



1341 W. Mockingbird Lane
Dallas, TX 75247

HMIS

HEALTH	2*
FIRE	0
PHYSICAL HAZARD	0
PPE	X

TXI Operations, LP

Material Safety Data Sheet

All Purpose Sand

SECTION 1 – IDENTITY

<p>Distributed by: TXI Operations, LP Address: 1341 W. Mockingbird Lane Dallas, TX 75247 Product Name: All Purpose Sand (TXI009) Chemical Name: Silica Sand Common Name: All Purpose Sand Chemical Family: Silicate Formula: Predominantly SiO₂, which may be blended with up to 50% limestone. Trade Name and Synonyms: All Purpose Sand, Play Sand, Silica Sand, Quartz Sand, Concrete Sand, Blended Sand, Mason Sand, Asphalt Sand, Filter Media, Foundry Sand, Golf Course Sand, Golf Sand Special Certification: N/A</p>	<p>Emergency Phone (CHEMTREC): 800-424-9300 Outside USA: 703-527-3887 Telephone for Information: Don Bell 972-647-7088 Telephone for Emergency: CHEMTREC 800-424-9300</p>
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MSDS prepared: August 1998

Last revised: March 2011

SECTION 2 – COMPOSITION AND INFORMATION ON INGREDIENTS

<u>Name</u>	<u>CAS #</u>	<u>%Typical</u>	<u>TLV (Units)</u>	<u>PEL (Units)</u>
Quartz	14808-60-7	50-100	0.025 mg/m ^{3*}	$\frac{10 \text{ mg}}{\text{m}^3}$ % SiO ₂ + 2 $\frac{30 \text{ mg}}{\text{m}^3}$ % SiO ₂ + 2
Calcium Carbonate	1317-65-3	0-50	10 mg/m ³	5 mg/m ^{3*} 15 mg/m ^{3**}

* Respirable Fraction

**Total Dust

TLV: Threshold Limit Value established by the American Conference of Governmental Industrial Hygienists (ACGIH).

PEL: Permissible Exposure Limit established by the Occupational Safety and Health Administration (OSHA).

This material, if it becomes a waste, is not classified as a RCRA hazardous waste (40 CFT 261).

SECTION 3 – PHYSICAL DATA

Appearance and Odor: Light colored, grainy sand. No odor.

Boiling Point: N/A

Percent Volatile by Volume: 0

Percent Soluble in Water: Negligible (<0.1)

Specific Gravity (H₂O=1): 2.6 - 2.7

Vapor Density (Air=1): N/A

Reactivity in Water: Will not evolve flammable or toxic gases

Freezing Point: N/A

Vapor Pressure (mmHg): N/A

Evaporation Rate (n-Butyl Acetate=1): N/A

Volatile Organic Content: N/A

SECTION 4 – FIRE AND EXPLOSION DATA

Flash Point: Will Not Ignite
Auto Ignition Temperature: N/A
Extinguishing Media: N/A
Unusual Fire and Explosion Hazards: None
Special Fire Fighting Procedures: This material, sand, may be used to smother fires.
Flammable Limits in Air (% by Volume)
Lower: N/A
Upper: N/A

SECTION 5 – HEALTH INFORMATION

HMIS Rating:

HEALTH	2*
FIRE	0
PHYSICAL HAZARD	0
PPE	X

(0 = Minimal, 1 = Slight, 2 = Moderate, 3 = Serious, 4 = Severe, * = Chronic Health Hazard)

Signs and Symptoms of Exposure

Acute Overexposure:

Inhalation:

Irritation or abrasion of nasal passages. Congestion of nasal passages and respiratory systems.

Eye Contact:

Irritation or abrasion of eyes. Excessive dust may cause severe abrasion of the cornea.

Skin Contact:

Irritation or abrasion of skin.

Ingestion:

None

Chronic Overexposure:

Inhalation:

Excessive exposure, by inhalation, to dusts of this material, over an extended period of time may result in the development of pulmonary diseases including pneumoconiosis, silicosis, or lung cancer. Dust can cause inflammation to the lining tissue of the interior of the nose.

Eye Contact:

Dust can cause inflammation of the cornea.

Skin Contact:

None

Medical Conditions Generally Aggravated by Exposure

Respiratory disorders or diseases may be aggravated by exposure.

Chemical/Component Listed as Carcinogen

Quartz:	NTP	IARC	OSHA
	YES	YES	NO

Other Exposure Limits

None

Emergency & First Aid Procedures for Indicated Routes of Entry

Inhalation: Remove to fresh air. Seek medical assistance immediately.

Eyes: Rinse with copious amounts of water for 15 minutes. Do not rub eyes. If irritation persists, seek medical assistance.

Ingestion: Seek medical assistance immediately.

SECTION 6 – REACTIVITY DATA

Stability: Stable

Conditions to Avoid: None Known.

Incompatibility (materials to avoid): None Known

Hazardous Polymerization: Will not occur.

Hazardous Decomposition or Combustion Products: None Known

SECTION 7 – SPILL OR LEAK PROCEDURES

Steps to be Taken in Case Material is Leaked or Spilled:

Wear personal protective equipment to prevent eye exposures. Use respiratory protection as necessary. Material not contaminated may be re-used. Avoid generation of excessive dusts.

Waste Disposal Method:

Consult federal, state and local regulations. Not classified as a hazardous waste under 40 CFR 261.

SECTION 8 – PERSONAL PROTECTION INFORMATION

Respiratory Protection

Not required under normal conditions. Select appropriate respirator based on the level of airborne contamination and presence of sufficient oxygen. Use only NIOSH/MSHA approved respirators. Follow OSHA respiratory regulations (29 CFR 1910.134) to ensure employee training and protection are adequate.

Ventilation

Use in well ventilated area.

Protective Gloves

Gloves to protect against abrasion.

Eye Protection

Goggles or safety glasses with face shield.

Other Protective Clothing or Equipment

Present exposure to the eyes. Personal protective clothing and use of equipment must be in accordance with 29 CFR 1910.132.

SECTION 9 – SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing

Store in a cool, dry, ventilated storage area in closed containers. Store in a manner to prevent accumulation of airborne dust.

Other Precautions

None Determined

SECTION 10 – OTHER INFORMATION

MSDS Contact Information:

Technical Contact:

972-647-7088

To Request a MSDS or Check for Updates:

972-647-3886

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall TXI Operations, LP, or its affiliates, be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if TXI Operations, LP, or its affiliates, have been advised of the possibility of such damages.