

SAFETY DATA SHEET

Clay

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 ManagerTelephone: 1300 CEMENT (1300 236 368 - Business Hours) or
Poisons Information Centre 13 11 26

Supplier

Claypro: 48 PRATTS PARK Road, Junortoun Victoria 3551

Product

Name: Clay**Other Names:** Bricklayers Clay (Fire Clay)
Renderers Clay
One Clay**Use:** Clay is used for jointing refractory brickwork, pottery clay mixes, modelling and rendering.

Section 2: Hazards Identification

2.1 Classification

**DANGER**

GHS CLASSIFICATION

Classified as Hazardous according to the Safe Work Australia guidelines for Globally Harmonised System of Classification and Labelling of Chemicals (GHS).**Not classified as Dangerous Goods** according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)For more information call **1300 CEMENT** (1300 236 368)
or visit www.cementaustralia.com.au*Mix it with the best.*

A low proportion of the fine dust in the supplied dry product will be respirable crystalline silica. Once wetted, risk of any airborne respirable dust will be low, but dry residues may contain respirable crystalline silica.

Hazard Class and Category
Respiratory Sensitiser: Category 1

2.2 GHS Label elements

Pictograms and Signal Words



DANGER

Hazard Statement(s)

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled

Prevention Statement(s)

P261 Avoid breathing dust/fume/gas/mist/ vapours/spray.

P284 In case of inadequate ventilation wear respiratory protection.

Response Statement(s)

P304 + P340 + P305 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

P342 + P310 If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.

Storage Statement(s)

P403 Store in a well-ventilated place.

Disposal Statement(s)

P501 Dispose of contents/container to in accordance with Section 13 of this document.

Section 3: Composition/Information on Ingredients

The sand in this product is mainly crystalline silica and accounts for the high overall crystalline silica content. All significant constituents are listed below:

Chemical Entity	Proportion	CAS Number
Kaolinite	30-60%	1318-74-7
Crystalline Silica (Quartz)	30-60%	14808-60-7
Total respirable silica	Below reporting limits	14808-60-7
Illite	0-1%	12173-60-3

Section 4: First Aid Measures

Swallowed:	Wash mouth with water. Give plenty of water to drink.
Eyes:	Flush thoroughly with flowing water for 15 minutes to remove all traces. If symptoms such as irritation or redness persist, seek medical attention.
Skin:	Wash off skin thoroughly with water. Use a mild soap if available. Shower if necessary.
Inhalation:	Remove to fresh air, away from dusty area. If symptoms persist, seek medical attention.
First Aid Facilities:	Eye wash station. Washing facilities with running water.
Advice to Doctor:	Treat symptomatically.

Section 5: Fire Fighting Measures

Fire/Explosion Hazard:	None
Hazchem Code:	None allocated
Flammability:	Not flammable
Extinguishing Media:	None required
Hazards from Combustion Products:	None
Special Protective Precautions and equipment for fire fighters:	None required

Section 6: Accidental Release Measures

Spills:	Spills are best cleaned up by vacuum device to avoid generating airborne dust. Recommendations on Exposure Control and Personal Protection should be followed during spill clean-up.
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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.

Section 8: Exposure Controls/Personal Protection

8.1 Exposure control parameters

Exposure standards

Ingredient	Reference	TWA		STEL	
		ppm	mg/m ³	ppm	mg/m ³
Quartz (respirable dust)	SWA (AUS)	--	0.05	--	--

Biological limits

No biological limit values have been entered for this product.

8.2 Engineering controls

Avoid inhalation. Use in well-ventilated areas. Where an inhalation risk exists, mechanical extraction ventilation is recommended. Maintain dust levels below the recommended exposure standard.

8.3 Individual protection measures and PPE

PPE

- Eyes / Face:** Wear safety glasses or dust-proof goggles when handling material to avoid contact with eyes.
- Body/Skin:** Wear long sleeved shirt and full-length trousers. When using large quantities or where heavy contamination is likely, wear coveralls.
- Hands:** Wear PVC, rubber, or cotton gloves when handling material to prevent skin contact.
- Respiratory:** Where an inhalation risk exists wear a Class P1 (Particulate) respirator, dependent on a site-specific risk assessment. At high dust levels, wear an Air-line respirator or a Full-face Class P3 (Particulate) respirator.

When handling wet-mix wear rubber boots. PPE should be changed regularly, with skin washed and completely dried to prevent cement particles from being trapped inside gloves or boots. Clothing/overalls should also be changed regularly after exposure to prevent prolonged skin contact with material. It is recommended that tape or similar is used to close off glove and boot openings.

Section 9: Physical and Chemical Properties

- Appearance:** A mixture of fine and coarse solid particles
- Odour:** No distinctive odour
- Boiling/Melting Point:** Melting point >1200°C
- Vapour Pressure:** Not applicable
- Specific Gravity:** 2.7
- Flash Point:** Not applicable
- Flammability Limits:** Not applicable
- Solubility In Water:** None
- Particle Size:** Up to 20% of the fresh dry material may be respirable (below 10 microns)

Section 10: Stability and Reactivity

Clay is stable, compatible with most other building materials, will not decompose into hazardous by-products and does not polymerise.

- Chemical Stability:** Chemically stable
- Conditions to Avoid:** Keep free of moisture during storage
- Incompatible Materials:** None
- Hazardous Decomposition Products:** None
- Hazardous Reactions:** None

Section 11: Toxicological Information

There is no direct toxicological data on this product. Health effects information is based on reported effects in use from overseas and Australian reports on mixtures of Portland Cements and sand.

- Acute toxicity** No known toxicity data is available for this product. Based on available data, the classification criteria are not met.

Skin	Irritating to the skin. Contact with powder or wetted form may result in irritation, rash and dermatitis. Prolonged exposure to wet cement can cause serious, potentially irreversible skin damage in the form of chemical burns.
Eye	Causes serious eye damage. Contact with moisture in the eyes may result in irritation, lacrimation, pain, redness, conjunctivitis and possible alkaline burns aided by mechanical irritation and abrasion. Exposure to wet cement can cause serious, potentially irreversible eye damage in the form of chemical burns.
Sensitisation	Not classified as causing respiratory sensitisation. Some individuals may exhibit an allergic skin response upon exposure to cement, possibly due to trace amounts of chromium.
Mutagenicity	Insufficient data available to classify as a mutagen.
Carcinogenicity	This product contains crystalline silica which is classified as carcinogenic to humans (IARC Group 1). However, there is sufficient information to conclude that the relative risk of lung cancer is increased in persons with silicosis. Therefore, preventing the onset of silicosis will also reduce cancer risk. Hexavalent chromium compounds are also classified as carcinogenic to humans (IARC Group 1). However, due to the trace amounts present, no adverse effects are expected due to this component. In the wet state, the likelihood of an inhalation hazard is reduced.
Reproductive	Insufficient data available to classify as a reproductive toxin.
STOT - single exposure	Irritating to the respiratory system. Overexposure may result in irritation of the nose and throat, with coughing. High-level exposure may result in breathing difficulties.
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. In the wet state, the likelihood of an inhalation hazard is reduced.
Aspiration	This product is a Solid and aspiration hazards are not expected to occur.

Section 12: Ecological Information

Ecotoxicity:	Unlikely to have a negative impact on plant life or animals.
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

Clay 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

Transportation can be in bulk or bag form by Ship, Rail and Road.

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

A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP).

This Safety Data Sheet has been prepared according to the Australian Work Health and Safety (WHS) act and the Code of Practice on preparation of safety data sheets for Hazardous Chemicals.

All components are listed on the Australian Inventory of Chemical Substances (AICS).

Section 16: Other Information

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

Previous Edition and edits made:

2020 – Format updates

2022/2023 – Format updates

Next Review Date for this SDS: 31 December 2026.

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, 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. 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.

[SDS Ends]