



1341 West Mockingbird Lane • Dallas, Texas 75247 • 972.647.6700 • www.txi.com

# MATERIAL SAFETY DATA SHEET

## SECTION 1 - IDENTITY

<b>Name</b> TXI OPERATIONS, LP	<b>Address</b> 1341 MOCKINGBIRD LANE, DALLAS, TEXAS 75247
<b>Emergency Telephone Number</b> (972) 647-6700	<b>Person Responsible for Preparation</b> NANCY GARNETT
<b>Common Name (used on label)</b> DRY CONCRETE MIX	<b>Date</b> NOVEMBER 1998
<b>Chemical Name</b> DOES NOT APPLY	<b>Chemical Family</b> DOES NOT APPLY
<b>Trade Name &amp; Synonyms</b> SAKRETE® CONCRETE MIXES, TXI® EZY MIX, SAKRETE® MORTAR MIX SAKRETE® SAND MIX, EZY-RIP-RAP, EZY RAP, PAYLESS CASHWAYS, FURROWS, CEMIX, CEMIX GROUT MIX	<b>Formula</b> MIXTURE OF PORTLAND CEMENT, SAND, AND/OR ROCK

## SECTION 2 - HAZARDOUS INGREDIENTS

Hazardous Component	CAS #	% Typical	TLV (Units)	PEL (Units)
SAND AND ROCK (QUARTZ)	14808-60-7	•	0.1 mg/m <sup>3</sup> **	0.1 mg/m <sup>3</sup> **
PORTLAND CEMENT	65997-15-1	•	10 mg/m <sup>3</sup>	15 mg/m <sup>3</sup> (total dust) 5 mg/m <sup>3</sup> **

\*Varies depending on product      \*\*Respirable fraction

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).

## SECTION 3 - PHYSICAL DATA

<b>Boiling Point</b> DOES NOT APPLY	<b>Specific Gravity (H<sub>2</sub>O = 1)</b> 2.6 - 2.7	<b>Vapor Pressure (mm = Hg)</b> DOES NOT APPLY
<b>Percent Volatile by Volume</b> 0%	<b>Vapor Density (Air = 1)</b> DOES NOT APPLY	<b>Evaporation Rate (n=Butyl Acetate)</b> DOES NOT APPLY
<b>Percent Soluble in Water</b> SLIGHT (0.1 - 1.0%)	<b>Reactivity in Water</b> WILL NOT EVOLVE FLAMMABLE OR TOXIC GASES	
<b>Appearance and Odor</b> FINE, GRAY POWDER MIXED WITH SAND AND/OR ROCK, NO ODOR		

**Hazardous Material Information System Identifier (HMIS)**  
HEALTH = 2\*    FLAMMABILITY = 0    REACTIVITY = 1    PERSONAL PROTECTION = X

## SECTION 4 - FIRE AND EXPLOSION DATA

<b>Flash Point</b> WILL NOT IGNITE	<b>Flammable Limits in Air (% by Volume)</b> Lower: DOES NOT APPLY    Upper: DOES NOT APPLY
<b>Extinguishing Media</b> DOES NOT APPLY	<b>Auto Ignition Temperature</b> DOES NOT APPLY
<b>Unusual Fire and Explosion Hazards</b> NONE	
<b>Special Fire Fighting Procedures</b> NONE	

## SECTION 5 - HEALTH INFORMATION

### Signs and Symptoms of Exposure - (1) Acute Overexposure

IRRITATION OF SKIN, EYES, OR NASAL PASSAGES. WHEN WET, CONTACT WITH THE SKIN OR EYES MAY RESULT IN IRRITATION AND/OR ALKALI BURNS.

### Signs and Symptoms of Exposure - (2) Chronic Overexposure

CEMENT DUST CAN CAUSE INFLAMMATION OF THE LINING TISSUE OF THE INTERIOR OF THE NOSE AND INFLAMMATION OF THE CORNEA. HYPERSENSITIVE INDIVIDUALS MAY DEVELOP ALLERGIC DERMATITIS. EXCESSIVE EXPOSURE BY INHALATION OVER AN EXTENDED PERIOD OF TIME MAY RESULT IN THE DEVELOPMENT OF PULMONARY DISEASES INCLUDING PNEUMOCONIOSIS AND SILICOSIS. OVER TIME, EXPOSURE COULD EVENTUALLY LEAD TO LUNG CANCER.

### 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

**INHALATION:** REMOVE FROM EXPOSURE. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. CONSULT A PHYSICIAN.

**EYE CONTACT:** IMMEDIATELY FLUSH EYES WITH LARGE QUANTITIES OF WATER FOR AT LEAST 15 MINUTES. CONSULT A PHYSICIAN.

**SKIN CONTACT:** IMMEDIATELY WASH SKIN THOROUGHLY WITH SOAP AND WATER.

## SECTION 6 - REACTIVITY DATA

### Stability

STABLE

### Conditions to Avoid

DOES NOT APPLY

### Incompatibility (Materials to Avoid)

MATERIAL IS HIGHLY ALKALINE. CONTACT WITH ACIDS WILL PRODUCE A VIOLENT, EXOTHERMIC REACTION AND MAY EVOLVE TOXIC GASES OR VAPORS, DEPENDING UPON THE ACID INVOLVED.

### Hazardous Decomposition or Combustion Products

DOES NOT APPLY

### Hazardous Polymerization

WILL NOT OCCUR

### Conditions to Avoid

DOES NOT APPLY

## SECTION 7 - SPILL OR LEAK PROCEDURES

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

CLEAN-UP OF SPILLS MAY REQUIRE PERSONAL PROTECTIVE EQUIPMENT TO PREVENT DUST EXPOSURES AND PROTECT AGAINST ALKALI BURNS OR IRRITATION. SEE SECTION 8.

### Waste Disposal Method

IF THIS MATERIAL, AS PACKAGED, BECOMES A WASTE, IT DOES NOT MEET THE CRITERIA FOR A HAZARDOUS WASTE AS DEFINED BY THE ENVIRONMENTAL PROTECTION AGENCY UNDER THE AUTHORITY OF THE RESOURCE CONSERVATION AND RECOVERY ACT (40CFR 261). DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

## SECTION 8 - PERSONAL PROTECTION INFORMATION

### Respiratory Protection

NIOSH/MSHA APPROVED FOR PROTECTION AGAINST CRYSTALLINE SILICA AND NUISANCE DUSTS.

### Ventilation

GENERAL OR LOCAL EXHAUST TO MAINTAIN EXPOSURE BELOW TLV/PEL.

### Protective Gloves

RUBBER, PVC, NEOPRENE OR OTHER IMPERVIOUS MATERIAL.

### Eye Protection

GOGGLES

### Other Protective Clothing or Equipment

RUBBER HIGH TOP BOOTS, BARRIER CREAMS, ARM SLEEVES AND APRONS MAY BE USED, WHEN NECESSARY, TO PREVENT SKIN CONTACT.

## SECTION 9 - SPECIAL PRECAUTIONS

### Precautions to be Taken in Handling & Storing

SHOULD BE STORED IN A MANNER TO PREVENT CONTACT WITH STRONG ACIDS. CONTACT WITH WATER SHOULD BE AVOIDED TO PRESERVE PRODUCT.

### Other Precautions

NONE

TXI006

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