



# Cement Color: Terra Cotta

## MATERIAL SAFETY DATA SHEET

### HMIS Label

HEALTH	0
FIRE	0
PHYSICAL HAZARD	0
PPE	X

### SECTION 1 – IDENTITY

**Distributed by:** TXI Operations, LP  
**Address:** 1341 W Mockingbird Lane  
Dallas, TX 75247  
**Product Name:** Sakrete® Cement Color Terra Cotta  
**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	<1	3 mg/m <sup>3</sup> (respirable particulate) 10 mg/m <sup>3</sup> (inhalable particulate)	20 mppcf
Iron Oxide Yellow	51274-00-1	25-75	5 mg/m <sup>3</sup> (dust & fume as Fe)	10 mg/m <sup>3</sup> (dust & fume as Fe)
Iron III Oxide (as major component of Iron Oxide Yellow)	1309-37-1	25-75	5 mg/m <sup>3</sup> (dust & fume as Fe)	10 mg/m <sup>3</sup> (dust & fume as Fe)
Calcium Carbonate	1317-65-3	<5	10 mg/m <sup>3</sup>	15 mg/m <sup>3</sup> (total) 5 mg/m <sup>3</sup> (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).  
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

<b>Boiling Point</b> N/A	<b>Specific Gravity (H<sub>2</sub>O=1)</b> 3.8-4.1 @ 68°F; DIN 787/10	<b>Vapor Pressure (mmHg)</b> N/A
<b>Percent Volatile by Volume</b> N/A	<b>Bulk Density</b> 350-600 kg/m <sup>3</sup> @ 68° F	<b>Evaporation Rate (n-Butyl Acetate)</b> N/A
<b>Percent Soluble in Water</b> Insoluble	<b>Reactivity in Water</b> N/A	<b>pH</b> 4-7 @ 50 g/l H <sub>2</sub> O in aqueous suspension; DIN 787/9
<b>Appearance and Odor</b> Solid, gold or orange powder. Odorless.	<b>Particle size (microns)</b> 0.1-0.7	

## SECTION 4 – FIRE AND EXPLOSION DATA

Flash Point: N/A

Unusual Fire and Explosion Hazards: None

Auto Ignition Temperature: N/A

Special Fire Fighting Procedures: None

Flammable Limits in Air (% by Volume):

Lower: N/A Upper: N/A

Extinguishing Media: Material is not combustible or flammable.

## 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

NTP	IARC	OSHA
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:** Temperatures above 356°F will cause the iron oxide yellow to convert to iron oxide red

**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.

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