

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)

Silver Nitrate, 0.171N

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	Emergency Telephone Number
Columbus Chemical Industries, Inc.	CHEMTREC 1-800-424-9300
N4335 Temkin Road	Telephone Number for Information
Columbus, WI 53925	(920) 623-2140
	Date Prepared
	10-31-2006
	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)
Silver Nitrate*	7761-88-8	Not Available	10ug(Ag) / m ³	Not Available	2-3%

*Subject to the reporting requirements of SARA Title III Section 313.

Section III - Physical/Chemical Characteristics

Boiling Point	Not Available	Specific Gravity (H ₂ O = 1)	1.02
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 (in all proportions)

Appearance and Odor
 Colorless, odorless 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 with full facepiece operated in the pressure demand or other positive pressure mode.

Unusual Fire and Explosion Hazards

Toxic gases of nitrogen oxides may be produced. **Oxidizer!**

Section V Reactivity Data

Stability	Unstable		Conditions to Avoid	Light, incompatibles
	Stable	X		

Incompatibility Materials to Avoid

combustible materials, bromine trifluoride and trichloride, magnesium, phosphine, strong reducing agents.

Hazardous Decomposition or Byproducts

Oxides of nitrogen

Hazardous Polymerization**Conditions to Avoid**

	May Occur		Not Available
	Will Not Occur	X	

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

	No	Yes	Yes
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Health Hazards (Acute and Chronic)

INGESTION: May cause gastrointestinal discomfort. EYE CONTACT: May cause eye irritation.

SKIN: May cause skin irritation. LD₅₀ orl-mus 50 mg/kg Ag LD₅₀ ipr-mus 22 mg/kg Ag

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

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

Contact with skin or eyes may cause irritation, itching, redness, burning. Ingestion may cause gastrointestinal pain,

nausea and vomiting.

Medical Conditions Generally Aggravated by Exposure

Unknown to CCI

Emergency and First Aid Procedures

EYES: In case of contact, immediately flush with large amounts of water for at least 15

INGESTION: Get medical attention. Induce vomiting, if conscious. Keep victim warm and calm. **SKIN:** Wash with soap

and water. **INHALATION:** If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing

give oxygen. Call physician.

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

Evacuate area. Wear chemical-resistant goggles, rubber boots, apron and rubber gloves.

DO not allow entry to sewer. Absorb on non combustible absorbant, collect in to a clean container and hold for disposal. Ventilate area and wash spill site after material pickup is complete.

Waste Disposal Method Dispose in accordance with all applicable federal, state and local regulations.

Precautions to be Taken in Handling and Storing

Store in a cool, dry, well-ventilated area in tightly-closed, plainly-labelled containers. Store in a resistant area. Protect against heat, physical damage and light. Maintain adequate ventilation. Wash thoroughly after handling. Do not ingest. Protect exposed tissues. Store away from heat and incompatibles.

Other Precautions Do not get in eyes, on clothing. Use with adequate ventilation. 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 approved dust/mist respirator if airborne concentration is high.

Ventilation

Local Exhaust Recommended

Special Eye-wash station nearby.

Mechanical (General) Recommended

Other Safety shower nearby.

Protective Gloves Appropriate chemical resistant gloves

Eye Protection safety goggles

Other Protective Clothing or Equipment Uniform or apron to prevent contact.

Work /Hygienic Practices Wash exposed areas thoroughly after handling. Wash contaminated clothing before reuse.

Do **NOT** wear contact lenses. **OXIDIZING MATERIAL! Light sensitive.**