

SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: Richgro Playsand
Other Names: Not listed
Product Code: SAS0870
Product Use: Children's playing areas.
Company Name: RICHGRO
Company Address: 203 Acourt Road, Jandakot WA 6164
Telephone Number: (08) 6258 7100 or Toll free 1800 455 132
Email: customerservice@richgro.com.au
This version issued: December 2021 and is valid for 5 years from this date.

SECTION 2 - HAZARDS IDENTIFICATION

Statement of Hazardous Nature

The solid product as supplied is classified as **Non-Hazardous** according to Safe Work Australia criteria.

Dust in/on the supplied product or created when the product is crushed contains crystalline silica some of which may be respirable. This dust is classified as Hazardous according to the HCIS listing of SWA.

Silica sands are classified as Non-Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

GHS Signal word: NONE

HAZARD STATEMENT

H332 Harmful if inhaled (Applies to dust).

PREVENTION

P261: Avoid breathing dust.

P264: Wash hands and other exposed body parts thoroughly after handling.

P271: Use only outdoors or in well ventilated area.

RESPONSE

P353: Rinse skin with water/shower.

P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P332+P313: If skin irritation occurs: Get medical advice/attention.

P337+P313: If eye irritation persists: Get medical advice/attention.

P341. If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

STORAGE

P403. Store in well ventilated place.

DISPOSAL

P501: Dispose of small or large quantities by recycling or reclaiming processes. If recycling or reclaiming is not possible for small quantities dispose of via local council garbage disposal services, for larger quantities, use a commercial waste disposal service.

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS No	Proportion of Ingredient
Sand containing Crystalline Silica (Quartz)	14808-60-7	100%

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SECTION 4 - FIRST AID MEASURES

General Information:

Inhalation:

The solid product is washed sand and shall not contain dust. However, if there is exposure to fine dust from product remove source of contamination or move the affected person to a well-ventilated area / fresh air. Ensure airways are clear and have a qualified person to give oxygen through a face mask if breathing is difficult. If irritation persists seek medical attention.

Skin Contact:

Gently flush affected areas with water. Seek medical attention for persistent redness, irritation or burning of the skin.

Eye Contact:

Flush gently with running water for at least 15 minutes lifting lower and upper eyelids occasionally. If symptoms such as irritation or redness persist, seek medical attention.

Ingestion:

Rinse mouth thoroughly with water and give water to drink. **DO NOT** induce vomiting. If symptoms persist Seek medical attention.

Advice to Doctor: Treat symptomatically.

SECTION 5 - FIRE FIGHTING MEASURES

Extinguishing Media / Agents: Not applicable

Specific hazards arising from the substance or Mixture: Not applicable

Advice for fire fighters: None

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Accidental release measures

Environmental precautions: Not applicable

Methods and materials

for containment and cleaning up: Avoid creating fine dust particles when cleaning up spillages, wet product or use vacuum to remove spills.

SECTION 7 - HANDLING AND STORAGE

Precautions for Safe Handling: Use product in well ventilated area. Prevent the build-up of dust in the work atmosphere.

Conditions for Safe Storage: No special storage requirements.

SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

The following applies to potential dust from this product:

Exposure Limits Exposure to dust from this product should be kept as low as practicable and below the following NES: Quartz (Crystalline Silica): 0.1 mg/m³ TWA (Time-weighted average) as respirable dust. (≤ 7 microns particle equivalent aerodynamic diameter).
Total dust (of any type, or particle size): 10mg/m³ TWA.

Engineering Controls: Use of product should be in a well-ventilated area.
All work should be carried out in such a way as to minimise dust generation, and exposure to dust.
Mechanical ventilation: Dust extraction and collection may be used, if necessary, to control airborne dust levels.
Work areas should be cleaned regularly.

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Personal Protective Equipment:

Respiratory: Respiratory protection depends primarily on the concentration of the respirable crystalline silica **dust** in the air, and the frequency and length of exposure time. A suitable P1 or P2 particulate respirator chosen and used in accordance with AS/NZS 175 and AS/NZSD 1716 may be sufficient for many situations.

Other: Rubber / PVC gloves, safety glasses are optional protective equipment dependent on frequency and length of exposure time to product.

Hygiene Controls: After use and before eating, drinking, smoking or using the toilet wash hands thoroughly with soap and water.
After each day use, wash contaminated clothing.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Coarse and fine solid granules. White or light yellow in colour.
Odour: None
pH: **Neutral** (pH =7)
Vapour Pressure: Not determined.
Vapour Density: Not determined.
Boiling Point/Range: Not determined.
Freezing Point: Not determined.
Solubility: Not soluble.
Bulk Density: Not available.
Flammability: Non-combustible solid.
Flash point: Not applicable.
Danger of Explosion: Not applicable.
Auto-Ignition temp: Not applicable.
Particle Size A proportion of the **dust** may be respirable (below 7 microns) and if it becomes airborne constitutes an exposure if inhaled.

SECTION 10 - STABILITY AND REACTIVITY

Chemical Stability: Stable under normal conditions
Conditions to Avoid: Dust generation
Incompatible materials: None
Hazardous reactions: None
Hazardous Decomposition Products: None

SECTION 11 - TOXICOLOGICAL INFORMATION

Health Effects:

Acute (Short Term)

Skin: May be mildly irritating and drying to the skin due to its physical characteristics.
Eye: Dust from product is irritating to the eyes. Exposure to dust may aggravate pre-existing eye conditions.
Swallowed: Unlikely under normal industrial use. Mildly abrasive to mouth and throat if swallowed.
Inhalation: Dust from product is mildly irritating to the nose, throat and respiratory tract and may cause coughing and sneezing. Pre-existing upper respiratory and lung diseases including asthma and bronchitis may be aggravated.

Chronic (Long Term)

Skin: Repeated heavy contact with the product may cause drying of the skin and can result in skin rash (dermatitis) typically affecting the hands. Over time this may become chronic.

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Inhalation: Repeated exposure to the **dust** from the product may result in increased nasal and respiratory secretions and coughing.

Repeated exposure to **HIGH LEVELS of dust** from the product may result in inflammation of lining tissue of the respiratory system with increased risk of bronchitis and pneumonia.

Long term occupational over-exposure or pro-longed breathing-in (or inhalation) of crystalline silica **dust from the product at levels above the NES** carries the risk of causing serious and irreversible lung diseases, including bronchitis, and silicosis (scarring of the lung).

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity: Richgro Playsand poses no ecology risk. The product is non-toxic to aquatic and terrestrial organisms and is not biodegradable.

Persistence and Degradability: Product is persistent and has a low-degradable. Product forms a mildly alkaline or neutral slurry when mixed with water.

Mobility: Low mobility would be expected in a landfill situation.

Product Dust: Crystalline Silica is non-toxic to aquatic and terrestrial organisms; is not biodegradable; is insoluble and is expected to have low mobility in landfill.

SECTION 13 - DISPOSAL CONSIDERATIONS

Disposal: Play sand can be treated as a common waste for disposal or dumped into landfill site in accordance with local authority guidelines.

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
UN Proper Shipping Name: None allocated
Transport Hazard Class: None allocated
Packing Group: None allocated
Environmental Hazards: Not applicable
Special precautions for user: See above
Hazchem Code: None allocated

SECTION 15 - REGULATORY INFORMATION

Safety, health and environmental regulations specific for the product: Dust generated from this product contains crystalline silica. Crystalline Silica (Quartz) in the form of respirable fraction (dust) is classified as Hazardous according to the Hazardous Chemical Information System (HCIS) Safe Work Australia (SWA).

Exposures by inhalation to high levels of dust may be regulated under the Hazardous Substances Regulations (State and Territory) as they are applicable to respirable Crystalline Silica.

Poisons Schedule Number: Not applicable

SECTION 16 - OTHER INFORMATION

The information and recommendations in this safety data sheet are, to the best of our knowledge accurate as of the date of issue. Nothing herein shall be deemed to create warranty, expressed or implied, and shall not establish a legally valid contractual relationship. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose and how it will be handled and used in the workplace, including in conjunction with other products.

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Abbreviations and acronyms

ADG Code	Australian Code for the Transport of Dangerous Goods by Road and Rail, 7th Edition
AICS	Australian Inventory of Chemical Substances
CAS Number	Chemical Abstracts Service Registry Number
Hazchem Code	Emergency action code of numbers and letters that provide information to emergency services especially firefighters
IARC	International Agency for Research on Cancer
mg/m³	Milligram per cubic metre
mg/kg	Milligram per kilogram
SUSMP	Standard for the Uniform Scheduling of Medicines & Poisons
SWA	Safe Work Australia, formerly ASCC and NOHSC
UN Number	United Nations Number