



LANXESS

Energizing Chemistry

MATERIAL SAFETY DATA SHEET

LANXESS Corporation
Product Safety & Regulatory Affairs
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USA

TRANSPORTATION EMERGENCY

CALL CHEMTREC: (800) 424-9300
INTERNATIONAL: (703) 527-3887

NON-TRANSPORTATION

LANXESS Emergency Phone: (800) 410-3063
LANXESS Information Phone: (800) LANXESS

1. Product and Company Identification

Product Name: SAKRETE® STUCCO COLOR PACK S 30 (MUSLIN) - BAYFERROX 6784 PIGMENT
Material Number: 6298435
Chemical Family: Inorganic Metal Oxide
Color Index Name: Pigment Red 101 and Yellow 42 and Black 11
Formula: Mixture of Fe₂O₃/FeOOH/Fe₃O₄

2. Hazards Identification

Emergency Overview

CAUTION! Color: Brown **Form:** solid Powder **Odor:** Odorless.
May cause eye, skin, and respiratory tract irritation. May cause lung damage.

Potential Health Effects

Primary Routes of Entry: Inhalation, Skin Contact, Eye Contact, Ingestion

Medical Conditions Aggravated by Exposure: Respiratory disorders, Eye disorders, Skin disorders

HUMAN EFFECTS AND SYMPTOMS OF OVEREXPOSURE

Inhalation

Acute Inhalation

For Product: SAKRETE® STUCCO COLOR PACK S 30 (MUSLIN) - BAYFERROX 6784 PIGMENT
May cause respiratory tract irritation with symptoms of coughing, sore throat and runny nose.

For Component: Calcium Carbonate

May cause respiratory tract irritation with symptoms of coughing, sore throat and runny nose.

For Component: Iron (III) Oxide

May cause mechanical irritation.

Skin

Acute Skin

For Product: SAKRETE® STUCCO COLOR PACK S 30 (MUSLIN) - BAYFERROX 6784 PIGMENT

May cause irritation with symptoms of reddening and itching.

For Component: Calcium Carbonate

May cause irritation with symptoms of reddening and itching.

For Component: Iron (III) Oxide

May cause mechanical irritation.

Eye

Acute Eye

For Product: SAKRETE® STUCCO COLOR PACK S 30 (MUSLIN) - BAYFERROX 6784 PIGMENT

May cause irritation with symptoms of reddening, tearing and stinging.

For Component: Calcium Carbonate

Causes irritation with symptoms of reddening, tearing, stinging, and swelling.

For Component: Iron (III) Oxide

May cause mechanical irritation.

Ingestion

Acute Ingestion

For Product: SAKRETE® STUCCO COLOR PACK S 30 (MUSLIN) - BAYFERROX 6784 PIGMENT

Not expected to be harmful if swallowed.

For Component: Calcium Carbonate

Not expected to be harmful if swallowed.

Other Effects of Exposure

For Component: Iron (III) Oxide

Prolonged inhalation (6 to 10 years) of iron oxide fume has been reported to produce changes in lung x-rays of exposed individuals. This condition, siderosis, is considered to be a benign pneumoconiosis that exhibits no adverse health effects. Siderosis has been observed among occupations such as arc-welders where iron oxide fumes are present. To the best of our knowledge, this condition has not been observed after prolonged exposure to iron oxide pigments.

Carcinogenicity:

No Carcinogenic substances as defined by IARC, NTP and/or OSHA.

3. Composition/Information on Ingredients

Hazardous Components

<u>Weight %</u>	<u>Components</u>	<u>CAS-No.</u>
60 - 100%	Calcium Carbonate	471-34-1
1 - 5%	Iron (III) Oxide	1309-37-1

4. First Aid Measures

Eye Contact

In case of contact, flush eyes with plenty of lukewarm water. Get medical attention if irritation develops.

Skin Contact

In case of skin contact, wash affected areas with soap and water. Get medical attention if irritation develops. Remove contaminated clothing and shoes. Wash clothing before reuse.

Inhalation

If inhaled, remove to fresh air. If breathing is difficult, give oxygen. Get medical attention if irritation develops.

Ingestion

If ingested, do not induce vomiting unless directed to do so by medical personnel. Get medical attention.

5. Fire-Fighting Measures

Suitable Extinguishing Media: water, foam, dry chemical

Unsuitable Extinguishing Agents: carbon dioxide (CO₂)

Special Fire Fighting Procedures

Firefighters should be equipped with self-contained breathing apparatus to protect against potentially toxic and irritating fumes.

Unusual Fire/Explosion Hazards

Toxic and irritating gases/fumes may be given off during burning or thermal decomposition.

6. Accidental release measures**Spill and Leak Procedures**

Cleanup personnel must use appropriate personal protective equipment. Remove mechanically by a method that minimizes the generation of airborne dust (vacuum cleaner, wet mopping, etc.) Collect and place in appropriately marked sealable containers for disposal.

7. Handling and Storage**Storage Period**

Unlimited in tightly closed containers.

Handling/Storage Precautions

Avoid contact with skin or clothing. Avoid contact with eyes. Use only with adequate ventilation/personal protection. Protect against weathering. Store in a dry place and avoid extreme fluctuations in temperature. Special conditions for opened packaging: Close bags after use to prevent the absorption of moisture and contamination.

Further Info on Storage Conditions

Material can be stored safely at ambient temperatures.

8. Exposure Controls / Personal Protection

Calcium Carbonate (471-34-1)

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

PEL: 5 mg/m³ (Respirable fraction.)

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

PEL: 15 mg/m³ (Total dust.)

Iron (III) Oxide (1309-37-1)

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

PEL: 10 mg/m³ (Fume.)

US. ACGIH Threshold Limit Values

Time Weighted Average (TWA): 5 mg/m³ (Respirable fraction.)

US. ACGIH Threshold Limit Values

Hazard Designation: Group A4 Not classifiable as a human carcinogen.

Industrial Hygiene/Ventilation Measures

General dilution and local exhaust as necessary to control airborne vapors, mists, dusts and thermal decomposition products below appropriate airborne concentration standards/guidelines.

Respiratory Protection

The following respirator is recommended if airborne concentrations exceed the appropriate standard/guideline., NIOSH approved, air-purifying particulate respirator with N-95 filters.

Hand Protection

gloves

Eye Protection

safety glasses with side-shields.

Skin and body protection

Wear cloth work clothing including long pants and long-sleeved shirts.

Additional Protective Measures

Employees should wash their hands and face before eating, drinking, or using tobacco products. Educate and train employees in the safe use and handling of this product. Emergency showers and eye wash stations should be available.

9. Physical and chemical properties

Form:	solid
Appearance:	Powder
Color:	Brown
Odor:	Odorless
pH:	4 - 8 @ 50 g/l
Melting Point:	Begins at 1,000 °C (1,832 °F)
Boiling Point/Range:	Not Established
Flash Point:	not applicable
Lower Explosion Limit:	Not Established
Upper Explosion Limit:	Not Established
Vapor Pressure:	not applicable
Specific Gravity:	4 - 5 @ 20 °C (68 °F)
Solubility in Water:	Insoluble
Autoignition Temperature:	Not Applicable

Decomposition Temperature: > 120 °C (> 248 °F)
Viscosity, Dynamic: not applicable
Bulk Density: 300 - 1,000 kg/m³

10. Stability and Reactivity

Hazardous Reactions

Hazardous polymerization does not occur.

Stability

Stable

Materials to avoid

None known.

Hazardous decomposition products

None known.

11. Toxicological Information

Toxicity Data for Calcium Carbonate

Acute Oral Toxicity

LD50: > 5,000 mg/kg (Rat)

Acute Inhalation Toxicity

LC0: 0.0812 mg/l, 90 min (rat)

Skin Irritation

rabbit, Draize, Exposure Time: 24 hrs, Moderately irritating

Eye Irritation

rabbit, Draize, Exposure Time: 24 hrs, Severely irritating

Mutagenicity

Genetic Toxicity in Vitro:

Ames: negative

Toxicity Data for C.I. Pigment Yellow 42

Acute Oral Toxicity

LD50: > 5,000 mg/kg (Rat)

Skin Irritation

rabbit, Non-irritating

Eye Irritation

rabbit, Non-irritating

Carcinogenicity

Rat, Male/Female, intraperitoneal, 8 w,
ambiguous

Toxicity Data for Iron (III) Oxide

Acute Oral Toxicity

LD50: > 5,000 mg/kg (Rat)

Acute dermal toxicity
LD50: 5,500 mg/kg (Rat)

Skin Irritation
rabbit, Acute Dermal Irritation, Exposure Time: 24 hrs, Non-irritating

Eye Irritation
rabbit, Acute Eye Irritation Study, Non-irritating

12. Ecological Information

Ecological Data for Calcium Carbonate

Biodegradation

The methods for determining biodegradability are not applicable to inorganic substances.

Bioaccumulation

Does not bioaccumulate.

Acute and Prolonged Toxicity to Fish

LC50: > 56,000 mg/l (Mosquitofish (Gambusia affinis), 96 hrs)

Ecological Data for C.I. Pigment Yellow 42

Acute and Prolonged Toxicity to Fish

EC50: > 1,000 mg/l (Golden orfe (Leuciscus idus), 48 h)

Toxicity to Microorganisms

> 10,000 mg/l, (Pseudomonas putida)

Ecological Data for Iron (III) Oxide

Acute and Prolonged Toxicity to Fish

LC0: > 1,000 mg/l (Golden orfe (Leuciscus idus), 48 hrs)

Toxicity to Microorganisms

EC0: > 5,000 mg/l, (Pseudomonas fluorescens, 24 hrs)

Toxicity Other Non-Mammal Terrestrial Species

No Harmful effects

13. Disposal considerations

Waste Disposal Method

Waste disposal should be in accordance with existing federal, state, provincial, and/or local environmental control laws.

Empty Container Precautions

Recondition or dispose of empty container in accordance with governmental regulations. Do not reuse empty container without proper cleaning.

14. Transport information

Land transport (DOT)

Non-Regulated

Sea transport (IMDG)

Non-Regulated

Air transport (ICAO/IATA)

Non-Regulated

15. Regulatory Information

United States Federal Regulations

OSHA Hazcom Standard Rating: Hazardous

US. Toxic Substances Control Act: Listed on the TSCA Inventory.

US. EPA CERCLA Hazardous Substances (40 CFR 302):

Components

None

SARA Section 311/312 Hazard Categories:

Acute Health Hazard, Chronic Health Hazard

US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A):

Components

None

US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 313 Toxic Chemicals (40 CFR 372.65) - Supplier Notification Required:

Components

None

US. EPA Resource Conservation and Recovery Act (RCRA) Composite List of Hazardous Wastes and Appendix VIII Hazardous Constituents (40 CFR 261):

If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste. (40 CFR 261.20-24)

State Right-To-Know Information

The following chemicals are specifically listed by individual states; other product specific health and safety data in other sections of the MSDS may also be applicable for state requirements. For details on your regulatory requirements you should contact the appropriate agency in your state.

Potential exposure to some or all of the California Proposition 65 chemicals in this product have been determined to be below the No Significant Risk Level (NSRL).

Massachusetts, New Jersey or Pennsylvania Right to Know Substance Lists:

<u>Weight %</u>	<u>Components</u>	<u>CAS-No.</u>
60 - 100%	Calcium Carbonate	471-34-1
>=1%	C.I. Pigment Yellow 42	20344-49-4
1 - 5%	Iron (III) Oxide	1309-37-1

California Prop. 65:

To the best of our knowledge, this product does not contain any of the listed chemicals, which the state of California has found to cause cancer, birth defects or other reproductive harm.

16. Other Information

NFPA 704M Rating

Health	1
Flammability	1
Reactivity	0
Other	

0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme

HMIS Rating

Health	1*
Flammability	1
Physical Hazard	0

0=Minimal 1=Slight 2=Moderate 3=Serious 4=Severe

* = Chronic Health Hazard

LANXESS Corporation's method of hazard communication is comprised of Product Labels and Material Safety Data Sheets. HMIS and NFPA ratings are provided by LANXESS Corporation as a customer service.

Contact Person: Product Safety Department
Telephone: (800) LANXESS
MSDS Number: R308001
Version Date: 08/04/2009
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Changes since the last version will be highlighted in the margin. This version replaces all previous versions.