SAFETY DATA SHEET

Dried Sand

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

Geelong:	292 Thompson Road, Geelong North VIC 3215
Brisbane:	77 Pamela St, Pinkenba QLD 4008
Auburn:	Highgate Street, Auburn NSW 2144
Townsville:	Benwell Road, Townsville QLD 4810

Product

Name:	**Dried Sand**
Other Names:	Paving Joint Filler, Joint Fill Sand, Brushing Sand
Use:	Dried Sand is used as filling sand, turf underlay and as a fine aggregate in mortar and concrete.

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

Hazard Class and Category
Specific Target Organ Toxicity (Repeated Exposure): Category 1

Carcinogenicity: Category 1A

2.2 GHS Label elements

Pictograms and Signal Words

DANGER

Hazard Statement(s)

H350	May cause cancer by inhalation.
H372	Causes damage to organs through prolonged or repeated exposure.

Prevention Statement(s)

P202	Do not handle until all safety precautions have been read and understood.
P260	Do not breathe dust.
P264	Wash any skin exposed to the product thoroughly after handling. Do not touch eyes until hands are thoroughly washed clean of material.
P270	Do not eat, drink, or smoke while using this product.
P280	Wear protective gloves in accordance with AS2161. Wear dust proof eye protection in accordance with (AS/NZS1337.1).

Response Statement(s)

P314	Get medical advice if you feel unwell.
P308+P313	If exposed or concerned: Get medical advice/attention.

Storage Statement(s)

P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.

Disposal Statement(s)

P501	Dispose of unused contents or container as normal general waste or in accordance with jurisdictional regulations.

2.3 Other hazards

Frequent inhalation of dust material over periods of time increases the risk of developing silicosis and lung disease.

Some susceptible individuals may exhibit an allergic skin response upon exposure, possibly due to trace amounts of chromium.

Section 3: Composition/Information on Ingredients

The sand in this product is mainly crystalline silica and accounts for the high overall crystalline silica content.

Chemical Entity	Proportion	CAS Number
Washed Sand containing:	**>95%**	**14808-60-7**
Crystalline Silica (Quartz)	>95%	14808-60-7
Total respirable silica	Below reporting limits	14808-60-7
Hexavalent Chromium Cr (VI)	<1 ppm	18540-29-9
Mineral and Organic impurities	**<5%**	

Section 4: First Aid Measures

4.1 Description of necessary first aid measures

Ingestion/Swallowed: Rinse mouth and lips with water. Give 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. Shower if necessary. Seek medical attention for persistent irritation or redness of the skin.

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/shower.

Advice to Doctor: Treat symptomatically.

4.2 Symptoms caused by exposure

Chronic over exposure to silica quartz dust may result in silicosis (lung disease). Principal symptoms of silicosis are coughing and breathlessness. Some individuals may exhibit an allergic response upon exposure to this product, possibly due to the trace amounts of chromium present. Crystalline silica is classified as carcinogenic to humans (IARC Group 1), if respirable material is inhaled. Hexavalent chromium compounds are also classified as carcinogenic to humans (IARC Group 1).

4.3 Medical attention and special treatment

In case of accident (such as eye exposure) or feeling unwell, seek medical advice immediately (show directions for use or safety data sheet if possible).

Treatment:
(See paragraph 4.1)

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

6.1 Personal precautions, protective equipment and emergency procedure

Recommended protective clothing when handling product includes gloves (AS2161), boots, long sleeves/pants, eye protection i.e., goggles (AS/NZS1337.1), suitable respirator (AS/NZS1715, 1716).

Remove persons to safety in event of large release of sand or dust.

6.2 Environmental precautions

Prevent product from entering storm water and sewer drains.

6.3 Methods and materials for containment and cleaning up

Contain spillage, then collect and place in suitable containers for reuse or disposal.
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.
Keep product out of storm water and sewer drains.
Wetting during clean-up will cause formation of setting cement.

Section 7: Handling and Storage

7.1 Precautions for safe handling

When supplied in bags these need to be handled in accordance with Hazardous Manual Tasks Code of Practice.
Use of safe work practices are recommended to avoid inhalation.

7.2 Conditions for safe storage, including any incompatibilities

Keep away from food, drink and feed.

Incompatible materials: Keep away from water and sources of moisture.

Instructions as regards storage premises: Storage may be in concrete silos, steel bins or plastic lined bags. Ensure premises are cool, dry and adequately ventilated.

Section 8: Exposure Controls/Personal Protection

8.1 Exposure control parameters

Exposure standards

		TWA		STEL	
Ingredient	**Reference**	**ppm**	**mg/m³**	**ppm**	**mg/m³**
Chromium (VI) compounds (as Cr)	SWA (AUS)	--	0.05	--	--
Silica – Crystalline Quartz (respirable dust)	SWA (AUS)	--	0.05	--	--

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

Eyes / Face:	Safety glasses with side shields or protective goggles should be worn while using this product. For extremely dusty conditions, non-vented goggles or goggles with indirect venting are recommended. Avoid contact lens wear when using this product.
Body/Skin:	Long sleeved shirts and trousers should be worn while using this material. Avoid direct contact with skin. If working in dusty conditions, impervious over garments are recommended. Protective gloves with wrist/arm cuffs should be worn to avoid direct contact with skin Wear PVC, rubber or cotton gloves when handling material to prevent skin contact.
Hands:	Wear PVC, rubber or cotton gloves when handling material to prevent skin contact.; AS/NZS 2161.10:
Respiratory:	Where an inhalation risk exists wear a Class P1 (Particulate) respirator, dependent on a site-specific risk assessment.

Section 9: Physical and Chemical Properties

Appearance:	A grey, sandy mixture of fine and coarse 14mm) solid particles
Odour:	No distinctive odour
Boiling/Melting Point:	Melting point >1200ºC
Vapour Pressure:	Not applicable
Specific Gravity:	2.7
Flash Point:	Not applicable
Flammability Limits:	Not applicable
Solubility in Water:	Slight, reacts on mixing with water forming an alkaline solution (caustic, pH>11)
Particle Size:	Less than 10% of the fresh dry material may be respirable (below 10 microns)

Section 10: Stability and Reactivity

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

Acute toxicity	Mildly abrasive and corrosive to mouth and throat if swallowed. May cause nausea, stomach cramps and constipation.
Skin	Irritating to the respiratory system. Over exposure may result in irritation of the nose and throat, with coughing. High level exposure may result in breathing difficulties. Pre-existing upper respiratory and lung diseases including asthma and bronchitis may be aggravated.
Eye	Irritating to the eyes. Contact with moisture in the eyes may result in irritation, flow of tears, pain, redness, conjunctivitis, and possible alkaline burns aided by mechanical irritation and abrasion.
Sensitisation	This product is not classified as a skin or respiratory sensitiser. However, some individuals may exhibit an allergic response upon exposure to dried sand.

Mutagenicity	Not classified as a Mutagen.
Carcinogenicity	This product may contain crystalline silica, which is classified as carcinogenic to humans (IARC Group 1). 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 the cancer risk. Trace amounts of hexavalent chromium are also present but are unlikely to be the cause of adverse effects in comparison to silica. However, RSC is below reporting limits.
Reproductive	Not classified as a reproductive toxicant.
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 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 stable solid and aspiration hazards are not expected to occur.

Section 12: Ecological Information

Ecotoxicity:	Based on available data, classification criteria is not met, and there is a high probability that the product is not acutely harmful to aquatic organisms. This product is non-toxic to aquatic organisms when present as a solid.
Persistence and Degradability:	Product is persistent and would have a low degradability.
Bio accumulative potential:	This product is not expected to bio accumulate.
Mobility:	A low mobility would be expected in a landfill situation.

Section 13: Disposal Considerations

Reclaim excess material where possible, with extreme care taken to avoid dust generation. Use a vacuum to collect where possible, and wear PPE as indicated in section 8.3.

Dried Sand can be treated as a common waste for disposal to an approved 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).

Container should be washed clean of dust and sand before repurposing.

Section 14: Transport Information

Not classified as dangerous in the meaning of transport regulations. May be transported by Ship, Rail, Air 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

Dried Sand is not classified as Dangerous Goods.

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) or are exempt.

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)

IARC International Agency for Research on Cancer

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]