**Material Safety Data Sheet**

**Section 1 Identification**

- **Product Number:** C2487
- **Product Name:** Silver Nitrate Solution 0.01 N in Isopropanol
- **Health:** 2
- **Flammability:** 3
- **Reactivity:** 0
- **Hazard Rating:** Least Slight Moderate High Extreme 0 1 2 3 4
- **NA = Not Applicable NE = Not Established**
- **Formula:** ASTM D3227
- **RTECS:** None
- **C.A.S:** See Below

**Section 2 Component Mixture**

- **Sara 313**
- **Component**
  - Water, Deionized ASTM Type II
  - CAS # 7732-18-5 0.8% v/v None Established
  - Isopropyl Alcohol (2-propanol)
  - CAS # 67-63-0 Balance v/v OSHA TWA 400 ppm, STEL 500 ppm
  - Silver Nitrate
  - CAS # 7761-88-8 0.17% w/v OSHA PEL 0.01 mg (Ag)/m³

**Section 3 Hazard Identification (Also see section 11)**

- Keep away from heat and ignition sources. Harmful if swallowed. Avoid breathing vapors. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling. Keep container closed.

**Section 4 First Aid Measures**

- Keep away from heat and ignition sources. Harmful if swallowed. Avoid breathing vapors. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling. Keep container closed.

**FIRST AID:**
- **SKIN:** Wash exposed area with soap and water. If irritation persists, seek medical attention.
- **EYES:** Wash eyes with plenty of water for at least 15 minutes, lifting lids occasionally. Seek Medical Aid. **INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen
- **INGESTION:** Give several glasses of milk or water. Vomiting may occur spontaneously, but DO NOT INDUCE! Never give anything by mouth to an unconscious person.

**Section 6 Accidental Release Measures**

- Eliminate Ignition Sources. Neutralize with: Soda lime, soda ash. Absorb with vermiculite or other inert material. Place in container.

**Section 7 Handling and Storage**

- Keep away from heat and flame. Do not get in eyes, on skin, on clothing. Use with adequate ventilation.

**Section 8 Exposure Controls & Personal Protection**

- **Respiratory Protection:** Organic Vapor Cartridge
  - Ventilation: Mechanical
  - Hand Protection: NIOSH Approved Gloves
  - Local Exhaust: Yes
  - Eye Protection: Splash Goggles

**Section 9 Physical and Chemical Properties**

- **Melting Point:** -89°C Specific Gravity .79
- **Boiling Point:** 82°C Percent Volatile by Volume: >99
- **Vapor Pressure:** 33 mm Hg @ 25°C Evaporation Rate: 1.7
- **Vapor Density:** 2.1 (air=1) Evaporation Standard: Auto Ignition
  - Solubility in Water: Soluble Temperature: 399°C
  - Appearance and Odor: Clear colorless liquid/ mild odor
  - Flash Point: 12°C closed up Lower Flamm. Limit in Air: 2.0%
  - Upper Flamm. Limit in Air: 12.0%

**Section 10 Stability and Reactivity Information**

- **Stability:** Stable Conditions to Avoid: Avoid heat and ignition sources
- **Materials to Avoid:** Strong oxidizers, metals, strong bases, amines
- **Hazardous Decomposition Products:** Carbon Oxides
- **Hazardous Polymerization:** Will Not Occur
- **Condition to Avoid:** None known

**Section 11 Additional Information**

- Conditions aggravated/Target organs: Persons with preexisting skin, eye, respiratory disorders may be more susceptible. Acute: Irritation to skin, eyes, lungs, mucous membranes and GI tract, nausea, narcosis, drowsiness, dizziness. Chronic: Dermatitis, eye damage. Skin discoloration occurs with contact.