



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)

Mercuric Nitrate, 0.141N

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

Emergency Telephone Number

CHEMTREC 1-800-424-9300

Telephone Number for Information

920-623-2140

Date Prepared

01-25-2007

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)
Mercuric Nitrate***	7783-34-8	0.1 mg/m ³	0.025 mg/m ³	Not Available	2-3%
Nitric Acid***	7697-37-2	5 mg/m ³	5 mg/m ³	STEL:10mg/m ³	<1%

* Listed on California Proposition 65 lists- mercury compounds

**SYNONYMS: Mercury (II) Nitrate.

***This product subject to SARA section 313 reporting requirements.

Section III - Physical/Chemical Characteristics

Boiling Point	Not Available	Specific Gravity (H ₂ O = 1)	1.09
Vapor Pressure (mm Hg)	Not Available	Melting Point	Not Available
Vapor Density (AIR = 1)	Not Available	Evaporation Rate (Butyl Acetate = 1)	Not Available

Solubility in Water

Complete.

Appearance and Odor

Clear, colorless liquid.

Section IV Fire and Explosion Hazard Data

Flash Point (Method Used)	Flammable Limits	LEL	UEL
Nonflammable.		Not Applicable	Not Applicable

Extinguishing Media

Use extinguishing media appropriate for surrounding fire.

Special Fire Fighting Procedures

Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece respirator operated in positive pressure mode.

Unusual Fire and Explosion Hazards

Emits toxic fumes under fire conditions. Oxidizer!

Section V Reactivity Data

Stability	Unstable		Conditions to Avoid	Heat, alkaline conditions.
	Stable	X		

Incompatibility Materials to Avoid

Protect from light, moisture, strong oxidizers, alkali.

Hazardous Decomposition or Byproducts

Mercuric oxides, mercury, nitrogen oxides.

Hazardous Polymerization**Conditions to Avoid**

N/A	May Occur		Heat
	Will Not Occur	Will Not Occur	

Section VI Health Hazard Data

Routes of Entry	Inhalation ?	Skin ?	Ingestion ?
Multiple	Yes	Yes	Yes

Health Hazards (Acute and Chronic)

May be fatal if inhaled, ingested, or absorbed through the skin. Material is destructive to mucous membranes, upper respiratory tract, eyes, and skin. Inhalation may result in laryngospasm, chemical pneumonitis, pulmonary edema. May reproductive disorders.

Harmful to central nervous system, liver, kidney, gastrointestinal damage and developing fetus.

Carcinogenicity	NTP	IARC Monographs	OSHA REGULATED?
N/A	Possible - Mercury	Possible - Mercury	Not Listed

Signs and Symptoms of Exposure.

Burning sensation, coughing, wheezing, laryngitis, shortness of breath, headache, nausea, vomiting, stomach pain, diarrhea, and nervous system disturbances.

Medical Conditions Generally Aggravated by Exposure

Preexisting skin, respiratory tract, gastrointestinal tract, eye, and nervous conditions may be exacerbated by exposure.

Emergency and First Aid Procedures EYES/SKIN: Flush with large amounts of water for at least 15 minutes. Call a physician.

Remove contaminated clothing; wash contaminated clothing prior to reuse. INGESTION: Wash out mouth with provided person is conscious. Call a physician immediately. INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

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

Evacuate Area, Wear disposable protective clothing, rubber boots, heavy rubber gloves, and self-contained breathing apparatus to prevent contact with skin and eyes. Contain spill with dikes, sand or absorbent material. Sweep up and place in a bag and hold for waste disposal. Wash spill site after material pickup

Waste Disposal Method Comply with all applicable Federal, state, and local regulations.

Precautions to be Taken in Handling and Storing

Store in cool, well-ventilated area, out of direct sunlight. Keep containers tightly closed. Wash thoroughly after handling. Avoid breathing vapors.

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

Section VII Control Measures

Respiratory Protection (Specify Type) Wear MSHA / NIOSH-approved respirator with dust/mist cartridge.

Ventilation	Local Exhaust	Necessary.	Special	Eyewash nearby.
	Mechanical (General)	Recommended.	Other	Safety shower nearby.

Protective Gloves Chemical-resistant gloves. **Eye Protection** Safety goggles

Other Protective Clothing or Equipment Rubber apron, boots. Faceshield.

Work /Hygienic Practices Do NOT wear contact lenses. Wash thoroughly after handling. Avoid eye and skin contact. Avoid breathing vapors. Follow safe handling and laboratory practices. Wash hands prior to eating or smoking.

CORROSIVE! Avoid prolonged or repeated contact. KEEP AWAY FROM BEVERAGES AND FOODSTUFFS.

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