

SAFETY DATA SHEET

Cement Grade Limestone

Section 1: Identification of the Material and Supplier

Company Details

Cement Australia Pty Limited

ABN 75 104 053 474

18 Station Avenue
Darra, Queensland 4076Tel: 1300 CEMENT (1300 236 368)
Fax: 1800 CEMENT (1800 236 368)
Website: www.cementaustralia.com.au

Emergency Contact Number:

Contact Person: Technical Manager
Telephone: 1300 CEMENT (1300 236 368 - Business Hours) or
Poisons Information Centre 13 11 26

Manufacturing Plants

Gladstone:
Railton:Landing Rd, Fisherman's Landing, Gladstone QLD 4680
Cement Works Rd, Railton, TAS 7305

Product

Name: Limestone

Other Names: Calcium Carbonate, Crushed limestone, Agricultural lime, Calcite

Use: Portland Cement mineral addition, construction material, soil treatment, acid neutralisation, agricultural applications

Section 2: Hazards Identification

Not Classified as Hazardous according to NOHSC criteria

Not Classified as a Dangerous Good by the criteria of the ADG Code

UN Number: None allocated
DG Class: None allocated
Hazchem Code: None allocated
Subsidiary Risk(s): None allocated
Pkg Group: None allocated
EPG: None allocated

Section 3: Composition/Information on Ingredients

Chemical Entity	Formula	Conc.	CAS Number
Silica, Crystalline - Quartz	Si-O2	<10%	14808-60-7
Calcium Carbonate	Ca-C-O3	>60%	1317-65-3
Clay	Not Available	<10%	Not Available

For more information call 1300 CEMENT (1300 236 368)
or visit www.cementaustralia.com.au*Mix it with the best.*

Section 4: First Aid Measures

Swallowed:	Rinse mouth and lips with water. Do not induce vomiting. Give 1 -2 large glasses of water or milk. Never give liquids to an unconscious person. Seek urgent medical attention.
Eyes:	Flush immediately with large amounts of water, lifting the lower and upper lids occasionally. Seek medical attention.
Skin:	Wash affected area thoroughly with soap and water. Seek medical aid.
Inhaled:	Remove from exposure. If breathing is difficult or has stopped, administer artificial respiration or oxygen as indicated. Immediately seek medical aid.
First Aid Facilities:	Eye wash station. Washing facilities with running water.

Section 5: Fire Fighting Measures

Flash Point:	N/A
Hazchem Code:	None allocated
Flammable Limits:	N/A
Extinguishing Media:	Considered non-combustible. Use media appropriate for surrounding fire.
Hazards from Combustion Products:	None
Special Fire Fighting Procedures:	There are no unusual fire and explosion hazards. It has and is used to prevent explosions and fires in coal mines.
Unusual Fire and Explosion Hazards:	Not combustible. Excessive dust generation creates a potential explosion hazard.

Section 6: Accidental Release Measures

Spills:	If spilt (bulk), wear dust-proof goggles, PVC/rubber gloves and a Class P1 (Particulate) respirator. Absorb with moist sand or similar and place in sealable containers for disposal.
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Section 7: Handling and Storage

Handling:	When supplied in bags these need to be handled in accordance with manual handling Code of Practice.
Storage:	Protect from moisture to prevent hardening. Storage of product may be in concrete silos, steel bins, or plastic lined multi-ply paper bags.

Section 8: Exposure Controls/Personal Protection

Exposure Limits:	National Occupational Health & Safety Commission (NOHSC) Australia Occupational Exposure Standard:
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Exposure to dust should be kept as low as practicable, and below the following OES.
Crystalline silica (quartz): 0.1 mg/m³ TWA as respirable dust (≤7 microns particle equivalent aerodynamic diameter).

Engineering Controls:	All work with dry product should be carried out in such a way as to minimise dust generation, exposure to dust and repeated or extended skin contact. When handling dry, use local mechanical ventilation should be used to control worker exposure to below recommended Permissible Exposure Levels (PEL). For bulk deliveries, closed pumping systems are recommended. For handling of individual bags, follow instructions below if no local exhaust ventilation is available. Local dust extraction and collection may be used, if necessary, to control airborne dust levels. Work methods and engineering should aim to minimise contact with wet product onto exposed skin because of the cement content. Work areas should be cleaned regularly.
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Section 8: Exposure Controls/Personal Protection (Cont'd)

Personal Protection

Skin:	Clean, body-covering clothing should be worn to prevent irritation in situation where direct contact with product may occur or dust levels are excessive.
Eyes:	Employees should be required to wear chemical safety splash goggles in situations where direct contact with the product may result in eye injury.
Respiratory:	Appropriate respiration selection depends on the type and magnitude of exposure.

Section 9: Physical and Chemical Properties

Appearance:	Crushed stone up to 40mm
Odour:	No distinctive odour
Boiling Point:	Not applicable
Melting Point:	2570°C CaO / 2800° F MgO
Vapour Pressure:	Not applicable
Vapour Density:	Not applicable
pH:	Not applicable
Evaporation Rate:	Not applicable
Solubility In Water:	Negligible
Particle Size:	Up to 40mm

Section 10: Stability and Reactivity

Chemical Stability:	Chemically stable
Incompatibility:	Acids, Chlorinated Phenols + Potassium Nitrate, Maleic Anhydride, Nitroparaffins and Phosphorus
Hazardous Decomposition or By-Products:	None expected
Conditions to avoid:	Will not occur
Hazardous Polymerization:	N/A

Section 11: Toxicological Information

Swallowed:	Rinse mouth and lips with water. Do not induce vomiting. Give milk, egg whites, or water to drink. Seek medical attention.
Eyes:	May cause irritation and conjunctivitis. Flush with large amounts of water for at least 15 minutes, while rolling eyeball and lifting eyelid. Get medical attention. Seek medical attention.
Skin:	May cause irritation, particularly on damp skin. Repeated or prolonged contact could lead to dermatitis. Wash affected area with mild soap and water.
Inhaled:	Over exposure may produce irritation of the mucous membranes, nose, throat, coughing and shortness of breath. In addition it may contain small amounts of silica particles less than 5mm in diameter. These silica particles are capable of causing silicosis if inhaled in high enough concentrations over an extended period of time. The principal manifestation of silicosis is difficulty in breathing. This condition can progress to dry cough, shortness of breath on exertion, decreased lung function and pulmonary fibrosis.
Effects of Overexposure	As sold, this product is not anticipated to pose an acute or significant health hazard. However, if subjected to dust generating processes, adverse health effects may occur. Calcium oxide is caustic to living tissue. Overexposure may cause irritation of the eyes, skin, and upper respiratory tract. Inflammation of the respiratory tract; ulceration and perforation of the nasal septum, bronchitis and pneumonia have also been attributed to inhalation of calcium oxide dust. Eye contact may cause conjunctivitis, corneal ulceration. Skin contact may cause skin inflammation and ulceration. Medical Conditions Aggravated by Exposure: Chronic disease and disorders of the respiratory system and skin.

Section 12: Ecological Information

Ecotoxicity:	Product forms a weak alkaline slurry when mixed with water.
Persistence and Degradability:	Product is persistent and would have a low degradability.
Mobility:	A low mobility would be expected in a landfill situation.

Section 13: Disposal Considerations

Limestone can be treated as a common waste for disposal or dumped into a landfill site in accordance with local authority guidelines.

Keep material out of storm water and sewer drains.

Measures should be taken to prevent dust generation during disposal, and exposure and personal precautions should be observed (see above).

Section 14: Transport Information

UN Number:	None allocated
Proper Shipping Name:	None allocated
Class and Subsidiary Risk:	None allocated
Packing Group:	None allocated
Special precautions for user:	Avoid generating and breathing dust
Hazchem Code:	None allocated

Section 15: Regulatory Information

Limestone is not classified as Dangerous Goods or Hazardous.

Section 16: Other Information

For further information on this product contact:	Telephone: 1300 CEMENT (1300 236 368 - Business Hours)
	Facsimile: 1800 CEMENT (1800 236 368)

Next Review Date for this MSDS: 31 December 2020.

Australian and New Zealand Standards:

AS 2161: Industrial Safety Gloves and Mittens (excluding electrical and medical gloves).
AS/NZ 1336: Recommended Practices for Occupational Eye Protection.
AS/NZS 1715: Selection, use and maintenance of respiratory protective devices.
AS/NZS 1716: Respiratory protective devices.
AS/NZS 4501: Occupational protective clothing.

Advice Note:

Cement Australia believes the information in this document to be accurate as at the date of preparation noted below, but, to the maximum extent permitted by law, Cement Australia accepts no responsibility for any loss or damage caused by any person acting or refraining from action because of this information.

The provision of this information should not be construed by anyone as a recommendation to use this product. In particular, no one should use any product in violation of any patent or other intellectual proprietary rights or in breach of any statute or regulation.

Users should rely on their own knowledge and inquiries and make their own determination as to the applicability of this information in relation to their particular purposes and specific circumstances. Each user should read this MSDS and consider the information in the context of how the product will be handled and used in the workplace and in conjunction with other substances or products.