



COLUMBUS CHEMICAL INDUSTRIES INC.

P.O. BOX 8
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Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910 1200. Standard must be consulted for specific requirements

U.S. Department of Labor

Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072

IDENTITY (as Used on Label and List)

Calcium Sulfate, hemihydrate

Note: Blank spaces are not permitted. If any item is not applicable or no information is available, the space must be marked to indicate that.

Section I

Manufacturers /Distributor Address Number Street City State and Zip Code

Columbus Chemical Industries, Inc.

N4335 Temkin Road

Columbus, WI 53925-0008

Emergency Telephone Number

CHEMTREC 1-800-424-9300

Telephone Number for Information

920-623-2140

Date Prepared

12-17-2004

Signature of Preparer (optional)

Section II - Hazardous Ingredients/Identity Information

Table with 6 columns: Hazardous Components (Specific Chemical Identity, Common Name(s)), CAS #, OSHA PEL, ACGIH TLV, Other Limits Recommended, % (optional). Row 1: Calcium Sulfate, 10034-76-1, 5 mg/m³ TWA Respirable, Not Available, Not Available. Row 2: 15 mg/m³ TWA Total dust.

SYNONYMS: Plaster of Paris, gypsum.

*OSHA establishes a PEL of 15 mg/m³ (total dust) and 5 mg/m³ (respirable dust) for "Particulates Not otherwise regulated".

Section III - Physical/Chemical Characteristics

Table with 4 columns: Property, Value, Property, Value. Boiling Point: Not Available; Specific Gravity (H₂O = 1): Not Available; Vapor Pressure (mm Hg): Not Available; Melting Point: 1450°C; Vapor Density (AIR = 1): Not Available; Evaporation Rate (Butyl Acetate = 1): Not Available.

Solubility in Water

Slightly soluble. 0.7g/100g water

Appearance and Odor

White powder.

Section IV Fire and Explosion Hazard Data

Table with 4 columns: Property, Flammable Limits, LEL, UEL. Flash Point (Method Used): Not flammable; Flammable Limits: Not Applicable; LEL: Not Applicable; UEL: Not Applicable.

Extinguishing Media

Carbon dioxide, dry chemical powder or appropriate foam.

Special Fire Fighting Procedures

In the event of a fire, wear full protective clothing and NIOSH/MSHA-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

Unusual Fire and Explosion Hazards

Emits toxic fumes under fire conditions.

Section V Reactivity Data

Stability	Unstable		Conditions to Avoid	Incompatibles, moisture
	Stable	X		

Incompatibility Materials to Avoid

aluminum, phosphorus, diazomethane

Hazardous Decomposition or Byproducts

Decomposition may produce toxic fumes of phosphorus oxides and phosphines.

Hazardous Polymerization**Conditions to Avoid**

	May Occur		Not Available
	Will Not Occur	X	

Section VI Health Hazard Data**Routes of Entry****Inhalation ?****Skin ?****Ingestion ?**

	Yes		Yes	Yes
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Health Hazards (Acute and Chronic)

SKIN: Causes irritation. EYE: Causes eye irritation. INHALATION: May be harmful if inhaled. Material is irritating to the mucous membranes and upper respiratory tract. INGESTION: May be harmful if swallowed.

Carcinogenicity**NTP****IARC Monographs****OSHA REGULATED?**

	Not Listed	Not Listed	Not listed
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Signs and Symptoms of Exposure.

Irritation, especially to mucous membranes of eyes and upper respiratory tract. Gastrointestinal discomfort, nausea, headaches and vomiting.

Medical Conditions Generally Aggravated by Exposure

Unknown to CCI.

Emergency and First Aid Procedures

INGESTION: If swallowed, wash out mouth with water if person is conscious.

EYES: In case of contact, immediately flush with large amounts of water for at least 15 minutes. INHALATION: If inhaled remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. SKIN: Immediately wash skin with soap and large amounts of water.

Section VII Precautions for Safe Handling and Use**Steps to be Taken in Case Material is Released or Spilled**

Evacuate area. Wear NIOSH/MSHA-approved respirator, chemical-resistant goggles, rubber boots, apron and heavy rubber gloves. Sweep up and place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

Waste Disposal Method Dispose of in accordance with all Federal, state, and local regulations.

Precautions to be Taken in Handling and Storing

Keep in tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage.

Other Precautions Containers, even when empty, will retain residue and vapors. Always obey hazard warnings and handle empty containers as if they were full.

Section VII Control Measures

Respiratory Protection (Specify Type) NIOSH/MSHA-approved respirator

Ventilation	Local Exhaust	Recommended.	Special	Heavy rubber gloves.
	Mechanical (General)	Required.	Other	N/A

Protective Gloves Chemical resistant gloves.

Eye Protection Chemical Safety goggles.

Other Protective Clothing or Equipment Rubber boots and clean body covering clothing.

Work /Hygienic Practices Contact lenses should not be worn when working with this material. Maintain eye wash fountain and quick-drench facilities in work area. Avoid all unnecessary exposure to the chemical substance and ensure prompt removal from skin, eyes and clothing. Wash thoroughly after handling. Avoid raising dust.

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