



## MATERIAL SAFETY DATA SHEET

## HMIS Label

HEALTH	1*
FIRE	0
PHYSICAL HAZARD	1
PPE	X

## SECTION 1 – IDENTITY

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

**Product Name:** TXI® Limestone (TXI005)

**Chemical Name:** Calcite or Dolomite

**Formula:** A sedimentary rock, primarily calcite.

**Trade Name and Synonyms:** Stone, Crushed Stone, Manufactured Sand, Sweet Rock

**MSDS prepared:** October 1997    **Last revised:** July 2004

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

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

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

**Chemical Family:** Carbonates

**Common Name:** Limestone

## SECTION 2 – HAZARDOUS INGREDIENTS

<u>Hazardous Component</u>	<u>CAS#</u>	<u>%Typical</u>	<u>TLV (Units)</u>	<u>PEL (Units)</u>
Calcium carbonate	1317-65-3	90 - 100	10 mg/m <sup>3</sup>	5 mg/m <sup>3*</sup> 15 mg/m <sup>3**</sup>
Quartz	14808-60-7	0 - 5	10 mg/m <sup>3</sup>	10 mg of respirable dust/ % SiO <sub>2</sub> + 2

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

## SECTION 3 – PHYSICAL DATA

**Boiling Point**

N/A

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

2.7

**Vapor Pressure (mmHg)**

N/A

**Percent Volatile by Volume**

N/A

**Vapor Density (Air=1)**

N/A

**Evaporation Rate (n-Butyl Acetate=1)**

N/A

**Percent Soluble in Water**

Slight (0.1 – 1.0 %)

**Reactivity in Water**

Will not evolve flammable  
or toxic gases

**Volatile Organic Content**

N/A

**Appearance and Odor**

Fine to coarse, rock-like solid. Gray to  
white in color. Musty odor

**Freezing Point**

N/A

## SECTION 4 – FIRE AND EXPLOSION DATA

**Flash Point:** N/A

**Auto Ignition Temperature:** N/A

**Extinguishing Media:** None

**Auto Ignition Temperature:** N/A

**Unusual Fire and Explosion Hazards:** None

**Special Fire Fighting Procedures:** None

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

**Lower:** N/A    **Upper:** N/A

## SECTION 5 – HEALTH INFORMATION

### Signs and Symptoms of Exposure

**Acute Overexposure:** Irritation or abrasion of skin, eyes, or nasal passages. Contact with the eyes may result in irritation or possible severe abrasion damage. Eye contact- May cause irritation or abrasion of the cornea, which may result in generally temporary damage to sight. Inhalation- May cause coughing, sneezing, or inflammation of respiratory passages. Dust may cause blockage of breathing passages. Skin Contact- Contact may cause abrasion. Ingestion- Stomach irritation and blockage.

**Chronic Overexposure:** Inhalation- Excessive exposure by inhalation over an extended period of time may result in the development of pulmonary diseases including pneumoconiosis, silicosis, and lung cancer. Dust can cause inflammation of the lining tissue of the interior of the nose. Eye contact- May cause irritation of the cornea. Skin Contact- Repeated overexposure may lead to irritation.

### Medical Conditions Generally Aggravated by Exposure

Respiratory disorders or diseases, dermatitis, or other skin disorders may be aggravated by exposure.

### Chemical/Component Listed as Carcinogen

Quartz

<u>NTP</u>	<u>IARC</u>	<u>OSHA</u>
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. If irritation persists, seek medical assistance.

Skin: Rinse with copious amounts of soapy water. If irritation persists, obtain medical assistance.

Ingestion: Do not induce vomiting. 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:** Handling procedures that may generate dust.

**Incompatibility:** Acids. May produce a violent, exothermic reaction. May evolve toxic gases or vapors depending on the acid involved.

**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 skin and eye exposures. Use PPE to protect against irritation. Use respiratory protection when necessary. Recover free product. Do not disperse dusts into the air. Prevent product from entering sewer or waterways. Product may be used if not contaminated.

### 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:** Abrasion resistant gloves

**Eye Protection:** Close fitting safety goggles

**Other Protective Clothing or Equipment:** Use protective clothing as needed to avoid skin contact such as long sleeve shirt, long pants extending over the tops of work shoes. 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 area in closed containers separate from acids. Avoid breathing dust. Removal of polyethylene pallet wrap may cause an electrostatic spark; therefore, avoid removing wrap in presence of flammable vapors.

**Product not regulated by DOT**

**Other Precautions:** Keep out of reach of children.

**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.