

IDENTITY: Utility Sand

Section I – Manufacturer Information

A. Teichert & Son, Inc.
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EMERGENCY NUMBER: (916) 678-1901

Section II – Hazard Ingredients/Identity Information

<u>CHEMICAL NAME</u>	<u>CAS Number</u>	<u>OSHA (PEL)</u>	<u>ACGIH (TLV)</u>	<u>%</u>
Quartz*	14808-60-7	0.1 mg/m ³ *	0.1 mg/m ³	
Feldspar	N/E	N/E	N/E	
Silicates	N/E	N/E	N/E	

* OSHA PEL for crystalline silica in the form of quartz is = $10 \text{ mg/m}^3 \div (\% \text{ SiO}_2 + 2)$, and 50% of this value for cristobalite and tridymite.

Section III – Physical/Chemical Characteristics

Boiling Point: N/A
Vapor Pressure: N/A
Vapor Density: N/A

Specific Gravity: 2.5 – 2.8
Melting Point: N/A
Evaporation Rate: N/A

Solubility in Water: Nil

Appearance and Odor: Products are a combination of common sand, gravel and crushed rock; size of particulates varies according to product; no significant odor.

Section IV – Fire and Explosion Hazard Data

Flash Point (Method Used): N/A
LEL: 5%

Flammable Limits: N/E
UEL: 20%

Extinguishing Media: Water spray, carbon dioxide

Special Fire Fighting Procedures: Wear protective clothing and self contained breathing apparatus.

Unusual Fire and Explosion Hazards: Normal combustion forms carbon dioxide and water vapor. Minor amounts of the oxides of sulfur may be produced.

Section V – Reactivity Data

Stable or Unstable? Stable

Conditions to Avoid: None known

Incompatibility (Materials to Avoid): None

Hazardous Decomposition or Byproducts: None

Hazardous Polymerization May Occur or Will Not Occur? Will Not Occur

Conditions to Avoid: Product is non-reactive

Section VI – Health Hazard Data

Routes of Entry

Inhalation: Yes

Skin: No

Ingestion: Yes

Eye: Yes

Carcinogenicity: Yes

NTP:

IARC Monographs: Yes

OSHA Regulated:

Health Hazards:

Acute: Airborne particles can cause eye irritation, inhalation of very high levels of airborne dust for several weeks may produce coughing, fever and weight loss.

Chronic: Prolonged and routine inhalation of respirable quartz dust can lead to delayed lung disease known as silicosis. Early symptoms of silicosis include coughing, wheezing, shortness of breath, and increased likelihood of lung problems such as pneumonia.

Signs and Symptoms of Exposure:

Inhalation: Prolonged and routine inhalation of respirable quartz dust can lead to the lung disease known as silicosis.

Skin or eyes: Short term irritation

Ingestion: Not expected to be acutely toxic by ingestion.

Medical Conditions Generally Aggravated by Exposure:

Emergency and First Aid Procedure:

Inhalation – Move to fresh air.

Ingestion – Seek medical advice.

Skin – No hazard posed by skin contact. Use normal good hygiene practices.

Eyes – Flush eyes with water until free of particles. DO NOT RUB EYES. Seek medical attention if particles cannot be readily dislodged.

Section VII – Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled: Spilled product can simply be collected for re-use or disposal as non-hazardous waste. Avoid inhalation of dust by good work practices or through use of respiratory protection as necessary to maintain exposure below the CAL/OSHA permissible exposure limit (PEL).

Waste Disposal Method: Product is not classified as hazardous waste.

Precautions to be Taken in Handling and Storing:

Other Precautions:

Section VIII – Control Measures

Respiratory Protection:

Ventilation

Local Exhaust:

Mechanical:

Special:

Other:

Protective Gloves: Optional

Eye Protection: Recommended

Other Protective Clothing or Equipment: As required to meet applicable OSHA 1910.1000

Work/Hygiene Practices: N/A

Section IX – Additional Information

The information provided in this Material Safety Data Sheet represents data from the manufacturer and/or vendor and is accurate to the best of our knowledge. By providing this information, Delta Education LLC makes no guarantee or warranty, expressed or implied, concerning the safe use, storage, handling, precautions, and/or disposal of the products covered or the accuracy of the information contained in this fact sheet. It is the responsibility of the user to comply with local, state, and federal laws and regulations concerning the safe use, storage, handling, precautions, and/or disposal of products covered in this fact sheet.