
Safety Data Sheet

Product Name	Silver acetate
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**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF
THE COMPANY/UNDERTAKING**

1.1. Product identification:**Product Description:** Silver acetate**Synonyms:** Acetic acid, silver (1+) salt; Silver (I) acetate; Silver monoacetate**CAS-No:** 563-63-3**EC-No.:** 209-254-9**Molecular Formula:** $\text{AgC}_2\text{H}_3\text{O}_2$

REACH Registration No: A registration number is not available for this substance as the substance or its uses are exempted from registration according to Article 2 REACH Regulation (EC) No 1907/2006, the annual tonnage does not require a registration, or the registration is envisaged for a later registration deadline.

1.2. Relevant identified uses of the substance or mixture and uses advised against:**Recommended Use:** Laboratory chemicals**Details of the supplier of the safety data sheet:**

- **Company** **Finar Limited**
184-186/P, Chacharwadi Vasna,
Sarkhej-Bavla Highway,
Ta.: Sanand, Dist.: Ahmedabad-382110, Gujarat, India.
Web: www.finarchemicals.com
- **E-Mail Address** safety.finar@aceto.com; info.finar@aceto.com

1.3. Emergency Telephone Number:

- For Emergency contact on: +91 - 2717 - 616 717

Safety Data Sheet

Product Name	Silver acetate
---------------------	----------------

SECTION 2: HAZARDS IDENTIFICATION**2.1. Classification of the substance or mixture:****Classification according to Regulation (EC) No 1272/2008**

Skin irritation (Category 2) - H315

Serious eye damage (Category 1) - H318

Specific target organ toxicity - single exposure (Category 3), Respiratory system - H335

Short-term (acute) aquatic hazard (Category 1), H400Oxidizing solids (Category 2) - H272

For the full text of the H-Statements mentioned in this Section, see Section 16.

2.2. Label Elements:**Labelling (REGULATION (EC) No 1272/2008)**

Hazard pictograms

**Signal word: Danger****Hazard statements**

H315 - Causes skin irritation

H318 - Causes serious eye damage

H335 - May cause respiratory irritation

H400 - Very toxic to aquatic life

Precautionary statements

P261 - Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.

P264 - Wash skin thoroughly after handling.

P273 - Avoid release to the environment.

P280 - Wear protective gloves/ eye protection/ face protection.

P302 + P352 IF ON SKIN: - Wash with plenty of water.

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

Supplemental Hazard Statements: - None**Reduced Labelling (<= 125 ml)**

Safety Data Sheet

Product Name	Silver acetate
---------------------	-----------------------

Hazard Pictograms



Signal word: Danger

Hazard statements

H318 - Causes serious eye damage

Precautionary statements

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

Supplemental Hazard Statements: - None

2.3. Other Hazards:

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances: Silver acetate

3.2. Mixtures:

Component	CAS-No	EC-No.	Weight %
Silver acetate	563-63-3	209-254-9	<= 100 %

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures:

- General advice**

Show this safety data sheet to the doctor in attendance.

Safety Data Sheet

Product Name	Silver acetate
---------------------	-----------------------

- **If inhaled**
After inhalation: fresh air. Call in physician.
- **If case of skin contact**
I In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower.
- **In case of eye contact**
After eye contact: rinse out with plenty of water. Immediately call-in ophthalmologist.
Remove contact lenses.
- **If swallowed**
After swallowing: make victim drink water (two glasses at most), avoid vomiting (risk of perforation).
Call a physician immediately. Do not attempt to neutralise.

- 4.2. Most important symptoms and effects, both acute and delayed:**
The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.
- 4.3. Indication of any immediate medical attention and special treatment needed:**
No data available

SECTION 5: FIREFIGHTING MEASURES

- 5.1. Extinguishing media:**
Suitable Extinguishing Media-
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable Extinguishing Media-
For this substance/mixture no limitations of extinguishing agents are given.
- 5.2. Special hazards arising from the substance or mixture:**
Carbon oxides
Silver/silver oxides
Not combustible.
Ambient fire may liberate hazardous vapours.
- 5.3. Advice for firefighters:**
Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.

Safety Data Sheet

Product Name	Silver acetate
---------------------	-----------------------

5.4 Further Information:

Prevent fire extinguishing water from contaminating surface water or the ground water system.

SECTION 6: ACCIDENTAL RELEASE MEASURES**6.1. Personal precautions, protective equipment and emergency procedures:**

Advice for non-emergency personnel: Avoid inhalation of dusts. Avoid substance contact Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures, consult an expert.

For personal protection see section 8.

6.2. Environmental precautions:

Do not flush into surface water or sanitary sewer system. Do not allow material to contaminate ground water system. Prevent product from entering drains. Local authorities should be advised if significant spillages cannot be contained. Should not be released into the environment.

6.3. Methods and material for containment and cleaning up:

Cover drains. Collect, bind and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts.

6.4. Reference to other sections:

For disposal see Sections 13.

SECTION 7: HANDLING AND STORAGE**7.1. Precautions for safe handling:**

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2.2.

7.2. Conditions for safe storage, including any incompatibilities:**Storage Condition**

Keep container tightly closed in a dry and well-ventilated place. Light sensitive.

7.3. Specific end use(s):

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

Safety Data Sheet

Product Name	Silver acetate
---------------------	-----------------------

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters:

Ingredients with workplace control parameters.

8.2. Exposure Controls:

- **Appropriate Engineering Controls:**

Technical measures and appropriate working operations should be given priority over the use of personal protective equipment.

See section 7.1.

Personal Protective Equipment:

Protective clothing needs to be selected specifically for the workplace, depending on concentrations and quantities of the hazardous substances handled. The chemical resistance of the protective equipment should be enquired at the respective supplier.

Eye & Face Protection-

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Tightly fitting safety goggles Tightly Fitting safety glasses

Skin Protection-

Full contact-

- Material: Nitrile rubber
- Minimum layer thickness: 0.11 mm
- Break through time: 480 min
- Material tested: KCL 741 Dermatril® L

Splash contact-

- Material: Nitrile rubber
- Minimum layer thickness: 0.11 mm
- Break through time: 480 min
- Material tested: KCL 741 Dermatril® L

This recommendation applies only to the product stated in the safety data sheet, supplied by us and for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN374 please contact the supplier of CE-approved gloves (e.g. KCL GmbH, D-36124 Eichenzell, Internet: www.kcl.de).

Safety Data Sheet

Product Name	Silver acetate
---------------------	-----------------------

Body Protection

Protective Clothing

Respiratory Protection

Required when dusts are generated.

Our recommendations on filtering respiratory protection are based on the following standards: DIN EN 143, DIN 14387 and other accompanying standards relating to the used respiratory protection system.

Recommended Filter type: Filter type P2

The entrepreneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer. These measures have to be properly documented.

Environmental Exposure Controls

Do not let product enter drains.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties:

- **Appearance:** Crystalline solid
- **Physical State:** Solid
- **Odor:** Odorless
- **Odor Threshold:** No data available
- **pH:** No data available
- **Melting Point:** No data available
- **Critical Temperature:** No data available
- **Vapor Pressure:** No data available
- **Density:** 3.26 g/cm³ at 20 °C
- **Viscosity Dynamic:** No data available
- **Viscosity Kinematic:** No data available
- **Lower Explosive Limit:** No data available
- **Upper Explosive Limit:** No data available
- **Decomposition Temperature:** > 200°C
- **Volatility:** No data available
- **Bulk Density:** No data available
- **Water/Oil Dist. Co eff.:** No data available

Safety Data Sheet

Product Name	Silver acetate
---------------------	-----------------------

- **Ionicity (in Water):** No data available
- **Boiling Point/Range:** 220 °C
- **Flash Point:** No data available
- **Specific Gravity:** 3.250
- **Ignition Temperature:** No data available
- **Water Solubility:** 10.2 g/l at 20 °C

9.2. Other information:

- **Molecular Weight:** 166.91 g/mol
- **Molecular Formula:** Ag C₂H₃O₂

SECTION 10: STABILITY AND REACTIVITY**10.1. Reactivity:**

No data available

10.2. Chemical stability:

The product is chemically stable under standard ambient conditions (room temperature)

10.3. Possibility of hazardous reactions:

Violent reactions possible with:

Strong oxidizing agents

Strong acids

10.4. Conditions to avoid:

No data available

10.5. Incompatible materials:

Aluminium, Mild steel.

10.6. Hazardous decomposition products:

In the event of fire: see section 5.

SECTION 11: TOXICOLOGICAL INFORMATION**11.1 Information on toxicological effects:****Acute toxicity**

Oral: No data available

Inhalation: No data available

Dermal: No data available

Safety Data Sheet

Product Name	Silver acetate
---------------------	----------------

Skin corrosion/irritation

Causes skin irritation.

Serious Eye damage/eye irritation

Causes serious eye irritation.

Respiratory or Skin sensitization

No data available

Germ cell mutagenicity

No data available

Carcinogenicity

No data available

Reproductive toxicity

No data available

Specific target organ toxicity - single exposure

Inhalation - May cause respiratory irritation.

Specific target organ toxicity - repeated exposure

No data available

Aspiration hazard

No data available

11.2 Additional Information:

May cause argyria (a slate-gray or bluish discoloration of the skin and deep tissues due to the deposit of insoluble albuminate of silver)., To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity:

Toxicity to fish:

No data available

Toxicity daphnia and other aquatic invertebrates:

No data available

Toxicity to algae:

No data available

Safety Data Sheet

Product Name	Silver acetate
---------------------	-----------------------

Toxicity to bacteria:

No data available

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)

No data available

12.2 Persistence and degradability:

No data available

12.3 Bioaccumulate potential:

No data available

12.4 Mobility in soil:

No data available

12.5 Results of PBT and vPvB assessment:

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Other adverse effects:

No data available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods:

Waste material must be disposed of in accordance with the national and local regulations.

Leave chemicals in original containers. No mixing with other waste.

Handle uncleaned containers like the product itself.

Safety Data Sheet

Product Name	Silver acetate
---------------------	----------------

SECTION 14: Transport information

	Land transport (ADR/RID)	Air transport (IATA)	Sea transport (IMDG)
14.1 UN number	UN1759		
14.2 Proper shipping name	CORROSIVE SOLID, N.O.S. (Silver acetate)		
14.3 Class	8		
14.4 Packing group	III		
14.5 Environmentally hazardous	Yes	No	Yes
14.6 Special precautions for user	No data available		
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not Relevant		

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

National Legislation

Seveso III: Directive 2012/18/EU of the European: Environment Hazard

Parliament and of the Council on the control of major-accident hazards involving dangerous substances

Other regulations

Take note of Dir 94/33/EC on the protection of young people at work.

15.2 Chemical safety assessment:

For this product a chemical safety assessment was not carried out.

SECTION 16: Other information

Full text of H-Statements referred to under sections 2 and 3.

H315 - Causes skin irritation.

H318 - Causes serious eye damage.

H319 - Causes serious eye irritation.

H335 - May cause respiratory irritation.

Safety Data Sheet

Product Name	Silver acetate
---------------------	-----------------------

H400 - Very toxic to aquatic life.

Training advice: -

Provide adequate information, instruction and training for operators.

References: Not available

Created: 27/08/2021

Disclaimer:

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Finar Limited be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Finar Limited has been advised of the possibility of such damages.