



Cement Color: Brown

MATERIAL SAFETY DATA SHEET

HMIS Label

HEALTH	0
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: Sakrete® Cement Color brown
Chemical Name: N/A
Formula: Mixture
Trade Name and Synonyms: Sakrete® Cement Color
MSDS prepared: March 2003

Emergency Phone (Chemtrec): 800-424-9300
Outside USA: 703-527-3887
Telephone for information: Nancy Garnett
972-647-3824
Chemical Family: Inorganic Metal Oxide
Common Name: Cement Color; Iron Oxide, Synthetic Iron oxide, Iron III Oxide

SECTION 2 – HAZARDOUS INGREDIENTS

<u>Hazardous Component</u>	<u>CAS#</u>	<u>%Typical</u>	<u>TLV (Units)</u>	<u>PEL (Units)</u>
Silicon Dioxide	7631-86-9	<4	3 mg/m ³ (respirable particulate) 10 mg/m ³ (inhalable particulate)	20 mppcf
Iron Oxide Yellow	51274-00-1	0-75	5 mg/m ³ (dust & fume as Fe)	10 mg/m ³ (dust & fume as Fe)
Iron Oxide Black	1317-61-9	5-40	5 mg/m ³ (dust & fume as Fe)	10 mg/m ³ (dust & fume as Fe)
Iron III Oxide (as major component of Iron Oxide Yellow)	1309-37-1	10-90	5 mg/m ³ (dust & fume as Fe)	10 mg/m ³ (dust & fume as Fe)

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).
Contains constituents listed on the TSCA inventory.

SECTION 3 – PHYSICAL DATA

Boiling Point N/A	Specific Gravity (H₂O=1) 4.4-5 @ 68°F; DIN 787/10	Vapor Pressure (mmHg) N/A
Percent Volatile by Volume N/A	Bulk Density 500-1100 kg/m ³ @ 68° F	Evaporation Rate (n-Butyl Acetate) N/A
Percent Soluble in Water Insoluble	Reactivity in Water N/A	pH 5-9 @ 50 g/l H ₂ O in aqueous suspension; DIN 787/9
Appearance and Odor Solid, brown or gold powder. Odorless.	Particle size (microns) 0.3-0.6	

SECTION 4 – FIRE AND EXPLOSION DATA

Flash Point: N/A

Unusual Fire and Explosion Hazards: None

Extinguishing Media: Material is not combustible or flammable.

Special Fire Fighting Procedures: None

Autoignition Temperature: Exposure to excessive heat, greater than 176 °F, can cause the portion of iron oxide black contained in this product to slowly auto-oxidize which generates additional heat. Under certain conditions, this heat may be sufficient to cause the packaging or nearby combustible materials to ignite.

Flammable Limits in Air (% by Volume):

Lower: N/A **Upper:** N/A

SECTION 5 – HEALTH INFORMATION

Signs and Symptoms of Exposure

Acute Overexposure: Mechanical abrasion to the skin or eyes from the removal of large amounts of dust. Inhalation may cause respiratory irritation, sneezing, coughing and runny nose.

Chronic Overexposure: Prolonged inhalation of amorphous silica may produce x-ray changes in the lungs without disability.

Medical Conditions Generally Aggravated by Exposure

None known.

Chemical/Component Listed as Carcinogen

<u>NTP</u>	<u>IARC</u>	<u>OSHA</u>
No	No	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. 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: Exposure to temperatures in excess of 176°F

Incompatibility (materials to avoid): N/A

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 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: Chemical resistant gloves

Eye Protection: Chemical goggles or safety glasses to prevent eye contact

Other Protective Clothing or Equipment: Avoid skin contact. Use protective clothing as needed to avoid skin contact.

Provide Eyewash stations and emergency showers in the work area.

SECTION 9 – SPECIAL PRECAUTIONS

Precautions to be taken in Handling & Storing

Store in a cool, dry, ventilated storage area in closed containers. Avoid breathing dust. Removal of polyethylene pallet wrap may cause an electrostatic spark; therefore, avoid removing wrap in presence of flammable vapors.

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.

6/2003 MSDS prepared by: Michele Smith, CIH, Caldwell Engineering; PO Box 851325, Richardson, TX 75085; 972-889-7200. Some information used in the generation of this MSDS was obtained from existing TXI MSDSs.