

**MATERIAL SAFETY DATA SHEET****HMIS Label**

| | |
|-----------------|----|
| HEALTH | 3* |
| 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[®] ZipCrete (TXI018A)

Chemical Name: N/A

Formula: N/A

Trade Name and Synonyms: N/A

MSDS prepared: September 1998 **Last revised:** November 2003

Emergency Phone (Chemtrec): 800-424-9300

Outside USA: 703-527-3887

Telephone for information: Nancy Garnett
972-647-3824

Chemical Family: N/A

Common Name: N/A

SECTION 2 – HAZARDOUS INGREDIENTS

| <u>Hazardous Component</u> | <u>CAS#</u> | <u>%Typical</u> | <u>TLV (Units)</u> | <u>PEL (Units)</u> |
|----------------------------|-------------|-----------------|----------------------|---|
| Portland Cement | 65997-15-1 | 50 - 60 | 10 mg/m ³ | 5 mg/m ^{3*} 15 mg/m ^{3**} |
| Quartz | 14808-60-7 | 40 - 50 | 10 mg/m ³ | 10 mg of respirable dust/ % SiO ₂ + 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 (H₂O=1)

2.6 – 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, gray powder mixed with sand
and/or rock, no 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 of skin, eyes, or nasal passages. When wet, contact with the skin or eyes may result in irritation, possible severe corrosion damage, and/or alkali burns. Eye contact- May cause irritation or alkali burns which may result in permanent damage to sight. Inhalation- May cause coughing, sneezing, or inflammation of respiratory passages. Skin Contact – Untreated contact may cause dermatitis and chemical burns. 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 inflammation of the cornea. Skin Contact- Repeated overexposure may lead to irritation and in some individuals a sensitivity to cement resulting in severe rashes.

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

| NTP | IARC | OSHA |
|-----|------|------|
| 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. Seek medical assistance immediately.

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. Seek medical assistance immediately.

SECTION 6 – REACTIVITY DATA

Stability: Stable

Conditions to Avoid: Handling procedures that may generate dust.

Incompatibility: Strong acids.

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 alkali burns or 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: Alkali resistant gloves

Eye Protection: Close fitting safety goggles

Other Protective Clothing or Equipment: Avoid skin contact. 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. Unintentional contact with water should be avoided to preserve product. 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.