

Burdett's Safety Data Sheet



Concrete Sand, White Washed Sand, Turf Sand, Asphalt Sand

Section 1. Supplier & Product Information

Company Information

Company	Burdett Sand Soil & Stone Pty Ltd
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Product Information

<i>Generic Product Name</i>	Silica Sand
<i>Use</i>	Product-specific

Section 2. Hazard identification

<i>Hazardous Classification</i>	Not classified as a Hazardous Substance
<i>UN Number</i>	None Allocated
<i>Dangerous Goods Class</i>	Not a Dangerous Good
<i>Hazchem Code</i>	None Allocated
<i>Poisons Schedule Number</i>	None Allocated

Health Hazard Information

<i>Acute (short-term)</i>	Exposure to dust may irritate respiratory system, eyes and skin. Repeated exposure to respirable crystalline silica may cause acute silicosis which is rapid and progressive
<i>Chronic (long term)</i>	Chronic exposure to respirable quartz in excess of exposure limits may cause silicosis, a progressive lung disease. Tobacco smoking may add to this risk
<i>Symptoms of silicosis</i>	Silicosis symptoms can occur long after exposure has ceased. Symptoms of silicosis may include; coughing, shortness of breath, weight loss, reduction of lung volume, chest pain and heart failure. People with silicosis have an increased risk of pulmonary tuberculosis infection. Acute silicosis may be fatal
<i>Other Information</i>	Sand and gravel are not recognised as carcinogens. Crystalline silica is listed by IARC but not by NTP or OSHA

Section 3. Composition/information on ingredients

<i>Chemical entity</i>	Silicon dioxide (SiO ₂) >90%
<i>CA S NO.</i>	14808-60-7

Section 4. First-aid measures	
<i>Swallowed</i>	Give water to drink. Seek medical attention if any abdominal symptoms. Contact Poisons Information (13 11 26)
<i>Dust in Eye</i>	Flush eyes with running water for 15 minutes. If irritation persists seek medical assistance
<i>Skin</i>	Wash thoroughly with mild soap and water. If irritation persists seek medical attention
<i>Inhalation</i>	Remove to fresh air. Dust in throat or nasal passages should clear spontaneously. If irritation persists seek medical attention
<i>Advice to doctor</i>	Treat symptomatically

Section 5. Fire-fighting measures	
<i>Flammability</i>	Not flammable
<i>Fire/explosion hazard</i>	Not flammable or explosive

Section 6. Accidental release measures	
<i>Spills and disposal</i>	Follow precautions in this SDS. Where dust may be generated, we recommend wetting spilled material and/or the use of respiratory protective equipment. Avoid sweeping as dust is likely to be created. Pick up and re-use clean materials

Section 7. Handling and storage	
<i>Engineering controls</i>	Follow protective controls described in this SDS when handling this product. Avoid generating respirable silica
<i>Ventilation</i>	Local exhaust or general ventilation adequate to maintain exposure below appropriate exposure limits

Section 8. Exposure controls/personal protection	
<i>Exposure standards</i>	Unless specified otherwise, limits are in milligrams per cubic metre of air (mg/m ³), 8 hour time weighted average (TWA)
<i>Respirable crystalline silica</i>	Other particulates: ACGIH TLV = 10; OSHA PEL = 5.15 (total dust, not otherwise regulated); MSHA = 10 (total "nuisance" dust)
<i>Respirable dust:</i>	MSHA = 10 : (%respirable quartz+2) ACGIH TLV, OSHA PEL & MSHA proposed PEL 0.1
<i>Total dust</i>	MSHA = 30: (%respirable quartz+3)
Personal Protective Equipment	
<i>Respiratory protection</i>	For respirable silica levels that exceed these 8 hour levels; TWA = 0.1 mg/m ³ : wear dust respirator TWA = 0.5 mg/m ³ : wear HEPA filter respirator TWA > 5 mg/m ³ : wear a positive pressure, full face respirator Follow applicable respirator use & fitting instructions
<i>Skin protection</i>	Wash exposed skin with soap and water. Wash work clothes
<i>Eye protection</i>	Safety glasses or dust goggles should be worn when excessively dusty conditions are present or anticipated
<i>Other Control Measures</i>	Respirable dust levels should be monitored regularly. Reduce exposure by wetting, ventilation and enclosed equipment

Section 9. Physical and chemical properties

<i>Appearance</i>	White to tan, granular with no taste or odour
<i>Melting Point</i>	1680°C
<i>Vapour Pressure (mm Hg @ 25 °C)</i>	None
<i>Flammability Limits</i>	Not applicable
<i>Specific Gravity</i>	2.6
<i>Solubility in water</i>	Insoluble

Section 10. Stability and reactivity

<i>Incompatible Materials</i>	Contact with powerful oxidising agents may cause fire and/or explosion. Silica dissolves in hydrofluoric acid producing a corrosive gas, silicon tetrafluoride
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Section 11 Toxicological information

<i>Toxicology</i>	Sand is considered to be an inert product and is not considered to have any short or long term toxicological effects
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Section 12. Ecological information

<i>Environmental Hazard</i>	Sand is considered to be an inert product and is not considered to have any short or long term environmental effects
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Section 13. Disposal consideration

<i>Disposal</i>	Dispose of waste materials only in accordance with applicable federal, state, and local laws and regulations
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Section 14 Transport information

<i>Dangerous Goods</i>	Not classified as a Dangerous Good for the purposes of transport by land, air, sea or rail
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Section 15 Regulatory information

<i>Applicable legislation</i>	No particular legislation relates to this product
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Section 16 Other information

This Safety Data Sheet is issued by Burdett Sand Soil & Stone Pty Ltd in accordance with GHS guidelines. As such, information contained herein must not be altered, deleted or added to. Burdett Sand Soil & Stone Pty Ltd will issue a new SDS when there is a change in product specification and/or GHS guidelines, or at a minimum every 5 years. Burdett Sand Soil & Stone Pty Ltd will not accept responsibility for changes made to the content of this SDS by any person or organisation

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