



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 REBASE (TXI063)

Chemical Name: N/A

Formula: Mixture of stone, rock, recycled asphalt, recycled concrete, and cement.

Trade Name and Synonyms: Base, Cement Treated Base

Emergency Phone (Chemtrec): 800-424-9300

Outside USA: 703-527-3887

Telephone for information: Nancy Garnett
972-647-3824

Chemical Family: Mixture

Common Name: REBASE

MSDS prepared: August 2004

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	9 - 20	10 mg/m ³	5 mg/m ³ * 15 mg/m ³ **
FLY ASH	13397-24-5	0 – 4	10 mg/m ³	5 mg/m ³ * 15 mg/m ³ **
PETROLEUM RESIDUES	64741-56-6 68476-34-6	0 – 5	5 mg/m ³	5 mg/m ³ * 15 mg/m ³ **
LIMESTONE (CALCIUM CARBONATE)	471-34-1?? 1317-65-3	0 – 70	10 mg/m ³	5 mg/m ³ * 15 mg/m ³ **
QUARTZ	14808-60-7	15 – 84	0.05 mg/m ³ *	10 mg of respirable dust/ % SiO ₂ + 2
AMORPHOUS SILICA	60676-86-0	0 – 21	0.1 mg/m ³	10 mg of respirable dust/ % SiO ₂ + 2
LIGHTWEIGHT AGGREGATE	68334-37-2	0 – 40	3 mg/m ³	5 mg/m ³
CRISTOBALITE	14464-46-1	0 – 3	0.05 mg/m ³ *	5 mg of respirable dust/ % SiO ₂ + 2
ALUMINA	1344-28-1	0 – 2	10 mg/m ³	5 mg/m ³ * 15 mg/m ³ **

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).

* Respirable fraction

**Total dust

Contains constituents listed on the TSCA inventory.

This material, if it becomes a waste, is not classified as a RCRA hazardous waste (40 CFR 261).

SECTION 3 – PHYSICAL DATA

Boiling Point

N/A

Specific Gravity (H₂O=1)

2.40 - 2.60

Vapor Pressure (mmHg)

N/A

Percent Volatile by Volume

N/A

Percent Soluble in Water

Slight (0.1-1.0%)

Evaporation Rate (n-Butyl Acetate)

N/A

Reactivity in Water: Will not evolve flammable or toxic gases

Appearance and Odor: Gray, mud-like viscous substance with pieces of light brown aggregate, broken asphalt, and limestone rock. No odor.

SECTION 4 – FIRE AND EXPLOSION DATA

Flash Point: N/A

Unusual Fire and Explosion Hazards: Only recycled asphalt is flammable. **Lower:** N/A **Upper:** N/A

Extinguishing Media: Material is generally not flammable. Cooling of material with water may control combustion.

Special Fire Fighting Procedures: None

Autoignition Temperature: N/A

SECTION 5 – HEALTH INFORMATION

Signs and Symptoms of Exposure

Acute Overexposure: Irritation of skin or eyes. Contact with the skin or eyes may result in irritation, possible severe corrosion damage, and/or alkali burns. If response to exposure is delayed, permanent eye damage may occur. **Skin:** Untreated contact may cause dermatitis and chemical burns. **Inhalation:** Dusts from sawing of dry finished product may cause coughing, sneezing, or inflammation of the respiratory passages. **Ingestion:** May cause blockage and alkali burns of mouth, throat and stomach.

Chronic Overexposure: Hypersensitive individuals may develop allergic dermatitis. Material can cause inflammation of the cornea and of the lining tissue of the interior of the nose. Excessive exposure of dusts by inhalation over an extended period of time, such as from repeated exposures from sawing of finished product, may result in the development of pulmonary diseases including pneumoconiosis, silicosis, and lung cancer.

Medical Conditions Generally Aggravated by Exposure

Dermatitis and other skin disorders, or respiratory disorders or diseases may be aggravated by exposure.

Chemical/Component Listed as Carcinogen

Quartz and Cristobalite

NTP
Yes

IARC
Yes

OSHA
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 water for 15 minutes. Seek medical assistance if irritation develops.

Ingestion: Do not induce vomiting. Drink copious amounts of water or milk. Seek medical assistance immediately.

Inhalation: Remove to fresh air. If not breathing, administer artificial respiration. If breathing is difficult administer oxygen. Seek medical assistance immediately.

SECTION 6 – REACTIVITY DATA

Stability: Stable

Conditions to Avoid: Handling procedures causing splashing.

Incompatibility (materials to avoid): Material is highly alkaline. Contact with strong 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: If the recycled asphalt component of this material is in a fire, carbon monoxide or other combustion products could be emitted. The remainder of the components are not flammable.

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 designed to protect against alkali burns or irritation. Use respiratory protection if material has dried and is being sawed or cut in any manner to release particulates. Recover free product. Prevent product from entering sewer or waterways. Product should be removed from surfaces quickly prior to hardening in place to prevent permanent adhering to surface.

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. When material has dried and is chipped or cut, it may release dust particles. 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: 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, 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

Avoid contact with acids. Wet product may be hot to the touch. Product will harden in a short time.

Other Precautions:

None.

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.

8/2004 MSDS prepared by Nancy Garnett Some information used in the generation of this MSDS was obtained from existing TXI MSDSs.