



# Blacktop Patch

## MATERIAL SAFETY DATA SHEET

### HMIS Label

HEALTH	1
FIRE	2
PHYSICAL HAZARD	0
PPE	X

### SECTION 1 – IDENTITY

**Distributed by:** TXI Operations, LP  
**Address:** 1341 W Mockingbird Lane  
Dallas, TX 75247

**Product Name:** Sakrete® Blacktop Patch  
**Chemical Name:** N/A

**Trade Name and Synonyms:** Asphalt, Hot Mix-Cold Laid asphalt

**Formula:** Asphalt, Aggregate, and fuel oil

**MSDS prepared:** July 1997 **Last revised:** March 2003

**Emergency Phone (Chemtrec):** 800-424-9300  
**Outside USA:** 703-527-3887

**Telephone for information:** Nancy Garnett  
972-647-3824

**Chemical Family:** N/A  
**Common Name:** Blacktop

### SECTION 2 – HAZARDOUS INGREDIENTS

<u>Hazardous Component</u>	<u>CAS#</u>	<u>% Typical</u>	<u>TLV (Units)</u>	<u>PEL (Units)</u>
Modified Liquid Asphalt	N/A	3-7	N/A	N/A
Limestone	1317-65-3	93-97	10 mg/m <sup>3</sup>	15 mg/m <sup>3</sup> (total) 5 mg/m <sup>3</sup> (respirable)
Quartz (as a component of limestone)	14808-60-7	<5	0.1 mg/m <sup>3</sup> (respirable fraction)	<u>10 mg of respirable dust</u> % SiO <sub>2</sub> + 2
Hydrogen Sulfide	6/4/83	<1	5 ppm	50 ppm (10 min max peak) 20 ppm C

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).

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

### SECTION 3 – PHYSICAL DATA

**Boiling Point**  
145-375 °C

**Percent Volatile by Volume**  
1%

**Percent Soluble in Water**  
Insoluble

**Appearance and Odor**

Black tarry appearance, granular solid, with typical asphalt odor.

**Specific Gravity (H<sub>2</sub>O=1)**  
N/A

**Vapor Density (Air=1)**  
N/A

**Reactivity in Water**  
Will not evolve flammable  
or toxic gases

**Vapor Pressure (mmHg)**  
N/A

**Evaporation Rate (n-Butyl Acetate)**  
N/A

### SECTION 4 – FIRE AND EXPLOSION DATA

**Flash Point:** 85°C

**Unusual Fire and Explosion Hazards:** None

**Auto Ignition Temperature:** N/A

**Special Fire Fighting Procedures:** Do not direct water stream into burning material. Fumes from hot material may ignite, due to static discharge or other ignition sources.

**Flammable Limits in Air (fumes) (% by Volume):**

**Lower:** 0.7 **Upper:** 6.0

**Extinguishing Media:** Dry chemical, Carbon Dioxide, Water Fog/ spray.

## SECTION 5 – HEALTH INFORMATION

### Signs and Symptoms of Exposure

**Acute Overexposure:** Prolonged or repeated contact with skin may cause allergic skin reaction or photosensitization. May cause headache, dizziness, nausea and irritation to eyes, skin and upper respiratory tract.

**Chronic Overexposure:** Repeated overexposure to fumes can cause liver or kidney damage. May cause defatting and dermatitis of skin. Exposure to dusts from the aggregate in this product may result in the development of respiratory disorders including silicosis or pneumoconiosis, and may lead to lung cancer.

### Medical Conditions Generally Aggravated by Exposure

Dermatitis or other skin disorders may be aggravated by exposure.

### Chemical/Component Listed as Carcinogen

Quartz

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 immediately. Do not use solvents to remove asphalt.

**Ingestion:** Do not induce vomiting. Drink 250 milliliters water. Seek medical assistance immediately.

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

## SECTION 6 – REACTIVITY DATA

**Stability:** Stable

**Conditions to Avoid:** Non-reactive

**Incompatibility (materials to avoid):** Strong oxidizing materials

**Hazardous Polymerization:** Will not occur

**Hazardous Decomposition or Combustion Products:** Stable

## SECTION 7 – SPILL OR LEAK PROCEDURES

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

Remove all sources of ignition. Wear personal protective equipment to prevent skin and eye exposures. Use respiratory protection when necessary. Recover free product. Do not disperse dusts into the air. Prevent product from entering sewer or waterways. 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.

**Protective Gloves:** Polyurethane, PVC, or other impervious material.

**Eye Protection:** Chemical goggles or safety glasses with face shield to prevent eye contact.

**Other Protective Clothing or Equipment:** Arm sleeves and other skin protection to avoid skin contact.

## SECTION 9 – SPECIAL PRECAUTIONS

### Precautions to be taken in Handling & Storing

Store in a cool, dry, ventilated storage area in closed containers away from ignition sources. Electrically ground containers or equipment to prevent static. Avoid inhalation of fumes.

### Other Precautions:

Do not heat material for use.

### 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.

4/2003 revision prepared by: Michele Smith, CIH, Caldwell Engineering; PO Box 851325, Richardson, TX 75085; 972-889-7200.

Information used in the generation of this MSDS was obtained from existing manufacturers' MSDSs.