

## Silver Nitrate Solution 0.2 M or Less Safety Data Sheet (SDS)

### SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

#### Silver Nitrate Solution 0.2 M or Less

Signal Word  
**WARNING**

Flinn Scientific, Inc. P.O. Box 219, Batavia, IL 60510 (800) 452-1261

Chemtrec Emergency Phone Number: (800) 424-10254

Pictograms

### SECTION 2 — HAZARDS IDENTIFICATION

Hazard class: Skin and serious eye damage, corrosion or irritation (Category 2, 2A). Causes skin and serious eye irritation (H315+H319).



### SECTION 3 — COMPOSITION, INFORMATION ON INGREDIENTS

| Component Name | CAS Number | Formula           | Formula Weight | Concentration |
|----------------|------------|-------------------|----------------|---------------|
| Silver nitrate | 7761-88-8  | AgNO <sub>3</sub> | 169.87         | 5% or less    |
| Water          | 7732-18-5  | H <sub>2</sub> O  | 18.00          | 98%+          |

### SECTION 4 — FIRST AID MEASURES

Call a POISON CENTER or physician if you feel unwell.

**If inhaled:** Remove victim to fresh air in a position comfortable for breathing.

**If in eyes:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so.

Continue rinsing (P305+P351+P338). **If eye irritation persists eyes:** Get medical advice or attention (P337+P313).

**If on skin:** Wash with plenty of water (P302+P352). **If skin irritation occurs:** Get medical advice or attention (P332+P313).

**If swallowed:** Rinse mouth. Do NOT induce vomiting. Call a physician or poison control IMMEDIATELY.

### SECTION 5 — FIRE FIGHTING MEASURES

Nonflammable, noncombustible solution.

NFPA Code

In case of fire: Flood with water. Do NOT use a tri-class dry chemical, carbon dioxide or halon fire extinguisher.

None established

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**SECTION 6 — ACCIDENTAL RELEASE MEASURES**

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Ventilate area. Contain spill with sand or absorbent material; deposit in sealed bag or container. Absorb spills to prevent material damage (P390). See Sections 8 and 13 for further information.

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**SECTION 7 — HANDLING AND STORAGE**

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Flinn Suggested Chemical Storage Pattern: Inorganic #3. Store with amides, nitrates, nitrites and azides. Light sensitive. Store in a Flinn Chem-Saf™ bag.

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**SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION**

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Wear protective gloves, protective clothing, and eye protection (P280). Wash hands thoroughly after handling (P264). Exposure guidelines: (as silver nitrate) PEL/TLV 0.01 mg/m<sup>3</sup> (OSHA, ACGIH)

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**SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES**

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Colorless liquid. Odorless.

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**SECTION 10 — STABILITY AND REACTIVITY**

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Shelf life: Indefinite, but light sensitive. See Section 7 for further information.

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**SECTION 11 — TOXICOLOGICAL INFORMATION**

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|-----------------------------------|---------------------------------------------------------|
| Acute effects: Diarrhea, cyanosis | ORL-RAT LD <sub>50</sub> : 1173 mg/kg as silver nitrate |
| Chronic effects: Argyrosis        | IHL-RAT LC <sub>50</sub> : N.A.                         |
| Target organs: N.A.               | SKN-RBT LD <sub>50</sub> : N.A.                         |

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**SECTION 12 — ECOLOGICAL INFORMATION**

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Toxic to aquatic species.

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**SECTION 13 — DISPOSAL CONSIDERATIONS**

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Please review all federal, state and local regulations that may apply before proceeding. Flinn Suggested Disposal Method #11 is one option.

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**SECTION 14 — TRANSPORT INFORMATION**

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Shipping name: Not regulated. Hazard class: N/A. UN number: N/A.

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**SECTION 15 — REGULATORY INFORMATION**

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Not listed.

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**SECTION 16 — OTHER INFORMATION**

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N.A. = Not available, not all health aspects of this substance have been fully investigated.

N/A = Not applicable

**Consult your copy of the Flinn Science Catalog/Reference Manual for additional information about laboratory chemicals.**

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