



1341 W. Mockingbird Lane
Dallas, TX 75247

TXI Operations, LP

HMIS

HEALTH	2
FIRE	0
PHYSICAL HAZARD	1
PPE	X

Material Safety Data Sheet

Portland Cement 92.5 lb.

UPC #094138046092

SECTION 1 – IDENTITY

Distributed by:	TXI Operations, LP	Emergency Phone (CHEMTREC):	800-424-9300
Address:	1341 W. Mockingbird Lane Dallas, TX 75247	Outside USA:	703-527-3887
Product Name:	Portland Cement (TXI002)	Telephone for Information:	Don Bell 972-647-7088
Chemical Name:	N/A	Telephone for Emergency:	CHEMTREC 800-424-9300
Common Name:	N/A		
Chemical Family:	N/A		
Formula:	A heterogeneous mixture of basic calcium silicates, aluminates and ferrites with small impurities of magnesia, chromium and complex alkali metal compounds.		
Trade Name and Synonyms:	Portland Cement, Hydraulic Cement Types I, II, I/II, III, IIA, Class A, Class C and Class H.		
Special Certification:	NSF/ANSI-61		

MSDS prepared: November 1998

Last revised: June 2010

SECTION 2 – COMPOSITION AND INFORMATION ON INGREDIENTS

<u>Name</u>	<u>CAS #</u>	<u>%Typical</u>	<u>TLV (Units)</u>	<u>PEL (Units)</u>
Portland Cement	65997-15-1	90-96	10 mg/m ³	5 mg/m ^{3*} 15 mg/m ^{3**}
Gypsum	13397-24-5	2-5	10 mg/m ³	5 mg/m ^{3*} 15 mg/m ^{3**}
Calcium Carbonate	1317-65-3	0-5	10 mg/m ³	5 mg/m ^{3*} 15 mg/m ^{3**}
Blast Furnace Slag	85997-17-3	0-5	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).

SECTION 3 – PHYSICAL DATA

Appearance and Odor: Fine, gray powder. No odor.
Boiling Point: N/A
Percent Volatile by Volume: 0
Percent Soluble in Water: Slight (0.1 – 1.0)
Specific Gravity (H₂O=1): 3.05-3.20
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: Will not ignite
Auto Ignition Temperature: N/A
Extinguishing Media: 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

HMIS Rating:

HEALTH	2
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 the nose, throat and respiratory tract.

Eye Contact:

When wet, contact with eyes may result in irritation and/or alkali burns.

Skin Contact:

When wet, contact with the skin may result in irritation and/or alkali 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:

May cause blockage and alkali burns of mouth, throat and stomach.

Chronic Overexposure:

Inhalation:

Cement dust can cause inflammation of the lining tissue of the interior of the nose.

Eye Contact:

May cause inflammation of the cornea.

Skin Contact:

Hypersensitive individuals may develop allergic dermatitis.

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

None

Other Exposure Limits

None

Emergency & First Aid Procedures for Indicated Routes of Entry

Inhalation: Remove to fresh air. Seek medical assistance immediately.

Eyes: Rinse with copious amounts of water for 15 minutes. Seek medical assistance immediately.

Skin: Rinse with copious amounts of soapy water. Seek medical assistance if irritation develops. If allergic reaction occurs, avoid all future contact. 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. Drink copious amounts of water or milk. Seek medical assistance immediately.

SECTION 6 – REACTIVITY DATA

Stability: Stable

Conditions to Avoid: None Known

Incompatibility: Material is highly alkaline. Contact with strong acids will produce a violent, exothermic reaction and may evolve toxic gases or vapors, depending upon 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 respiratory protection as necessary. Prevent product from entering sewer or waterways.

Waste Disposal Method:

Consult federal, state and local regulations. This material, if it becomes a waste, is not classified as a RCRA hazardous waste (40 CFT 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

Chemical resistant gloves.

Eye Protection

Goggles or safety glasses with face shield.

Other Protective Clothing or Equipment

Avoid skin contact. Provide readily available eyewash stations.

SECTION 9 – SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing

Store in a cool, dry, ventilated storage area in closed containers. Avoid freezing temperatures during storage. Avoid breathing vapors. Store away from acids. Store away from water to preserve product.

Other Precautions

None Determined

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.