



ACN 008 758 278 QEC2883

# Safety Data Sheet

## Silica:

# GRADED SANDS & GRAVELS

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### 1. IDENTIFICATION OF THE MATERIAL & COMPANY

Product: **Graded sands: -0.300mm, -0.425mm, Superfine, Foundry, Supercut, -1+0.5mm  
Graded gravels in CRS & GREY: -1+0.5mm, -2+0.85mm, -3.2+1.6mm, 6.4+3.2mm,  
-10+6.4mm, -20+10mm & +20mm**

Use: Foundry sand, concrete & mortar, filtration and drilling applications.  
This product is **NOT** to be used for abrasive blasting

Supplier **Cook Industrial Minerals P/L  
28 Cutler Road Jandakot 6164 WA**

Telephone **(08) 9417 1111**

**EMERGENCY TELEPHONE NUMBER (08) 9417 1111**

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### 2. HAZARDS IDENTIFICATION

**Hazardous nature statement:** The sands and or gravels as supplied are classified as **non-hazardous** by Safe Work Australia (SWA) criteria. CIM sands and gravels contain crystalline silica. The respirable dust (diameter less than 75um) of crystalline silica is classified as **hazardous**.

Dust on or in the supplied product or created when the product is crushed abraded etc. is **Hazardous**.

Please follow the recommendations on section 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**NOT CLASSIFIED AS A DANGEROUS GOOD**

**GHS Classification:** The product as supplied is not classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) including Australian regulations.

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### 3. COMPOSITION OF THE MATERIAL

Chemical Name	CAS#	Concentration
Quartz (Silica Crystalline)	14808-60-7	> 90%

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#### 4. FIRST AID MEASURES

Ingestion: DO NOT INDUCE VOMITING. Rinse the mouth with water. Give water to drink. If symptoms develop seek immediate medical assistance.

Eye Contact: Hold the eyelids open and irrigate the eyes with copious amounts of water for at least fifteen minutes. Seek immediate medical assistance if irritation occurs.

Skin Contact: Remove the contaminated clothing. Rinse the exposed skin thoroughly with water. Clean the contaminated clothing before reusing.

Inhaled: Move the person to a source of fresh air. Seek medical advice if symptoms such as coughing persist.

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#### 5. FIRE FIGHTING MEASURES

##### **HAZCHEM CODE: NONE ALLOCATED**

This material is not combustible. Flames on or in the vicinity of this material can be extinguished using conventional fire fighting agents and procedures.

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#### 6. ACCIDENTAL RELEASE MEASURES

Avoid dust formation by not dry sweeping spilled material. For large spills, wet spilled material with water and wear PVC gloves, dust goggles, overalls & a disposable Class P1 respirator (AS1715-1991). Collect and dispose of material.

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#### 7. HANDLING AND STORAGE

Store cool and dry. During storage and transport keep the material away from powerful oxidizing agents such as fluorine and corrosive substances such as hydrofluoric acid.

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#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Standards: Respirable quartz levels should not exceed 0.05mg per cubic metre of contaminated air.

Engineering Controls: Ensure general ventilation or local exhausts are adequate to maintain quartz exposures below 0.05mg per cubic metre of contaminated air. It is illegal to use this material as a wet or dry abrasive blasting medium. **Practice safe handling methods and use appropriately.**

Personal Protective Equipment: Respiratory protection detailed in AS1715-1991 is recommended for quartz exposures above 0.05mg per cubic metre of contaminated air. Prior to the use of a respiratory protective device, employees must be trained in its safe use and maintenance. Safety glasses with side shields should be worn as a minimum protection. Dust goggles should be worn when dust conditions are anticipated.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	White, grey or brown grains	Solubility:	Insoluble
Odour:	Odourless	Specific Gravity	2.65
Vapour Pressure:	Not relevant	Vapour Density	Not relevant
Melting Point:	1680 degrees Celsius	Boiling Point	Not available
Flammability:	Not combustible	Explosion Limits	Not relevant
pH:	7 (1% solution)	Ignition Temperature	Not relevant

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## 10. STABILITY AND REACTIVITY

Chemical stability:	Stable.
Conditions to avoid:	None.
Incompatible materials:	Oxidizing agents & hydrofluoric acid.
Hazardous decomposition products:	None.
Hazardous reactions: or	Contact with powerful oxidizing agents such as fluorine, chlorine trifluoride or manganese trifluoride may cause fires or explosions.

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## 11. TOXICOLOGICAL INFORMATION

Respirable crystalline silica (particle <0.007mm) has been classified as a hazardous substance by SWA and one for which health surveillance is required.

Ingestion:	Sand may cause some abdominal discomfort.
Eye Contact:	Sand may abrade and cause an inflammation of the eye.
Skin Contact:	Sand is abrasive and may be irritating to the skin.
Inhaled:	Sand may cause an inflammation of the respiratory system.
Chronic:	Exposure to respirable quartz in excess of exposure limits has caused silicosis, a progressive lung disease.

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## 12. ECOLOGICAL INFORMATION

Ensure appropriate measures are taken to prevent this material from entering the environment.

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## 13. DISPOSAL CONSIDERATIONS

Clean material can be re-used. Dispose of waste material only in accordance with the applicable federal, state & local laws and regulations.

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## 14. TRANSPORT INFORMATION

### **NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE**

UN Number:	None allocated	Hazchem Code:	None allocated
UN Shipping Name:	None allocated	Packaging Code:	None allocated
Dangerous Goods Class:	None allocated	EPG:	None allocated
Class & Subsidiary Risk:	None allocated		

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## 15. REGULATORY INFORMATION

Poisons Schedule: A poisons schedule has not been allocated to this material using the criteria in the standard for the Uniform Scheduling of Drugs and Poisons (SUSDP).

AICS: This material is listed on the Australian Inventory of Chemical Substances.

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## 16. OTHER INFORMATION

The data of this material safety data sheet are current at the time of issue and relate only to the material and not to its use in combination with any other material or in any process. Cook Industrial Minerals P/L disclaim responsibility for damages resulting from the use of or reliance upon the data of this material safety data sheet. No expressed or implied warranties are given other than those implied by Commonwealth, State or Territory legislation.

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