1341 W. Mockingbird Lane
Dallas, TX 75247

HMIS

HEALTH	3*
FIRE	0
PHYSICAL HAZARD	1
PPE	X

TXI Operations, LP

Material Safety Data Sheet

Sakrete® Sand Mix 60 lb.

UPC #764661121602

SECTION 1 – IDENTITY

Distributed by: TXI Operations, LP
Address: 1341 W. Mockingbird Lane
Dallas, TX 75247
Product Name: Sakrete® Sand Mix (TXIxxx)
Chemical Name: N/A
Common Name: Sand Mix
Chemical Family: N/A
Formula: Mixture of Portland Cement, aggregate and/or sand
Trade Name and Synonyms: Sakrete® Concrete Mixes, Sakrete® Mortar Mix
Special Certification: N/A

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

MSDS prepared: January 2001

Last revised: June 2010

SECTION 2 – COMPOSITION AND INFORMATION ON INGREDIENTS

Name	CAS #	%Typical	TLV (Units)	PEL (Units)
Portland Cement	65997-15-1	Varies	10 mg/m^3	5 mg/m^{3*} 15 mg/m^{3**}
Quartz	14808-60-7	Varies	0.025 mg/m^3	10 mg of Respirable Dust / % SiO2 + 2 30 mg of Total Dust / % SiO2 + 2
Calcium Carbonate	1317-65-3	Varies	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: Fine, gray powder mixed with sand and/or rock. No odor.
Boiling Point: N/A
Percent Volatile by Volume: N/A
Percent Soluble in Water: Slight (0.1 – 1.0)
Specific Gravity (H_20=1): 2.5 - 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: N/A
Auto Ignition Temperature: N/A
Extinguishing Media: None
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

HMIS Rating:

HEALTH	**3***
FIRE	**0**
PHYSICAL HAZARD	**1**
PPE	**X**

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

Signs and Symptoms of Exposure

Acute Overexposure:

Inhalation:
Irritation of nasal passages. Do not breathe dust. May cause coughing, sneezing, or inflammation of respiratory passages.

Eye Contact:
Irritation of eyes. Keep out of eyes. May cause irritation or alkali burns which may result in permanent damage to sight.

Skin Contact:
Irritation of skin. Untreated contact may cause dermatitis and chemical burns. Alkali burns may occur without causing immediate pain, thus the product should not be left in contact with the skin or indirectly contacting the skin by soaking through clothing. Immediately remove any product from the skin, and remove any clothing that has been in contact with the product to avoid alkali burns.

Ingestion:
Stomach irritation and blockage.

Chronic Overexposure:

Inhalation:
Do not breathe dust from dried product. 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 which could require the person to avoid all contact with the product.

Ingestion:
None

Medical Conditions Generally Aggravated by Exposure
Dermatitis or other skin disorders may be aggravated by exposure. Allergic individuals should not continue exposure to this material.

Chemical/Component Listed as Carcinogen

	NTP	IARC	OSHA
Quartz:	YES	YES	NO

Other Exposure Limits
None

Emergency & First Aid Procedures for Indicated Routes of Entry

Inhalation: Remove to fresh air. If breathing is difficult, seek medical assistance immediately.

Eyes: Rinse with copious amounts of water for 15 minutes. Do not rub! Seek medical assistance immediately.

Skin: Rinse with copious amounts of soapy water. Use a neutralizing solution prior to or after washing to reduce irritation. If irritation persists, obtain medical assistance. Alkali burns may occur without causing immediate pain, thus the product should not be left in contact with the skin or indirectly contacting the skin by soaking through clothing. Immediately remove any product from the skin, and remove any clothing that has been in contact with the product to avoid alkali burns.

Ingestion: Do not induce vomiting. Seek medical assistance immediately.

SECTION 6 – REACTIVITY DATA

Stability: Stable
Conditions to Avoid: Handling procedures that may generate dust, including sawing or chipping of dried product.
Incompatibility (materials to avoid): Strong acids. Contact with acids may produce a violent, exothermic reaction and 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 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. Material will set up if not removed immediately. 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. Provide general ventilation and local exhaust.

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 and 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. Contaminated clothing should be removed and washed. Skin underneath, such as clothing, should be washed thoroughly (See First Aid above).

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.

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.