

Material Safety Data Sheet

SILVER NITRATE CLEARING SOLUTION

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 Clearing Solution			CHEMICAL FAMILY: Inorganic Salt
CHEMICAL NAME: Does Not Apply	FORMULA: Does not apply	TRADE NAME & SYNONYMS: Clearing Solution for Silver Nitrate	

SECTION 2- HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENT	CAS#	TLV	PEL
MERCURIC NITRATE	7783-34-8	0.025mg/M3	0.025mg/M3
NITRIC ACID	7697-37-2	2 ppm	2 ppm

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: 100C	SPECIFIC GRAVITY: >1	VAPOR PRESSURE: ND	VAPOR DENSITY: ND
PERCENT VOLATILE (VOL) >99%	SOLUBILITY (WATER) 100%	REACTIVITY IN WATER: None	EVAPORATION RATE: Medium
APPEARANCE AND ODOR: Clear Liquid			

SECTION 4- FIRE AND EXPLOSION DATA

FLASH POINT: Not Combustible	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 Solids and dust: contact with combustibles may cause 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, Mercuric Nitrate is very toxic and corrosive

2: CHRONIC OVEREXPOSURE:

Toxic, cumulative poison,

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 copious amounts warm water and soap
RESPIRATORY: Remove to fresh air, if distress continues, administer oxygen and contact physician
INGESTION: Toxic if ingested, Do not 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)

Strong Oxidizing agents, Solids are sensitive to moisture

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.

MERCURIC NITRATE IS TOXIC- USE EXTREME CAUTION TO PREVENT INGESTION or INHALATION OF DROPLETS OR DUST OR LIQUID DO NOT USE TO REMOVE SILVER NITRATE STAINS FROM CLOTHING

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