



Material Safety Data Sheet

FILTER SAND AND GRAVEL

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Issue Date: June 2010

Hazardous According to Criteria of Worksafe Australia

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

River Sands Pty Ltd
ACN 009 919 215
ABN 41 009 919 215
683 Beenleigh Redland Bay Rd
CARBROOK QLD 4129
Tel: +61 7 3287 6444
Fax: +61 7 3287 6445

Emergency Advice All Hours: Australia Wide: 131 126

Product Name: Filter Sand, Filter Gravel
All filter material is graded to tight tolerances.
Standard grades include but are not limited to the following sizes.
Non Standard Sizes are made to specifications supplied by customer.

Standard Products and Specifications

Product	W9	7C	6.5	6	5	4	3	2
Effective Size/ Range	0.1-0.5	0.56- 0.71	0.8-1.8	1.5-3.0	3.0-6.0	6.0- 12.0	12.0- 25.0	20.0-40.0
Uniformity Coefficient / Nominal	<1.5	<1.5	Nom +/- 8%	Nom +/- 8%	Nom +/- 8%	Nom +/- 8%	Nom +/- 8%	Nom +/- 8%

Use: Filter Media is produced to rigorous specifications, to allow certain components to be trapped, allowing liquids etc to flow on.

UN Number: None allocated

Proper Shipping Name: None allocated

Dangerous Goods Class: None allocated

Packing Group: None allocated

Hazchem Code: None allocated

Poison Schedule: None allocated

2. COMPOSITION / INFORMATION ON INGREDIENTS

Name	CAS	Proportion
Crystalline Silica (Quartz)	14808-60-7	~94%
Chert	not required	1-5%
Other non-hazardous	not required	1-5%

(Information taken from 2009, Petrographic Report)

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3. HAZARD IDENTIFICATION

Hazardous according to the criteria of Worksafe Australia. Product may contain crystalline silicate.

HEALTH EFFECTS

- Swallowed:** Not a likely source of exposure. May cause irritation to mouth, oesophagus and stomach.
- Eye:** May cause mechanical irritation in contact with the eyes, which can result in redness and itching. Not anticipated to cause permanent eye injury.
- Skin:** May cause mechanical irritation in contact with the skin
- Acute – Inhaled:** Inhalation may cause irritation to the mucous membrane and upper airways.
- Chronic-Inhaled:** Repeated inhalation of dust may result in excessive mucus and coughing. Because product may contain crystalline silica, repeated inhalation of high concentrations of respirable dust may cause scarring of the lung (silicosis), and chronic bronchitis, and may increase the risk of scleroderma (thickening of the connective tissue) and kidney disease.

4. FIRST AID MEASURES

- Swallowed:** Drink plenty of water and contact a Doctor if irritation develops. **DO NOT induce vomiting.**
- Eye:** If in eyes, flush with plenty of water for at least 15 minutes, ensuring eyelids are held open and see a Doctor if irritation continues.
- Skin:** If skin contact occurs, remove contaminated clothing and wash skin thoroughly with soap and water.
- Inhaled:** Move to fresh air. Monitor for respiratory distress. Seek medical attention if irritation occurs.
- First Aid Facilities:** Eye wash fountain shall be available.
- Advice to Doctor:** Treat symptomatically.

5. FIRE-FIGHTING MEASURES

- Fire/Explosion Hazard:** Non- flammable does not support combustion of other Materials, and will not cause dust explosions.
- Extinguishing media:** Not Applicable.
- Special fire fighting procedure:** Not Applicable
- Flammability:** Non flammable.

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6. ACCIDENTAL RELEASE MEASURES

EMERGENCY ACTION: None available

SPILL OR LEAK PROCEDURE: Not Applicable

SPILLS: Prevent entering sewer, stormwater drains or waterways. Avoid creating dust wet media or use vacuum to remove spill.

7. HANDLING AND STORAGE

Storage: No special storage precautions required.

Transport: Not classified as a Dangerous good, according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (6th Edition).

Proper Shipping Name: None allocated

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Standards

Crystalline Silica TWA 0.1 mg/m³ respirable dust

Total Respirable Dust TWA 10 mg/m³ (TWA maximum in a 8 hour period)

Do not store or consume food, drink or tobacco in an area where they may become contaminated with this material. Wash hand thoroughly before eating, smoking, applying cosmetics etc. Use safe hygiene practices. Thoroughly launder work clothes before reuse.

Engineering Controls

Local ventilation not normally necessary but should be considered if used in poorly ventilation or very confined space (Use a Air Purifying Respirator or wet sand to aid in the prevention of inhalation)

Personal Protection Equipment

CLOTHING: PVC or rubber apron, coveralls, safety shoes/boots.

GLOVES: PVC or rubber.

EYES: Safety glasses to protect eyes.

RESPIRATORY PROTECTION: Select and use respirators in accordance with AS/NZS 1715/1716. If used in poorly ventilated or very confined spaces, a standard disposable dust mask fitted with a type P1 filter should be used that complies with AS1716 Respiratory Devices and used in accordance with AS1715 which describes use and maintenance. Where dust is generated the use of an Air Purifying Respirator with a class P1 filter

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Fine to course grains varying in colour from brown/grey to light grey

Melting Point: > 1000 Degrees Celsius

Vapour Pressure: Not applicable

Specific Gravity: Approximately 2.6

Flash point: Not applicable

Flammable Limit LEL: Not applicable

Flammable Limit UEL: Not applicable

Solubility in Water: Insoluble

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10. STABILITY AND REACTIVITY

STABILITY:

Stable under normal conditions of use.

HAZARDOUS DECOMPOSITION PRODUCTS:

None allocated.

HAZARDOUS POLYMERIZATION:

Will not occur.

INCOMPATIBILITIES:

None allocated.

CONDITIONS TO AVOID:

None allocated.

11. TOXICOLOGICAL INFORMATION

No toxicological information is available for this product.

12. ECOLOGICAL INFORMATION

No environmental impact information is available for this product.
Avoid contaminating waterways, drains or sewers.

13. DISPOSAL CONSIDERATIONS

Refer to appropriate authority in your State. Dispose of material through a licensed waste contractor.
Normally, suitable for disposal by approved waste disposal agent.

14. TRANSPORT INFORMATION

UN Number: None allocated

Proper Shipping Name: None allocated

Dangerous Goods Class: None allocated

Packing Group: None allocated

Hazchem Code: None allocated

15. REGULATORY INFORMATION

Poison Schedule: This material is not poisonous.

Risk Phrases: None allocated

Safety Phrases: None allocated

Hazard Category: Hazardous to health (Irritant)

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16. OTHER INFORMATION

PRINCIPAL REFERENCES:

Material Safety Data Sheet – River Sands Pty Ltd

Issue date: 07/06/10

Issued by: Damien Wirth – Quality Manager

Supersedes: All previous Material Safety Data Sheets Issued

The customer is advised to consult the product Technical Data Sheets for further information including advice on suitable equipment.

Information used in the compilation of this MSDS obtained from investigations conducted at outside laboratories.

REASONS FOR UPDATE:

1. Three (3) year Company revision of MSDS.
MSDS's are updated frequently. Please ensure that you have a current copy.

Contact Point

Emergency Advice All Hours:

Australia Wide: 131 126

River Sands Pty Ltd

Tel: +61 7 3287 6444

Fax: +61 7 3287 6445

Disclaimer

This Material Safety Data Sheet should be used in conjunction with the Technical Data Sheet. It does not replace them. The information given is based on our knowledge of the health and safety data of this product, at the time of publication. It is given in good faith. The attention of the user is drawn to the possible risks incurred by using the product for any purpose other than that for which it was intended. If clarification or further information is needed to enable appropriate risk assessment, the user should contact River Sands Pty Ltd. our responsibility for products, sold is subject to our standard terms and conditions sent to customers. No liability whatsoever can be accepted with regard to the handling, processing or use of the product concerned which, in all cases, shall be in accordance with the appropriate regulations and / or legislation.

End of MSDS