



MATERIAL SAFETY DATA SHEET

MSDS No.: 0001.022.00
Revision Date: December 16, 2011
Approved by: Darius Nitapon

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Ronkonkoma, NY 11779
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Chemical Product and Company Name

Section 1	Product	SAND	ITEM No.: CASE-B013
	Synonyms	Silicon dioxide; Quartz; Crystalline silica	
	CHEMTREC	24 Hour Emergency Phone Number (800) 424-9300	

Section 2 Composition/Ingredients Information

Chemical Name	CAS#	%	TLV Units
Sand (Crystalline silica)	14808-60-7	> 99%	TWA: 0.1mg/m³ (respirable dust)

Section 3 Hazards Identification

CAUTION! HIGH CONCENTRATION OF DUST MAY CAUSE RESPIRATORY IRRITATION. MAY CAUSE EYE IRRITATION. Target organs: Lungs	0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe	Health Flammability Physical Hazard Personal Protection	1* 0 0 C
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Section 4 First Aid Measures

INGESTION: Never give anything by mouth to unconscious person. Rinse mouth and get conscious person drink a glass of milk or water. Get medical advise.
INHALATION: Remove to fresh air. Get medical attention if necessary.
EYE CONTACT: Wash immediately with plenty of water, and continue washing for at least 15min., occasionally lifting upper and lower eyelids. Seek medical attention if irritation develops.
SKIN CONTACT: Remove contaminated clothing. Flush thoroughly with mild soap and water.

Section 5 Fire Fighting Measures

Sand will not support fire.

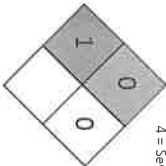
Extinguishing Media: Use any media suitable for extinguishing supporting fire.

Flash point: N/A

Autoignition temperature: N/A

Explosion limits: Lower: N/A

Upper: N/A



0 = Minimal
1 = Slight
2 = Moderate
3 = Serious
4 = Severe

Section 6 Accidental Release Measures

Recover for use if not contaminated. Sweep or vacuum up and place in a suitable container for proper disposal.
Wash spill area with soap and water.

Section 7 Handling and Storage

Read label on container before using. Do not wear contact lenses when working with chemicals. Keep container tightly closed. For laboratory use only. Not for drug, food or household use. Use only under adult supervision.

Handling: Use with adequate ventilation. Do not inhale dust. Wash hands thoroughly after handling.

Storage: Store in closed container in a dry area. Avoid moisture.

Section 8

Exposure Controls/ Personal Protection

Engineering controls: Ventilation must be adequate to maintain the ambient workplace atmosphere below the exposure limits outlined in section 3. Wear chemical splash goggles, chemical-resistant gloves, and chemical-resistant apron.

Respiratory protection: Non should be needed if normal laboratory handling at room temperature. Use NIOSH approved respiratory protection under dusty conditions.

Section 9

Physical and Chemical Properties

Physical state: Solid
Appearance: White, yellow or tan crystals or granules.
Odor: No odor
pH: 6-8
Vapor Pressure (mm Hg): N/A
Vapor Density: N/A
Evaporation Rate: N/A
Viscosity: N/A
Boiling point: 4046°F/2230°C
Melting point: 3110°F/1710°C
Freezing point: N/A
Decomposition temp: N/A
Solubility: Insoluble
Specific gravity (H₂O = 1): 2.65g/cc
Percent volatile (%): N/A
Molecular formula: SiO₂
Molecular weight: 60.09

Section 10

Stability and Reactivity

Chemical Stability: Stable
Conditions to Avoid: N/A
Incompatibilities: Contact with powerful oxidizing agents such as fluorine, chlorine trifluoride and oxygen difluoride may cause fires.
Hazardous decomposition: Silica will dissolve in hydrofluoric acid and produce the corrosive gas silicon tetrafluoride
Hazardous polymerization: Will not occur.

Section 11

Toxicological Information

Effects of overexposure: This product contains crystalline silica a naturally occurring component. Crystalline silica is a cancer suspect in humans from occupational sources and in manufacturing environments. Prolonged inhalation of the dust may cause coughing, sneezing and shortness of breath. Pre existing respiratory conditions may be affected by dust.

ORL-RAT LD₅₀: not available

IHL-RAT LD₅₀: not available

SKN-RABIT LD₅₀: not available

Section 12

Ecological Information

There is no reported Ecological toxicity for silica, a naturally occurring substance abundantly present in nature.

Section 13

Disposal Considerations

Disposal of in accordance with all local, state, and federal regulations, or contact with a licensed chemical disposal agency.

Section 14

Transport Information

UN number: N/A
Shipping name: not regulated
Hazard Class: N/A
Packing group: N/A
Exceptions: N/A

Section 15

Regulatory Information

TSCA-listed, EINECS-listed (238-878-4)

Section 16

Other Information

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