

MSDS DATE: 2/16/93
CHANGE NO.: 8745For Assistance, Contact:
Regulatory Affairs Dept.
PO Box 907 Ames, IA 50010
(800) 227-4224HACH COMPANY
PO BOX 907
AMES, IA 50010Emergency Telephone #
Rocky Mountain Poison Ctr.
(303) 623-5716**I. PRODUCT IDENTIFICATION**PRODUCT NAME: Silver Nitrate 1.128 ± 0.005N
CAS NO.: NA CHEMICAL NAME: Not applicable
FORMULA: Not applicable CHEMICAL FAMILY: Not applicable**II. INGREDIENTS**Silver Nitrate
PCT: <20 CAS NO.: 7761-88-8 SARA: LISTED
TLV: 0.01 mg/M3 as Ag PEL: 0.01 mg/M3 as Ag
RCRA: D011
HAZARD: Very toxic, corrosiveDeminerIALIZED Water
PCT: to 100 CAS NO.: 7732-18-5 SARA: NOT LISTED
TLV: Not applicable PEL: Not applicable
HAZARD: None**III. PHYSICAL DATA**STATE: liquid APPEARANCE: Clear and colorless ODOR: None
SOLUBILITY IN: WATER: Miscible ACID: Miscible OTHER: Not determined
BOILING POINT: >100C MELTING PT.: NA SPEC GRAVITY: 1.154 pH: 4.3
VAPOR PRESSURE: Not determined VAPOR DENSITY (air=1): ND
EVAPORATION RATE: 0.51 METAL CORROSIVITY - ALUMINUM: 0.55 in/yr
STEEL: 0.00 in/yr STABILITY: See Conditions to Avoid
STORAGE PRECAUTIONS: Store in a cool place protected from light.**IV. FIRE, EXPLOSION HAZARD AND REACTIVITY DATA**FLASH PT.: Not applicable METHOD: NA
FLAMMABILITY LIMITS - LOWER: NA UPPER: NA
SUSCEPTIBILITY TO SPONTANEOUS HEATING: None
SHOCK SENSITIVITY: None AUTOIGNITION PT.: NA EXTINGUISHING MEDIA: water
FIRE/EXPLOSION HAZARDS: May emit toxic fumes in fire
HAZARDOUS DECOMP. PRODUCTS: May emit toxic fumes of silver and nitrogen
oxides in fire
OXIDIZER: No NFPA Codes: Health: 0 Flammability: 0 Reactivity: 0
CONDITIONS TO AVOID: Exposure to light**V. HEALTH HAZARD DATA**THIS PRODUCT MAY BE: Irritating to eyes and skin.
ACUTE TOXICITY: Moderately toxic
ROUTES OF EXPOSURE: Ingestion
TARGET ORGANS: Not determined
CHRONIC TOXICITY: Not determined
ROUTES OF EXPOSURE: Not determined
TARGET ORGANS: Not determined
CANCER INFORMATION: An ingredient of this mixture is an experimental
tumorigen.
ROUTES OF EXPOSURE: Not determined
TARGET ORGANS: Not determined
OVEREXPOSURE: May cause irritation, discoloration of skin and eyes on
contact. Swallowing may cause severe abdominal pain and irritation of
digestive tract.
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: None reported**VI. PRECAUTIONARY MEASURES**Avoid contact with eyes and skin.
Wash thoroughly after handling.
PROTECTIVE EQUIPMENT: adequate ventilation, lab grade goggles, disposable
latex gloves**VII. FIRST AID**EYE AND SKIN CONTACT: Immediately flush eyes with water for 15 minutes. Call
physician. Wash skin with soap and plenty of water.
INGESTION: Give large quantities of water. Call physician immediately.
INHALATION: Not applicable**VIII. SPILL AND DISPOSAL PROCEDURES**IN CASE OF SPILL OR RELEASE: Cover the contaminated surface with sodium
bicarbonate or a soda ash-slaked lime mixture (50-50). Mix and add water
if necessary to form a slurry. Scoop up slurry and wash the site with
soda ash solution. The neutralized slurry may contain sufficient heavy
metal concentration to require landfilling or treatment at an EPA approved
site.
DISPOSE OF IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS.**IX. TRANSPORTATION DATA**D.O.T. PROPER SHIPPING NAME: Corrosive liquid, n.o.s.
(Silver Nitrate Solution)
HAZARD CLASS: Corrosive Material ID: UN1760I.C.A.O. PROPER SHIPPING NAME: Corrosive liquid, n.o.s.
(Silver Nitrate Solution)
HAZARD CLASS: 8 ID: UN1760 GROUP: IIII.M.O. PROPER SHIPPING NAME: Corrosive liquid, n.o.s.
(Silver Nitrate Solution)
HAZARD CLASS: 8 ID: UN1760 GROUP: III**X. REFERENCES**

- 1) TLV's Threshold Limit Values and Biological Exposure Indices for 1988-1989. American Conference of Governmental Industrial Hygienists, 1988.
- 2) Air Contaminants, Federal Register, Vol. 54, No. 12, Thursday, January 19, 1989, pp. 2332-2983.
- 3) In-house information
- 4) Technical judgment
- 5) Sax, N. Irving. Dangerous Properties of Industrial Materials, 6th Ed. New York: Van Nostrand Reinhold Co. 1984.

SARA: This product contains a chemical or chemicals subject to the reporting
requirements of section 313 of Title III of the Superfund Amendments and
Reauthorization Act of 1986 and 40 CFR Part 372.