



COLUMBUS CHEMICAL INDUSTRIES INC.

P.O. BOX 8
 COLUMBUS, WISCONSIN 53925-0008
 (920) 623-2140
 FAX (920) 623-2577

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)

Barium Nitrate

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

P.O. Box 8, N4335 Temkin Rd.

Columbus, WI 53925-0008

Emergency Telephone Number

CHEMTREC 1-800-424-9300

Telephone Number for Information

920-623-2140

Date Prepared

8-07-2006

Signature of Preparer (optional)

Section II - Hazardous Ingredients/Identity Information

Hazardous Components

(Specific Chemical Identity, Common Name(s))

CAS #

OSHA PEL

ACGIH TLV

Other Limits

Recommended

% (optional)

Barium Nitrate*

10022-31-8

0.5 mg/m³ (Ba)

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*This product subject to SARA section 313 reporting requirements.

Section III - Physical/Chemical Characteristics

Boiling Point

Decomposes

Specific Gravity (H₂O = 1)

Not Available

Vapor Pressure (mm Hg)

Not Available

Melting Point

590°C (1094°F)

Vapor Density (AIR = 1)

Not Available

Evaporation Rate (Butyl Acetate = 1)

Not Available

Solubility in Water

Partially soluble

Appearance and Odor

White crystals

Section IV Fire and Explosion Hazard Data

Flash Point (Method Used)

non-flammable

Flammable Limits

LEL

UEL

Not Applicable

Not Applicable

Extinguishing Media

WATER only, no dry chemical, carbon dioxide, or halon

Special Fire Fighting Procedures

Self-contained air supply to protect from oxides of nitrogen. Move container from fire area if possible. Cool water to containers exposed to flames well after fire is out. For massive fire use unmanned hoses. Keep runoff from H₂O supply

Unusual Fire and Explosion Hazards

Noxious fumes (oxides of nitrogen) may form. Oxidizers decompose when heated to yield oxygen and other gases

which accelerate combustion. Contact with organics/other combustibles may result in explosion/ violent combustion

Section V Reactivity Data

Stability	Unstable		Conditions to Avoid	Avoid contact with organics,
	Stable	X		

Incompatibility Materials to Avoid

Many Organics and Combustible Materials, reducing agents, acids, alkalis, acetic anhydride.

Hazardous Decomposition or Byproducts

Oxides of Nitrogen and barium

Hazardous Polymerization**Conditions to Avoid**

	May Occur		No known conditions
	Will Not Occur	X	

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

Multiple	Yes	Yes	Yes
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Health Hazards (Acute and Chronic)

Skin and eye irritant. May cause burns with prolonged contact. Inhalation causes irritation to the upper respiratory tract may cause difficulty in breathing, shortness of breath. Ingestion is very harmful, can cause digestive tract irritation and pain.

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

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

Large Exposure: Dizziness, Abdominal Cramps, Vomiting, Bloody Diarrhea, Weakness, difficulty breathing, ringing in the ears. Small Exposure: Weakness, General Depression, Headache, Menal impairment, sneezing, coughing.

Medical Conditions Generally Aggravated by Exposure

n/a

Emergency and First Aid Procedures

INGESTION: If swallowed, call a physician immediately, DO NOT INDUCE VOMITING. Do not leave victim unattended. **EYES:** In case of contact, immediately flush with large amounts of water for at least 15 minutes. Call physician. **INHALATION:** If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call physician. **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**

Keep combustibles from spilled material. Wear glasses, chemical resistant gloves, apron and dust mask if necessary. Do not touch material. Sweep up avoid creating dust and place into clean container for disposal.

Waste Disposal Method

Observe all Federal, State, and Local regulations when disposing of this material. Disposal must comply with standards applicable to generators of hazardous waste.

Precautions to be Taken in Handling and Storing

Do NOT get on skin, clothing, or in eyes. Avoid breathing dusts. Keep out of reach of children. store in a cool, dry place. Avoid contact with flammable materials or oxidizable materials.

Other Precautions Avoid contact with combustible materials.

Section VII Control Measures**Respiratory Protection (Specify Type)**

Normally, none are needed, use dust mask if conditions warrant.

Ventilation**Local Exhaust**

Recommended

Special

Eye wash station

Mechanical (General)

N/A

Other

Safety Shower

Protective Gloves

Appropriate chemical-resistant gloves.

Eye Protection

Safety glasses

Other Protective Clothing or Equipment

Apron or lab coat.

Work /Hygienic Practices

Do NOT get on skin, clothing, or in eyes. Avoid breathing, Store in cool, dry place . Avoid contact with flammable materials. Avoid storing with combustible materials. Keep out of reach of children.