



SDS #: 692.2

Revision Date: December 3, 2018

# Silver Nitrate Solution 0.3 M - 1 M Safety Data Sheet (SDS)

## SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

### Silver Nitrate Solution 0.3 M - 1 M

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

Chemtrec Emergency Phone Number: (800) 424-10255

#### Signal Word

**DANGER**

## SECTION 2 — HAZARDS IDENTIFICATION

Hazard class: Corrosive to metals (Category 1). May be corrosive to metals (H290).

Hazard class: Skin corrosion or irritation (Category 1). Causes severe skin burns and eye damage (H314). Do not breathe mist, vapors or spray (P260).

Pictograms



## 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         | 5-17%         |
| Water          | 7732-18-5  | H <sub>2</sub> O  | 18.00          | 83-95%        |

## SECTION 4 — FIRST AID MEASURES

Immediately contact POISON CENTER or physician.

**If inhaled:** Remove victim to fresh air and keep at rest in a position comfortable for breathing (P304+P340).

**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 on skin or hair:** Immediately remove all contaminated clothing. Rinse skin with water (P303+P361+P353).

**If swallowed:** Rinse mouth. Do NOT induce vomiting (P301+P330+P331).

#### SECTION 5 — FIRE FIGHTING MEASURES

Nonflammable, noncombustible solution.

Reacts with  $\text{NH}_3$  to form shock sensitive compounds. When heated to decomposition, may emit toxic fumes.

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

#### NFPA Code

None established

#### SECTION 6 — ACCIDENTAL RELEASE MEASURES

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

#### SECTION 7 — HANDLING AND STORAGE

Flinn Suggested Chemical Storage Pattern: Inorganic #3. Store with amides, nitrates, nitrites and azides.

Light sensitive. Store in a Flinn Chem-Saf™ bag, and lock up in a poison cabinet. Keep only in original container (P234).

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

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)

#### SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Colorless liquid. Odorless.

#### SECTION 10 — STABILITY AND REACTIVITY

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

#### SECTION 11 — TOXICOLOGICAL INFORMATION

Acute effects: Diarrhea, cyanosis

Chronic effects: Argyrosis

Target organs: N.A.

ORL-RAT LD<sub>50</sub>: 1173 mg/kg as silver nitrate

IHL-RAT LC<sub>50</sub>: N.A.

SKN-RBT LD<sub>50</sub>: N.A.

#### SECTION 12 — ECOLOGICAL INFORMATION

Toxic to aquatic species.

#### SECTION 13 — DISPOSAL CONSIDERATIONS

Please review all federal, state and local regulations that may apply before proceeding.

Flinn Suggested Disposal Method #11 is one option.

#### SECTION 14 — TRANSPORT INFORMATION

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

#### SECTION 15 — REGULATORY INFORMATION

Not listed.

#### 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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