Land.

Risk Phrase(s) R36/37/38 Irritating to eyes, respiratory system and skin.

Safety Phrase(s) S22 Do not breathe dust.
S24/25 Avoid contact with skin and eyes.
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Information on Composition Bulk Fraction Quartz analysis by Fourier Transform Infrared (FTIR) Spectroscopy was performed on a sample of this product. The results showed Alpha quartz was not detected at the limit of detection <0.5% w/w. (Respirable fraction of dust was not analysed, as bulk quartz was not detected.)

Ingredients

<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
Ground Granulated Blast Furnace Slag	65997-69-5	90-100 %
Ground Gypsum	13397-24-5	<10 %

4. FIRST AID MEASURES

Inhalation If inhaled, remove from contaminated area. Apply artificial respiration if not breathing. If symptoms develop seek medical attention.

Ingestion Do NOT induce vomiting. Wash out mouth with water and give plenty of water to drink. If symptoms develop seek medical attention.

Skin Wash affected area thoroughly with soap and water. Remove contaminated clothing and wash before reuse or discard. If symptoms develop seek medical attention.

Eye If in eyes, hold eyelids apart and flush the eyes continuously with running water. Continue flushing for several minutes until all contaminants are washed out completely. Seek medical attention.

First Aid Facilities Eyewash and normal washroom facilities.

Advice to Doctor Treat symptomatically.

Other Information For advice in an emergency, contact a Poisons Information Centre (Phone Australia 13 1126) 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.

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Product Name **ECOCEM****Specific Hazards** Non-combustible material.**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 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 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

National Exposure Standards No exposure standards have been established for this material, however, the TWA Safe Work Australia exposure standard for dust not otherwise specified is 10 mg/m³.
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.**Biological Limit Values** No biological limits allocated.**Engineering Controls** Use with good general ventilation. If dusts are produced local exhaust ventilation should be used.**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.**Eye Protection** Safety glasses with side shields or chemical goggles should be worn. Final choice of appropriate eye/face protection will vary according to individual circumstances. Eye protection devices should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.**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.**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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Fine white powder.**Odour** Not available**Melting Point** >1200°C

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Boiling Point	Not available
Solubility in Water	<10 g/L
Specific Gravity	2.8-3.2
pH Value	11.0
Vapour Pressure	Not applicable
Vapour Density (Air=1)	Not available
Density	Bulk density: 950-1600 kg/m ³
Flash Point	Not applicable
Flammability	Non-combustible
Auto-Ignition Temperature	Not applicable
Flammable Limits - Lower	Not applicable
Flammable Limits - Upper	Not applicable

10. STABILITY AND REACTIVITY

Chemical Stability	Stable under normal conditions of storage and handling.
Conditions to Avoid	Extremes of temperature and direct sunlight. Dust accumulation.
Incompatible Materials	Not available
Hazardous Decomposition Products	Thermal decomposition may result in the release of toxic and/or irritating fumes.
Hazardous Polymerization	Will not occur.

11. TOXICOLOGICAL INFORMATION

Toxicology Information	Not available
Inhalation	Irritating to respiratory system. Inhalation of product dusts will cause irritation of the nose, throat and respiratory system.
Ingestion	Ingestion of this product may irritate the gastric tract causing nausea and vomiting.
Skin	Irritating to skin resulting in redness and itching.
Eye	Irritating to eyes. On eye contact this product will cause tearing, stinging, blurred vision, and redness.
Chronic Effects	Prolonged or repeated exposure to this material may result in skin irritation and in irritation to the eyes and respiratory tract. Although not detected during testing (Alpha quartz was not detected at the limit of detection less than 0.5% w/w) - This product may contain traces of respirable crystalline silica, hence bronchitis, silicosis (scarring of the lungs) may occur.
Carcinogenicity	This product may contain traces of crystalline silica. Respirable crystalline silica has been classified by International Agency for Research on Cancer (IARC) as carcinogenic to humans by inhalation (Group 1).

12. ECOLOGICAL INFORMATION

Ecotoxicity	No data available for this material.
Persistence / Degradability	No data available for this material.
Mobility	Not available
Environ. Protection	Prevent this material entering waterways, drains and sewers.

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13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORT INFORMATION

Transport Information Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

15. REGULATORY INFORMATION

Regulatory Information Classified as Hazardous according to criteria of Safe Work Australia.
Not classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

Poisons Schedule Not Scheduled

Hazard Category Irritant

16. OTHER INFORMATION

Date of preparation or last revision of MSDS MSDS Reviewed: May 2011
Supersedes: May 2006

...End Of MSDS...

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