

***M S D S******Material Safety Data Sheet***

24 HOUR EMERGENCY  
TELEPHONE NUMBER  
CALL CHEMTREC  
1-800-424-9300

189 Twin County Road • Morgantown, PA 19543 • (610) 524-5810

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## Silver Nitrate 0.1% to 20%

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### **Section I: IDENTIFICATION**

*Product Name:* **Silver Nitrate 0.1% to 20%**

*Azer Scientific Catalog Number(s):* ES667-4, ES668-4, ES668-16, ES669-4, ES670-4, ES671-4

### **Section II: INGREDIENTS**

<i>Component(s):</i>	<i>CAS Number</i>	<i>OHSA PEL, ACGIH TLV/STEL</i>	<b><u>NFPA*</u></b>
Silver Nitrate 0.1% to 20%	7761-88-8	*0.01 mg/m <sup>3</sup>	Health 3 Flammability 0 Reactivity 0

\*Value are for concentrated material, not concentration provided

### **Section III: PHYSICAL DATA**

<i>Boiling Point:</i>	~212°F	<i>Specific Gravity (H<sub>2</sub>O = 1):</i>	~1
<i>Vapor Pressure mm Hg/20 °C:</i>	NE	<i>Percent Volatile by Vol:</i>	NA
<i>Vapor Density (Air 1:1):</i>	NE	<i>Evaporation Rate (ether = 1):</i>	>1
<i>Solubility in H<sub>2</sub>O:</i>	Complete	<i>Appearance &amp; Odor:</i>	Clear liquid, odorless

### **Section IV: FIRE/EXPLOSION HAZARD**

*Flash Point:* Non-Flammable      *Flammable Limits:* LEL: NA      UEL: NA

*Extinguishing Media:* Water Spray, dry chemical, CO<sub>2</sub> and foam

*Special Fire Fighting Procedures:* Wear protective clothing with NIOSH approved breathing apparatus. Products of combustion may be harmful in a fire situation. Do not use direct water stream.

*Unusual Fire & Explosion Hazards:* None known

### **Section V: REACTIVITY**

*Stability:* Stable

*Material to Avoid:* None known

*Hazardous Decomposition or Byproducts:* Nitrates

*Hazardous Polymerization:* Does not occur

*Conditions to Avoid:* Normal laboratory care

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**Section VI: HEALTH HAZARDS**

*Routes of Entry:* Inhalation, Skin and Ingestion

*Acute/Chronic:* Product is not expected to cause health hazards in the concentration presented.

*Carcinogenicity:* Not classified as a human carcinogen.

*Signs/Symptoms of Exposure:* Irritant.

**\*\*\*\*\**Emergency First Aid*\*\*\*\*\***

**Skin:** Remove contaminated clothing and change. Wash affected skin area with soap and water.  
Will stain skin on contact.

**Eyes:** Thoroughly flush eyes with water. Contact a physician if irritation persists.

**Ingestion:** Rinse mouth thoroughly with water, provided person is conscious and contact a physician.

**Inhalation:** Remove person to fresh air. If not breathing, give artificial respiration and contact physician.

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**Section VII: SAFE HANDLING**

*Chemical Release or Spill:* Isolate the spill area with sand, or other absorbent material. Place all contaminated material in a closed container for disposal.

*Waste Disposal Method:* All liquid and or contaminated material should be disposed of in DOT approved waste containers. Comply with all Federal, State and Local regulations for disposal.

*Precautions for Handling and Storing:* Normal laboratory care

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**Section VIII: CONTROL MEASURES**

*Respiratory Protection:* Not normally required.

*Ventilation:* Mechanical exhaust is sufficient

*Protective Gloves:* Chemical resistant      *Eye Protection:* Safety glasses

*Other Protective Clothing or Equipment:* Normal laboratory apparel as suggested by Good Laboratory Practices

*Work/Hygienic Practices:* Wash thoroughly with soap and water after handling.

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