

*Badger Supply
Health Center*

MATERIAL SAFETY DATA SHEET
Silver Nitrate

SECTION I IDENTIFICATION

INFO FURNISHED BY.....ENGELHARD SPECIALTY CHEMICALS DIV - Electronics Group
ADDRESS.....1 West Central Ave, E. Newark, NJ 07029
EMERGENCY PHONE.....201-268-7844 (day) or CHEMTREC 800-424-9300 (night)
PRODUCT NAME.....Silver Nitrate
MANUFACTURERS CODE.....N/A
DATE EFFECTIVE.....9/27/83

SECTION II HAZARDOUS INGREDIENTS

INGREDIENT	% approx	PEL	TLV	LEL %	UEL %	VAPOR PRESS mm Hg
Silver Nitrate (7761-88-8) as Ag	100	10ug/m ³	10ug/m ³	NA	NA	NA

SECTION III PHYSICAL DATA

PERCENT VOLATILE (by weight).....Not Determined
SPECIFIC GRAVITY (H₂O = 1).....4.35
APPEARANCE.....Colorless rhombic crystals
ODOR.....Odorless
VAPOR PRESSURE.....Not Applicable
VAPOR DENSITY.....Not Applicable
SOLUBILITY IN WATER.(% by Wt).....122
EVAPORATION RATE.....Not Applicable
MELTING POINT.....212 C (414 F)
DECOMPOSITION TEMPERATURE.....440 C (824 F)

SECTION IV FIRE AND EXPLOSION HAZARD DATA

FLASH POINT.....Not Applicable
METHOD USED.....Pensky Martens Closed Cup
EXTINGUISHING MEDIA.....CO₂, Dry Chemical, Foam
SPECIAL FIRE FIGHTING PROCEDURES....Wear protective clothing and self
contained breathing apparatus
UNUSUAL FIRE AND EXPLOSION HAZARDS..Oxidizing material. Increases
flammability of combustible, organic or
other oxidizable materials

Silver Nitrate

SECTION V HEALTH HAZARD DATA

ROUTES OF EXPOSURE....Eye, Skin and Inhalation.
ORAL TOXICITY.....Produces pigmentation of mucous membranes (Argyria)
LD₅₀ mus: 50 mg/Kg
INHALATION TOXICITY...Dusts, mists and aerosols are irritating to mucous
membranes.
DERMAL TOXICITY.....Expected to be moderately toxic.
SKIN IRRITATION.....Corrosive. Produces local pigmentation.
EYE IRRITATION.....Corrosive. Produces burns to cornea and pigmentation
of conjunctivae. Condition not reversible within 7
days. eye rbt: 1mg SEV
INGESTION.....Induce vomition by giving 2 glasses of water and
sticking fingers down throat. Call physician.
INHALATION.....Remove from containinated area. Call physician
SKIN CONTACT.....Remove contaminated clothing. Wash thoroughly with
soap and water. If discomfort persists, call physician
EYE CONTACT.....Flush thoroughly with water for 15 min, get immediate
medical assistance.

SECTION VI REACTIVITY DATA

STABILITY.....Stable
CONDITIONS TO AVOID.....Light
INCOMPATIBILITY (Materials to avoid)..Alkalies, chlorides, carbonates,
ferrous salts, and thiocyanates
HAZARDOUS DECOMPOSITION PRODUCTS.....NO_x and possibly metal oxide fumes

SECTION VII SPILL OR LEAK PROCEDURES

SPILL PROCEDURE...Sweep up spill. Place spill in closed container.
WASTE DISPOSAL....Dispose of according to Federal, State and local
regulations or send to refinery for recovery of precious
metal.

SECTION VIII SPECIAL PROTECTION INFORMATION

RESPIRATORY...Respirator in poorly ventilated areas
VENTILATION...Local exhaust
GLOVES.....Impervious
EYE.....Safety glasses or goggles
OTHER.....Apron or protective clothing recommended

SECTION IX SPECIAL PRECAUTIONS

HANDLING AND STORAGE..Keep containers tightly closed and store in cool, dry
area. Separate from readily combustible materials.
OTHER.....Wash hands and face after use, product contains silver.

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