

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

AZER SCIENTIFIC™

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

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

**Silver Nitrate 0.1%****Section I: IDENTIFICATION**

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

*Azer Scientific Catalog Number(s):* ES667-4

**Section II: INGREDIENTS**

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

---

**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.

---

**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

---

**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.

---

|  |
|--|
| <p>AZER SCIENTIFIC INC. MAKES NO REPRESENTATION AS TO THE COMPREHENSIVENESS OR ACCURACY OF THIS INFORMATION. INDIVIDUALS RECEIVING THIS INFORMATION MUST EXERCISE THEIR INDEPENDENT JUDGMENT IN DETERMINING ITS APPROPRIATENESS FOR A PARTICULAR PURPOSE. ACCORDINGLY, AZER SCIENTIFIC INC. WILL NOT BE RESPONSIBLE FOR DAMAGES OF ANY KIND OR NATURE RESULTING FROM THE USE OF ANY SUCH INFORMATION. NO REPRESENTATIONS OR WARRANTIES OF ANY KIND OR NATURE, INCLUDING BUT NOT LIMITED TO, EXPRESS WARRANTIES, IMPLIED WARRANTIES OF MERCHANTABILITY, OR WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE, ARE MADE HEREUNDER WITH RESPECT TO THE INFORMATION SET FORTH HEREIN OR TO THE PRODUCT TO WHICH THE INFORMATION REFERS.</p> |
|--|