



# All Purpose Gravel

## MATERIAL SAFETY DATA SHEET

### HMIS Label

HEALTH	2*
FIRE	0
PHYSICAL HAZARD	0
PPE	X

### SECTION 1 – IDENTITY

**Distributed by:** TXI Operations, LP  
**Address:** 1341 W Mockingbird Lane  
Dallas, TX 75247

**Product Name:** All Purpose Gravel (TXI008)

**Chemical Name:** Silica and impurities

**Common Name:** All Purpose Gravel

**Formula:** Predominantly SiO<sub>2</sub>

**Trade Name and Synonyms:** River Rock, Pea Gravel, Washed Gravel, Coarse Aggregate

**MSDS prepared:** September 1996      **Last revised:** October 2004

**Emergency Phone (Chemtrec):** 800-424-9300

**Outside USA:** 703-527-3887

**Telephone for information:** Nancy Garnett  
972-647-3824

**Chemical Family:** Silicate

### SECTION 2 – HAZARDOUS INGREDIENTS

<u>Hazardous Component</u>	<u>CAS#</u>	<u>%Typical</u>	<u>TLV (Units)</u>	<u>PEL (Units)</u>
Quartz	14808-60-7	50-100	0.05 mg/m <sup>3*</sup>	10 mg/m <sup>3*</sup> %SiO <sub>2</sub> + 2  30 mg/m <sup>3**</sup> %SiO <sub>2</sub> + 2

\*Respirable Fraction

\*\*Total dust

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

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

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

### SECTION 3 – PHYSICAL DATA

**Boiling Point**

NA

**Specific Gravity (H<sub>2</sub>O=1)**

2.6-2.7

**Vapor Pressure (mmHg)**

NA

**Percent Volatile by Volume**

0

**Vapor Density (Air=1)**

NA

**Evaporation Rate (n-Butyl Acetate)**

NA

**Percent Soluble in Water**

Negligible (<0.1%)

**Reactivity in Water**

Will not evolve flammable or toxic gases

**Appearance and Odor**

Light tan or gray colored, rounded or coarse, no odor.

### SECTION 4 – FIRE AND EXPLOSION DATA

**Flash Point:** Will not ignite

**Extinguishing Media:** NA

**Unusual Fire and Explosion Hazards:** None

**Special Fire Fighting Procedures:** None

**Flammable Limits in Air (% by Volume):**

**Lower:** N/A    **Upper:** N/A

**Auto Ignition Temperature:** NA

## SECTION 5 – HEALTH INFORMATION

### Signs and Symptoms of Exposure

**Acute Overexposure:** Inhalation- Congestion of nasal passages and respiratory systems. Eye- Excessive dust may cause severe abrasion of the cornea.

**Chronic Overexposure:** 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 and inflammation of the cornea.

**Medical Conditions Generally Aggravated by Exposure:** Respiratory disorders or diseases may be aggravated by exposure

**Chemical/Component Listed as Carcinogen:**

	<u>NTP</u>	<u>IARC</u>	<u>OSHA</u>
Quartz	YES	YES	NO

**Other Exposure Limits:** None

### Emergency & First Aid Procedures for Indicated Routes of Entry

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.

Inhalation: Remove to fresh air. If breathing is difficult, 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. As packaged, 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:** Prevent exposure to the eyes.

## SECTION 9 – SPECIAL PRECAUTIONS

### Precautions to be Taken in Handling & Storing

Store in a manner to prevent accumulation of airborne dust.

**Other Precautions:** None determined.

### Other Information

Reasonable care has been taken in the preparation of this information, but the manufacturer nor preparer of the MSDS makes no warranty of merchantability or any other warranty, expressed or implied, with respect to this information. The manufacturer makes no representations and assumes no liability for any direct, incidental or consequential damages resulting from its use.

10/2004 revision prepared by: Nancy Garnett, TXI Operations, LP. Some information used in the generation of this MSDS was obtained from existing TXI MSDSs.