

Burdett's Safety Data Sheet



Garden Products

Section 1. Supplier & Product Information

Company Information

Company	Burdett Sand Soil & Stone Pty Ltd
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Product Information

<i>Other Names</i>	Potting Mixes	Planter Mixes
	Organic Compost	Mulches
<i>Use</i>	General gardening, landscaping & horticultural purposes	

Section 2. Hazard identification

<i>Hazardous Classification</i>	Classified as a Hazardous Substance according to Safe Work Australia. Applies to dust and mists (bio aerosols)
<i>GHS Classifications</i>	Specific Target Organ Systemic Toxicity (Repeated Exposure): Category 2
<i>Dangerous Goods Class</i>	Not classified as a Dangerous Good by the criteria of the ADG Code, IMDG or IATA
<i>UN Number</i>	None Allocated
<i>Hazchem Code</i>	None Allocated
<i>Poisons Schedule Number</i>	None Allocated

Label Elements

<i>Signal word</i>	WARNING
<i>Pictogram</i>	
<i>Hazard Statement(s)</i>	H373 May cause damage to organs (lungs) through prolonged or repeated exposure (inhalation).
<i>Prevention Statement(s)</i>	P260 Do not breathe dust.
<i>Response Statement(s)</i>	P314 Get medical advice/attention if you feel unwell.
<i>Storage Statement(s)</i>	None allocated
<i>Disposal Statement(s)</i>	P501 Dispose of contents/container in accordance with relevant regulations.
<i>Other Hazards</i>	The hazard information provided in this Safety data Sheet applies to dust and mists (bio aerosols).

Section 3. Composition/information on ingredients	
<i>Chemical entity</i>	Product-specific blend of organic & inorganic material
<i>Other information</i>	Soil component may contain micro-organisms such as bacteria, fungi and protozoa, manure and compost
<i>CAS No.</i>	Sand component (if present): 14808-60-7 < 5%

Section 4. First-aid measures	
<i>Swallowed</i>	Rinse mouth with water. Do not induce vomiting. Seek medical attention if any abdominal symptoms
<i>Eye</i>	Flush eyes with running water for 15 minutes while holding eyelids open. If irritation persists seek medical assistance
<i>Skin</i>	Remove heavily contaminated clothing. Wash thoroughly with mild soap and water. If irritation persists seek medical attention
<i>Inhalation</i>	Remove person from source of contamination 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 or consult Poisons Information Centre

Section 5. Fire-fighting measures	
<i>Flammability</i>	All organic products must be treated as flammable. Risk of fire increases as the product dries out.
<i>Hazards from combustion products</i>	Smoke from any fire may contain multiple hazardous substances. Treat all smoke as being deleterious to health
<i>Extinguishing media</i>	Water or Wet Chemical Fire Extinguishers or use extinguishing media suitable for the primary source of the fire
<i>Special protective equipment and precautions for firefighters</i>	These materials are unlikely to be the primary source of a fire. Use protective equipment and extinguishing media suitable for fire in surrounding materials
<i>Hazchem Code</i>	None Allocated

Section 6. Accidental release measures	
<i>Methods and materials for containment and clean-up</i>	Follow precautions in this SDS. If possible, pick up and re-use clean materials. Collect large spills with mechanical device avoiding dust generation. Avoid sweeping unless spilled material is wetted. The use of respiratory equipment (e.g. P2 mask) may be necessary depending on the size of the spill and amount of dust in the atmosphere.
<i>Personal precaution, protective equipment and precautions for fire-fighters</i>	Recommendations on exposure controls / personal protection, see section 8, should be followed during spill clean-up if conditions are dusty.
<i>Environmental precautions</i>	No specific precautions required. Avoid sewer contamination.

Section 7. Handling and storage	
<i>Manual handling</i>	These products are generally supplied in bulk. For material supplied in 20kg bags handle in accordance with applicable manual handling guidelines and legislation. Use correct posture and lifting techniques and, where possible use mechanical lifting devices or enlist the aid of another person.

<i>Engineering controls</i>	Follow protective controls described in this SDS when handling product. All work should be carried out in a way to minimise dust generation and exposure to dust.
<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>	All occupational exposures to atmospheric contaminants should be kept as low as reasonably practicable and in all cases below the Workplace Exposure Standard (WES)
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Ingredient	Reference	TWA, 8-hour		STEL	
		ppm	mg/m ³	ppm	mg/m ³
Total dust (any type, or particle size)	SWA (AUS)	---	10.0	---	---

TWA, 8 hour: the time- weighted average airborne concentration over an eight-hour working day, for a five-day working week over an entire working like. According to current knowledge this concentration should neither impair the health of, nor cause discomfort to, nearly all workers

<i>Biological Limit Values</i>	No biological limit allocated
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<i>Engineering Controls</i>	<p>Minimise dust generation and airborne dust levels</p> <p>Use of dust extraction and collection</p> <p>Wetting, ventilation and use of enclosed equipment</p> <p>Work areas to be cleaned regularly</p>
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<i>Equipment repair &/or Maintenance</i>	Where possible vacuum or wash down all gear, equipment or mobile plant prior to maintenance and repair work. If compressed air cleaning cannot be avoided, wear eye and respiratory protection as listed below. Ensure exposure to dust is maintained below TWA.
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<i>Monitoring</i>	A program should be implemented to regularly monitor dust and levels. Results of this testing should be communicated to all concerned staff members.
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Personal Protective Equipment

<p><i>Respiratory protection</i></p> <p>Reference: AS/NZS 1715 & AS/NZS 1716</p>	<p>Where engineering and handling controls are inadequate to minimize dust generation and below the total dust TWA, personal respiratory protection may be required.</p> <p>The type of respiratory protection required depends on the concentration of dust in the air, and the frequency and length of exposure time.</p> <p>The amount of exertion required during the work, and personal comfort are other considerations in choice of respirator. A suitable P1 or P2 particulate respirator chosen in accordance the AS/NZS 1715 and AS/NZS 1716 may be sufficient for some situations but where high levels of dust are encountered, more efficient cartridge-type or supplied-air helmets such as Powered Air Purifying Respirators (PAPR) may be necessary.</p> <p>For dust levels approaching or exceeding the WES a particulate respirator providing greater protection should be worn. Procedures for selection and effective use of respirators should be applied and supervised.</p> <p>Use only respirators that bear the Australian Standards mark and are fitted and maintained correctly.</p>
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<i>Skin protection</i>	Wear comfortable clothing and gloves (standard duty leather or equivalent AS 2161). Wash work clothes after use – see above.
<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>	Keep products moist to minimise dust generation. Reduce exposure by the use of ventilation, enclosed equipment and water mist spray.
<i>Hygiene Measures</i>	When using do not eat, drink or smoke. Wash hands prior to eating, drinking or using toilet. Avoid eye contact or prolonged skin contact. Eyewash stations and safety showers should be available. Do not contaminate your car or home with dusty clothes and shoes. Avoid shaking out work clothes prior to laundering.

Section 9. Physical and chemical properties	
<i>Appearance</i>	Product specific
<i>Colour</i>	Product specific
<i>Melting Point</i>	Not applicable (products are generally combustible)
<i>Vapour Pressure (mm Hg @ 25 °C)</i>	Not applicable
<i>Flammability Limits</i>	Not applicable for solid materials
<i>Specific Gravity</i>	Product-specific
<i>Solubility in water</i>	Insoluble but dispersible to some extent
<i>pH</i>	5 – 9 Approx. (product-specific)
<i>Bulk Density (T/m³)</i>	0.4 – 1.2 Approx. (product-specific)

Section 10. Stability and reactivity	
<i>Chemical Stability</i>	Materials are considered to be stable under normal conditions
<i>Conditions to Avoid</i>	Dust generation
<i>Incompatible Materials</i>	Not specified
<i>Hazardous Decomposition Products</i>	Oxides of carbon, nitrogen, smoke & other noxious fumes
<i>Hazardous Reactions</i>	None known

Section 11 Toxicological information	
<i>Health Effects</i>	Generally considered to be inert products. No specific toxicology data is available, but toxicity is expected to be very low
<i>Other information</i>	These are natural products containing soil, mulch, compost and fertilisers. These materials may contain a variety of living micro-organisms such as bacteria, fungi and protozoa.
Acute (short-term)	
<i>Swallowed</i>	Unlikely source of exposure. Mildly abrasive to mouth and throat if swallowed. May cause abdominal discomfort
<i>Eyes</i>	Dust may irritate the eyes, causing redness or irritation and may aggravate pre-existing eye conditions
<i>Skin</i>	Contact may result in skin irritation or redness
<i>Inhalation</i>	Inhalation of dust may irritate the nose, throat or lungs and aggravate pre-existing conditions such as asthma and bronchitis.
Chronic (long-term)	

<i>Eyes</i>	Dust may cause irritation and inflammation of the eyes and aggravate pre-existing eye conditions
<i>Skin</i>	Direct contact with these materials may cause skin irritation (dermatitis). Repeated contact may cause skin drying and a skin rash typically affecting the hands
<i>Inhalation</i>	Repeated exposure to dust and mists (bio aerosols) may irritate, inflame or sensitise the nose, throat and lungs resulting in illness ranging from hayfever or asthma to bronchitis or pneumonia.. People particularly at risk are those suffering from asthma or allergies, and those whose immune defence systems are compromised.
<i>Other</i>	These products are unlikely to be a health hazard if used for their intended applications, however it is possible that under certain circumstances there is a potential for exposure to high levels of dust

Section 12. Ecological information	
<i>Eco-toxicity</i>	These products are considered to be inert and not expected to have any short or long term toxicological effects
<i>Persistence and Degradability</i>	Products are not persistent and are bio-degradable over time
<i>Mobility</i>	Low mobility in a landfill due to physical nature of product
<i>Aquatic Hazard</i>	Products are considered to be non-toxic to aquatic and terrestrial organisms and unlikely to have any short or long term effects. Prevent products from entering streams and other waterways

Section 13. Disposal consideration	
<i>Disposal</i>	These products can be treated as a common waste for disposal in accordance with applicable federal, state, and local laws and regulations. Recycling into natural materials is typically a preferable and more practicable alternative. May be disposed in local landfill, prevent dust generation during disposal, personal precautions should be observed (Section 8).

Section 14 Transport information	
<i>Dangerous Goods</i>	Not classified as a Dangerous Good for the purposes of transport by land & rail (ADG Code), air (IATA Code), or sea (IMDG/IMO Code)
<i>UN Number</i>	None allocated
<i>UN Proper shipping Name</i>	None allocated
<i>Class and subsidiary risk</i>	None allocated
<i>Packaging Group</i>	None allocated
<i>Marine Pollutant</i>	No
<i>Special Precautions for User</i>	None allocated
<i>HAZCHEM code</i>	None allocated

Section 15 Regulatory information	
<i>Poisons Schedule</i>	None allocated
<i>Hazardous Classification (SWA & GHS)</i>	Respirable dust and mists (bio aerosols) are classified as Hazardous according to Safe Work Australia
<i>Dangerous Goods</i>	Not classified as a Dangerous Good for the purposes of transport by land & rail (ADG Code), air (IATA Code), or sea (IMDG/IMO Code)
<i>Health Surveillance</i>	Persons who have potential for exposure above the WES may be required to have periodic health – refer relevant state Government Regulations and SWA (ASCC/NOHSC documentation)

Glossary

ADG – Australian Code for the Transport of Dangerous Goods by Road and Rail

GHS – Globally Harmonized System of Classification and Labelling of Chemicals, United Nations, New York and Geneva, Seventh Edition

IARC – International Agency for Research on Cancer

SWA - Safe Work Australia

TWA - Time-weighted average

WES - Workplace Exposure Standards for Airborne contaminants

References

ASCC - Australian Safety & Compensation Commission

Approved Criteria for Classifying Hazardous Substances

Safe Work Australia

Workplace exposure standards for airborne contaminants

Guidance on The Interpretation of Workplace Exposure Standards for Airborne Contaminants

HCIS – Hazardous Chemical Information system

Poisons Information Centre

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Section 16 Other information

This Safety Data Sheet is issued by Burdett Sand Soil & Stone Pty Ltd in good faith and as far as possible 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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