

WHITE PORTLAND CEMENT



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

MATERIAL SAFETY DATA SHEET

SECTION 1 - IDENTITY

Name	TXI OPERATIONS, LP	Address	1341 MOCKINGBIRD LANE, DALLAS, TEXAS 75247
Emergency Telephone Number	(972) 647-6700	Date	JANUARY 1997
Person Responsible for Preparation	NANCY GARNETT	Chemical Family	DOES NOT APPLY
Common Name (used on label)	WHITE PORTLAND CEMENT	Formula	A HETEROGENEOUS MIXTURE OF BASIC CALCIUM SILICATES, ALUMINATES AND FERRITES TOGETHER WITH SMALL IMPURITIES OF MAGNESIA, CHROMIUM AND COMPLEX ALKALI METAL COMPOUNDS.
Chemical Name	DOES NOT APPLY		
Trade Name & Synonyms	WHITE PORTLAND CEMENT, HYDRAULIC CEMENT TYPE I.		

SECTION 2 - HAZARDOUS INGREDIENTS

Hazardous Component	CAS #	% Typical	TLV (Units)	PEL (Units)
PORTLAND CEMENT	65997-15-1	90 - 96	10 mg/m ³	5 mg/m ³ *
GYPSUM	13397-24-5	2 - 5	10 mg/m ³	5 mg/m ³ *

* Respirable

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

Boiling Point	Specific Gravity (H ₂ O = 1)	Vapor Pressure (mm = Hg)
DOES NOT APPLY	3.05 - 3.20	DOES NOT APPLY
Percent Volatile by Volume	Vapor Density (Air = 1)	Evaporation Rate (n=Butyl Acetate)
0%	DOES NOT APPLY	DOES NOT APPLY
Percent Soluble in Water	Reactivity in Water	
SLIGHT (0.1 - 1.0%)	WILL NOT EVOLVE FLAMMABLE OR TOXIC GASES	
Appearance and Odor		
FINE, WHITE POWDER, NO ODOR		

Hazardous Material Information System Identifier (HMIS)

HEALTH = 2 FLAMMABILITY = 0 REACTIVITY = 1 PERSONAL PROTECTION = X

SECTION 4 - FIRE AND EXPLOSION DATA

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

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

<u>NTP</u>	<u>IARC</u>	<u>OSHA</u>
NO	NO	NO

Other Exposure Limits

NONE

Emergency & First Aide 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

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 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

TXI002A