

Mike (Jim)



STANDARD SAND & SILICA CO.
P.O. BOX 1059, DAVENPORT, FL 33836
Material Safety Data Sheet

WARNING - SILICA SAND

SECTION I

Manufacturer's Name: Standard Sand & Silica Co.
Address: P.O. Box 1059 - 1850 Hwy. 17-92 North
Davenport, FL 33836
Emergency Telephone No.: 863-422-7100

Printed Date: Mayo 31, 2006
Product Class: N/A
Information Telephone No.: 863-422-7100
Llamada Gratis: 877-444-7263

SECTION II HAZARDOUS INGREDIENTS

Hazardous Components (Specified Chemical Identity: Common Name(s))
Quartz silica sand, crystalline silica, silicon dioxide (SiO₂)

Exposure Limits Respirable Dust
Osha Pels: 0.05 mg/m³ - 8 Hr Twa - 40 Hour Work Week
Acgih Tlvs: 0.025 mg/m³ - 8 Hr Twa - 40 Hour Work Week
Niosh: 0.05 mg/m³ - 8 Hr Twa - 40 Hour Work Week

(CAS Number: 14808-60-7)

SECTION III PHYSICAL CHEMICAL DATA

Boiling Point: Quartz - > 4046°F
Vapor Pressure (mm Hg.): N/A
Vapor Density (AIR =1): N/A
Evaporation Rate - (Butyl Acetate =1): N/A
Solubility in Water: Negligible

Appearance: White, tan to brown
Odor: None
Specific Gravity (H₂O = 1): 2.60 - 2.70
Melting Point: 3100°F, 1710°C
Physical State: Solid

SECTION IV FIRE & EXPLOSION HAZARD DATA

Flash Point (Method Used): Not flammable
Flammable Limits: Not flammable
Extinguishing Media: No fire or explosive danger
Special Fire Fighting Procedures: None
Unusual Fire and Explosion Hazards: Not known

SECTION V REACTIVITY DATA

Stability: Stable
Conditions to Avoid: Contact with incompatible materials.
Incompatibility (Materials to Avoid): Avoid fluorine, boron trifluoride, chlorine trifluoride, manganese trioxide and oxygen difluoride. May cause fire/explosion. Hydrofluoric acid dissolves silica producing a corrosive gas (silicon tetrafluoride).
Hazardous Decomposition or Byproducts: Will not occur
Hazardous Polymerization: Not known to polymerize.

SECTION VI HEALTH HAZARD DATA

ROUTE(S) OF ENTRY

Inhalation: Yes
Skin: No
Ingestion: Yes

Health Hazards **A. (Acute, Accelerated and Chronic):** Respiratory system (Respirable Dust) **Silicosis** - Individuals with pre-existing conditions of the lungs may have increased susceptibility to excessive exposures.
B. Autoimmune Diseases: Studies indicate connective tissue disorders, scleroderma.
C. Nephrotoxicity: Studies indicate an increased incidence of kidney disease.

Carcinogenicity: Quartz - IARC states known human carcinogen.

Signs and Symptoms of Exposure: Includes but not limited to: shortness of breath, fever, cough, weight loss, chest pain.

Medical Conditions Generally Aggravated by Exposure: Asthma and respiratory diseases.

EMERGENCY AND FIRST AID PROCEDURES

Respiratory: Remove to fresh air, clear nose and throat, consult physician if continued difficulty breathing.

Skin: Wash with soap and clean water.

Eye: Flush with clean water.

SECTION VII PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be taken in case material is released or spilled: Clean-up immediately. Wetting of spilled material will avoid airborne dust. Use of respiratory protective equipment may be necessary if spill is of a large quantity.

Waste disposal method: Dispose of waste materials only in accordance with applicable federal, state and local laws and regulations.

Precautions to be taken in handling and storing: BULK: Store in bins or containers. BAGGED: Secure any torn bags to avoid spillage. Use a NIOSH, OSHA or MSHA approved respirator that is permissible with quartz silica sand.

SECTION VIII CONTROL MEASURES

Respiratory Protection (Specify Type): A positive pressure full face respirator is required if respirable quartz silica sand dust exceeds 0.025 mg/m³ - 8Hr Twa - 40 Hour Work Week.

Ventilation: Local exhaust - general ventilation
Mechanical (general) - engineering controls.

Protective Gloves: Yes

Eye Protection: Goggles, glasses (side shields).

Other Protective Clothing or Equipment: Optional

Work/Hygienic Practices: Wear approved respirators, keep away from food, wash dust-exposed skin with soap and clean water, wash work clothes after each use.

SECTION IX REGULATION

Quartz is registered on the TSCA chemical inventory. However, it is not regulated.