

## Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard,  
29 CFR 1910.1200. Standard must be consulted for specific requirements.

### U.S. Department of Labor

Occupational Safety and Health Administration  
(Non-Mandatory Form)  
Form Approved  
OMB No. 1218-0072

Identity (As used on Label and List): **Specialty Sand Industrial Sand**

Section I - Manufacturer Information	
Manufacturer's Name: <b>Specialty Sand Company</b>	Emergency Telephone Number: <b>(281) 215-9500</b>
Address (Number, Street, City, State and Zip Code): <b>16601 Garrett Road Houston, Texas 77074</b>	Telephone Number for Information: <b>(281) 215-9500</b>
	Date Prepared: <b>20-Aug-01</b>
	Signature of Preparer (Optional):

Section II - Hazardous Ingredients/Identity Information				
Hazardous Components (Specific Chemical Identity: Common Name(s)) <b>CRYSTALLINE SILICA: QUARTZ</b>				
<b>CHEMICAL FORMULA: SiO<sub>2</sub></b>				
CAS NUMBER	CHEMICAL NAME	PERCENT %	OSHA PEL	ACGIH TLV
14808-60-7	SiO <sub>2</sub> (IN VARIANCE OF +2, +3, +5, +10)	N/A	10mg/M <sup>3</sup>	10mg/M <sup>3</sup>
			250Mppcf	300Mppcf
			5mg/M <sup>3</sup>	5mg/M <sup>3</sup>
			15Mppcf	
<b>NUISANCE DUST</b>				
<b>TOTAL DUST</b>			30mg/M <sup>3</sup>	30mg/M <sup>3</sup>
<b>SILICA IN DUST</b>			15mg/M <sup>3</sup> OR 50Mppcf	10mg/M <sup>3</sup> OR 30Mppcf

<b>Section III - Physical/Chemical Characteristics</b>			
Boiling Point	<b>N/A</b>	Specific Gravity (H <sub>2</sub> O =1)	<b>2.6g/cc</b>
Vapor Pressure (mmHg)	<b>N/A</b>	Melting Point	<b>N/A</b>
Vapor Density (AIR = 1)	<b>N/A</b>	Evaporation Rate (Butyl Acetate = 1)	<b>N/A</b>
Solubility in Water	<b>INSOLUBLE</b>		
Appearance and Odor	<b>REDDISH, BROWN OR TAN COLORING WITH GLASSY LUSTER, NO ODOR</b>		

<b>Section IV - Fire and Explosion Hazard Data</b>	
Flash Point (Method Used)	<b>N/A</b>
Flammable Limits	<b>N/A</b>
LEL	<b>N/A</b>
UEL	<b>N/A</b>
Extinguishing Media	<b>PRODUCT IS NON-FLAMMABLE AND NON-EXPLOSIVE</b>
Special Fire Fighting Procedures	<b>N/A</b>
Unusual Fire and Explosion Hazards	<b>N/A</b>

<b>Section V - Reactivity Data</b>			
Stability:	Unstable		Conditions to Avoid: <b>NONE</b>
	<b>YES</b>	Stable	<b>X</b> <b>NONE</b>
Incompatibility (Materials to Avoid)	<b>NONE</b>		
Hazardous Decomposition or Byproducts	<b>SHATTERING OF SAND PARTICLES SUCH AS IN SANDBLASTING OPERATIONS WILL PRODUCE A DUST WITH A HIGH INHALABLE SILICA CONTENT</b>		
Hazardous	May Occur		Conditions to Avoid: <b>NONE</b>

Polymerization	Will Not Occur	<b>X</b>	<b>NONE</b>
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<b>Section VI - Health Hazard Data</b>				
Route(s) of Entry:	Inhalation? <b>YES</b>	Skin? <b>NO</b>	Eyes? <b>YES</b>	Ingestion? <b>NO</b>
Health Hazards (Acute and Chronic)	<b>ACUTE - CONGESTION OF NASAL PASSAGES AND RESPIRATORY SYSTEM. CHRONIC - EXCESSIVE EXPOSURE BY INHALATION OF PARTICLES LESS THAN 5um MAY RESULT IN THE DEVELOPMENT OF SILICOSIS.</b>			
Carcinogenicity:	NTP? <b>YES</b>	IARC Monographs? <b>YES</b>		OSHA Regulated? <b>NO</b>
<b>IARC Monographs indicate evidence for the carcinogenicity of inhaled silica in humans.</b>				
Signs and Symptoms of Exposure	<b>OVEREXPOSURE MAY RESULT IN IRRITATION TO EYES, SKIN OR THE RESPIRATORY TRACT.</b>			
Medical Conditions Generally Aggravated by Exposure:	<b>RESPIRATORY DISORDERS OR DISEASES MAY BE AGGRAVATED BY EXPOSURE.</b>			
Emergency and First Aid Procedures	<b>FOR EYE CONTACT - FLUSH WITH WATER. FOR SKIN IRRITATION - WASH WITH SOAP AND WATER. FOR INHALATION EXPOSURE - MOVE TO FRESH AIR. FOR INGESTION - RINSE MOUTH WITH WATER.</b>			

<b>Section VII - Precautions for Safe Handling and Use</b>
Steps to Be Taken in Case Material is Released or Spilled: <b>WEAR PROPER PROTECTIVE EQUIPMENT MEETING OSHA 29 CFR 1910.134 TO AVOID EXPOSURE TO MATERIAL. POSSIBLE RESPIRATORY DISORDERS OR DISEASES MAY BE AGGRAVATED BY EXPOSURE TO NUISANCE DUST GENERATED DURING HANDLING OR USE. SPILLED MATERIAL SHOULD BE SWEEPED OR VACUUMED INTO APPROPRIATE CONTAINERS.</b>
Waste Disposal Methods: <b>IF THIS MATERIAL, AS PROVIDED BY THE MANUFACTURER, BECOMES A WASTE, IT DOES NOT MEET THE CRITERIA OF A HAZARDOUS WASTE AS DEFINED BY THE EPA UNDER THE AUTHORITY OF THE RCRA (40 CFR 261).</b>
Precautions to Be Taken in Handling and Storing: <b>SHOULD BE STORED IN A MANNER TO PREVENT ACCUMULATIONS OF AIRBORNE DUST</b> Other Precautions: <b>NONE</b>

### Section VIII - Control Measures

Respiratory Protection (Specify Type):  
**USE ONLY RESPIRATORS THAT MEET NIOSH AND MSHA STANDARDS UNDER 30 CFR PART III.**

Ventilation:  
**YES**

Local Exhaust:  
**PROVIDE ENOUGH VENTILATION TO  
MAINTAIN EXPOSURE BELOW TLV/PEL**

Special:  
**NONE**

Protective Gloves:  
**TO PROTECT FROM ABRASION.**

Eye Protection:  
**SAFETY GLASSES, GOGGLES, OR FACE  
SHIELD WHEN NECESSARY, TO PREVENT  
EYE INJURY.**

Other Protective Clothing or Equipment:  
**NONE**

Work/Hygienic Practices:  
**ALWAYS CLEAN PERSONAL EQUIPMENT AS RECOMMENDED BY MANUFACTURER.**

\*This Material Safety Data Sheet has been modified to fit the screen