

Material Safety Data Sheet

SILVER NITRATE

SECTION 1- IDENTITY

NAME Evident Crime Scene Products		ADDRESS 739 Brooks Mill Road, Union Hall, VA 24176	
TELEPHONE 800-576-7606	FOR ADDITIONAL INFORMATION CONTACT: Technical Support		DATE PREPARED: January 1, 2010
COMMON NAME (USED ON LABEL) SILVER NITRATE			CHEMICAL FAMILY: Inorganic Salt
CHEMICAL NAME: Does Not Apply	FORMULA: AgNO ₃	TRADE NAME & SYNONYMS: Silver Nitrate	

SECTION 2- HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENT	CAS#	TLV	PEL
SILVER NITRATE	7761-88-8	0.01mg/M3	0.01mg/M3

PEL: Permissible Exposure Limit established by Occupational Safety and Health Administration
TLV: Threshold Limit Value established by the American Conference of Governmental Industrial Hygienists

PHYSICAL DATA

BOILING POINT: 212C	SPECIFIC GRAVITY: 4.352	VAPOR PRESSURE: Not Volatile	VAPOR DENSITY: N/A
PERCENT VOLATILE (VOL) 0	SOLUBILITY (WATER) 100%	REACTIVITY IN WATER: None	EVAPORATION RATE: N/A
APPEARANCE AND ODOR: White colored crystals			

SECTION 4- FIRE AND EXPLOSION DATA

FLASH POINT: N/A	AUTO IGNITION TEMPERATURE N/A	FLAMMABLE LIMITS IN AIR (% by VOLUME) N/A
EXTINGUISHING MEDIA: Water Spray, Carbon Dioxide, or dry chemical powder		
UNUSUAL FIRE AND EXPLOSION HAZARDS: Emits toxic fumes under fire conditions		
SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus and protective clothing if involved in fire		

CONTINUED ON REVERSE SIDE

The above information is believed to be correct, but does not purport to be all inclusive and shall be used only as a guide. Evident Crime Scene Products & Crime Scene Supply, Incorporated shall not be held liable for any damage or injury to any party, or second party, or bystander resulting from the use, handling, or from contact with the above product.

SECTION 5- HEALTH INFORMATION

PRIMARY ROUTES OF EXPOSURE

Inhalation, ingestion, or absorption through skin

SIGNS & SYMPTOMS OF EXPOSURE
1: ACUTE OVEREXPOSURE:

May cause eye, skin, or respiratory irritation, Silver Nitrate is toxic

2: CHRONIC OVEREXPOSURE:

May cause skin discoloration (Argyria), Toxic

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

May cause eye, skin, or respiratory irritation

CHEMICAL /COMPONENT LISTED AS CARCINOGEN OR POTENTIAL CARCINOGEN:

None

OTHER EXPOSURE LIMITS:

Not established

EMERGENCY & FIRST AID PROCEDURES:

EYES: Flush with cool tap water for at least 15 minutes
SKIN: Wash thoroughly with warm water and soap
RESPIRATORY: Remove to fresh air, if distress continues, administer oxygen and contact physician
INGESTION: Toxic if ingested, if conscious- induce vomiting- immediately contact physician or poison control center

IN ALL CASES OF INGESTION, CONTACT PHYSICIAN OR NEAREST POISON CONTROL CENTER

SECTION 6- REACTIVITY DATA

STABILITY:

Stable

CONDITIONS TO AVOID:

high temperatures, moisture, contact with organics, do not store in wooden, cardboard, or paper container

INCOMPATIBILITY (MATERIALS TO AVOID)

Chlorides, Carbonates, Thiocyanates, Ammonia, Ferrous salts, Chlorosulphonic acid, Hydrogen Peroxide, Magnesium, Oxalic Acid

HAZARDOUS DECOMPOSITION PRODUCTS:

Toxic Fumes of carbon Monoxide, Carbon Dioxide, and Nitrogen Oxides under fire conditions

HAZARDOUS POLYMERIZATION:

Will not occur

CONDITIONS TO AVOID (POLYMERIZATION)

Not applicable for polymerization

SECTION 7- SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS LEAKED OR SPILLED:

Wear protective equipment. If liquid: small spills, absorb on paper towels, contain in plastic or glass container for disposal. If dries to a powder, pick up in a manner that minimizes spread of dust to air, vacuum up solids.

WASTE DISPOSAL METHOD:

Dispose of wastes in accordance with current Federal, State, and Local codes and guidelines.

SECTION 8- PERSONAL PROTECTION INFORMATION

RESPIRATORY PROTECTION:

In cases where dusts or powders exist- use NIOSH/MSHA Approved Respirator

VENTILATION:

Room ventilation is expected to be adequate except during spills or fires.

PROTECTIVE GLOVES:

Chemical resistant gloves

EYE PROTECTION:

Suggested when the potential of splashes or contact with the eyes or face is possible

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

An eye wash fountain and safety shower should be readily available where the potential for splashes or eye contact with the reagent exists

SECTION 9- SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

Store and handle according to package and MSDS directions. Store in cool, well-ventilated area. Keep away from reactive materials and away from fire hazard or source of ignition.

OTHER PRECAUTIONS:

Do not ingest, get in eyes, on skin, or on clothing. Avoid breathing dust or vapor. Wash thoroughly after handling.

SILVER NITRATE IS TOXIC- USE EXTREME CAUTION TO PREVENT INGESTION or INHALATION OF DROPLETS OR DUST OR LIQUID

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