

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 4076**Tel:** 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:

Landing Rd, Fisherman's Landing, Gladstone QLD 4680

Railton:

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

Hazardous Substance. Non-dangerous Goods

Carcinogenicity: Category 1**Specific Target Organ Toxicity (Repeated Exposure):** Category 2

DANGER

Hazard statements

H350 May cause cancer by inhalation.

H373 May cause damage to organs through prolonged or repeated exposure.

Prevention statements

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P281 Use personal protective equipment as required.

Response statements

P308 + P313 IF exposed or concerned: Get medical advice/ attention.

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

Storage statements

P405 Store locked up.

Disposal statements

P501 Dispose of contents/container in accordance with relevant regulations.

2.3 Other hazards

No information provided.

Section 3: Composition/Information on Ingredients

Chemical Entity	Formula	Conc.	CAS Number
Silica, Crystalline - Quartz	Si-O ₂	<10%	14808-60-7
Calcium Carbonate	Ca-C-O ₃	>60%	1317-65-3
Clay	Not Available	<10%	Not Available

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 standards

No exposure standards have been entered for this product.

Ingredient	Reference	TWA		STEL	
		ppm	mg/m ³	ppm	mg/m ³
Aluminium & compounds	SWA [Proposed]	--	1	--	--
Aluminium oxide	SWA [AUS]	--	10	--	--
Calcium carbonate (Limestone, Marble)	SWA [AUS]	--	10	--	--
Iron oxide fume (Fe ₂ O ₃) (as Fe)	SWA [AUS]	--	5	--	--
Magnesite	SWA [AUS]	--	10	--	--
Quartz (respirable dust)	SWA [AUS]	--	0.05	--	--

Biological limits

No biological limit values have been entered for this product.

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, Moleic 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

11.1 Information on toxicological effects

Acute toxicity This product is expected to be of low toxicity. Under normal conditions of use, adverse health effects are not anticipated. However, ingestion of large quantities may result in nausea, vomiting and gastrointestinal irritation.

Ingredient	Oral LD50	Dermal LD50	Inhalation LC50
Calcium Carbonate	> 2000 mg/kg (rat)	> 2000 mg/kg (rat)	> 3.0 mg/L
Aluminium Oxide	> 5000 mg/kg (rat)	--	--

Skin Not classified as a skin irritant. Contact may result in mechanical irritation, redness and rash.

Eye Not classified as an eye irritant. However, this product may cause mechanical eye irritation with redness and lacrimation.

Sensitisation Not classified as causing skin or respiratory sensitisation.

Mutagenicity Insufficient data available to classify as a mutagen.

Carcinogenicity Crystalline silica is classified as carcinogenic to humans (IARC Group 1). However, there is a body of evidence supporting the fact that increased cancer risk would be limited to people already suffering from silicosis.

Reproductive Insufficient data available to classify as a reproductive toxin.

STOT - single exposure Not classified as causing organ damage from single exposure.

STOT - repeated exposure Repeated exposure to respirable silica may result in pulmonary fibrosis (silicosis). Silicosis is a fibronodular lung disease caused by deposition in the lungs of fine respirable particles of crystalline silica. Principal symptoms of silicosis are coughing and breathlessness.

Aspiration This product is a solid and aspiration hazards are not expected to occur.

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

15.1 Safety, health, and environmental regulations/legislation specific for the substance or mixture

Poison schedule	A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).
Classifications	Safework Australia criteria is based on the Globally Harmonised System (GHS) of Classification and Labelling of Chemicals.
Inventory listings	AUSTRALIA: AICS (Australian Inventory of Chemical Substances) All components are listed on AICS or are exempt.

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)
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Next Review Date for this MSDS: 31 December 2024.

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.

[End SDS]