

MATERIAL SAFETY DATA SHEET

(MSDS Sheet is in compliance with 29CFR 1910. 1200)

Manufacturer:
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Date Prepared: 02/ 4/98
CAT #: K7404-1

Product Trade name: 1% Stabilized Silver Nitrate Solution
Product Description: Warthin Rapid Starry Stain Kit Component

Section I Hazardous Composition Information

Hazardous Components	CAS No.	OSHA PEL	ACGIH / TLV	TWA
Silver Nitrate ACS	7761-88-8	n/a	n/a	0.01 (mg/m2)

Section II Physical and Chemical Characteristics

Specific Gravity: 1.1 (water = 1.0)@ 77 F
Solubility in Water : Soluble
SP. Gravity of Vapor: n/a
Evaporation Rate (n-Bu Acetate = 1): n/a
Vapor Pressure: n/a
Viscosity : n/a
Boiling Point: 188 F

Color: Colorless **Odor:** Slight Synthetic Odor **State:** Liquid

Section III Stability and Reactivity

Stability: Stable
Conditions to Avoid : n/a
Hazardous Polymerization: Will not occur
Incompatible Materials: Strong Alkalines, metals
Hazardous Decomposition Products: Products of biodegradation are toxic Nitric Oxides

Section IV Fire and Explosion Data

Flashpoint: Non-flammable
Flammable Limits: **LEL:** n/a **UEL:** n/a
Autoignition Temperature: n/a
Extinguishing Media: Foam, Dry Chemical, Water Spray, CO2;
Special Fire Fighting Procedure: n/a
Decomposition Products Under Fire Conditions: n/a

Section V Health Hazard Data

Acute Health Effects:

Eye Contact: May result in cornea damage and blindness.

Skin Contact: Slightly dangerous in case of skin contact. May cause inflammation and blistering. Corrosive to skin.

Inhalation: No inhalation hazard identified from available data

Ingestion: May be fatal.

Chronic Health Effects:

Eye Contact: Prolonged exposure will cause damage to cornea and result in blindness.

Skin Contact: Prolonged exposure will produce local skin destruction.

Inhalation: No inhalation hazard identified from available data.

Ingestion: May be fatal.

Medical Conditions Aggravated by Exposure: Repeated exposure to a toxic material may produce general deterioration of health by accumulation.

Section VI Emergency First Aid Procedures

Eye Contact: Flush eye with copious amounts of water or saline solution. Seek Medical Attention.

Skin Contact: Wash contact area with soap and water. If symptoms persist seek medical attention.

Inhalation: This product is not anticipated to produce an inhalation hazard under normal working conditions.

Ingestion: Do not induce vomiting. If victim not breathing, perform mouth to mouth resuscitation.

Section VII Spill, Disposal and Storage Methods

Accidental Spill: Immediately inform employees. Wear gloves and goggles and absorb spill with absorbent material. Clean spill with soap and water. Never use bleach or products containing chlorine or sodium hyposulfites.

Waste Disposal: All waste must be disposed in accordance to local, state, and federal regulations.

Storage: Store in original container or LDPP, HDPE or any plastic container. Corrosive to metals. Store at room temperature.

Section VIII Personal Protection and Handling

Ventilation: No special inhalation protection is recommended under anticipated normal use.

Respiratory Protection: No special respiratory protection is recommended under anticipated normal use.

Eye Protection: Wear goggles or splash resistant eyewear.

Protective Gloves: Wear latex gloves or impermeable protective gloves.

Other Protective Clothing or Equipment: Wear a rubber or plastic lab apron.

Hygienic Practices: Wash hands before meals or breaks.

Federal and State Regulations: Superfund Amendments and Reauthorization Act of 1996 (SARA) Title IV requires submission of annual report release of toxic chemicals that appear in 40 CFR, 372. This information must be included in all MSDS's that are copied and distributed for this material. Components present in this product at a level which would require reporting under the statute are : SILVER NITRATE

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