

Section 1. Product and Company Identification

**Product Name** Silver Acetate  
**CAS Number** 563-63-3

**Parchem - fine & specialty chemicals**  
**415 Huguenot Street**  
**New Rochelle, NY 10801**  
☎ (914) 654-6800 ☎ (914) 654-6899  
🌐 [parchem.com](http://parchem.com) ✉ [info@parchem.com](mailto:info@parchem.com)

EMERGENCY RESPONSE NUMBER  
CHEMTEL  
Toll Free US & Canada: 1 (800) 255-3924  
All other Origins: 1 (813) 248-0585  
Collect Calls Accepted

Section 2. Hazards Identification

**Classification of the substance or mixture**

**OSHA Hazards:** May irritate delicate tissues.

**GHS Classification**

Skin irritation (Category 2)  
Eye irritation (Category 2A)  
Specific target organ toxicity - single exposure (Category 3)  
Acute aquatic toxicity (Category 1)

**GHS Label Elements**

**Pictograms:**



**Signal word:** WARNING

**Hazard and precautionary statements**

**Hazard Statements**

H315: Causes skin irritation.  
H319: Causes serious eye irritation.  
H335: May cause respiratory irritation.  
H400: Very toxic to aquatic life.

**Precautionary Statements**

P264: Wash thoroughly after handling  
P280: Wear protective gloves/eye protection/face protection  
P302+352: If on skin: Wash with soap and water  
P332+313: If skin irritation occurs: Get medical advice/attention



P362: Take off contaminated clothing and wash before reuse  
P305+351+338: If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing  
P337+313: If eye irritation persists get medical advice/attention  
P261: Avoid breathing dust  
P271: Use only in a well-ventilated area  
P304+340: If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
P312: Call a poison center or doctor/physician if you feel unwell  
P403+233: Store in a well ventilated place. Keep container tightly closed  
P501: Dispose of contents/container in accordance to all regulations.  
P273: Avoid release to the environment  
P391: Collect spillage

### Section 3. Composition / Information on Ingredients

**Common Name** Silver Acetate  
**Synonym(s)** Silver Monoacetate  
**Formula**  $C_2H_3O_2Ag$   
**CAS Number** 563-63-3

COMPONENT	CAS NUMBER	CONCENTRATION
Silver Acetate	563-63-3	> 99%

### Section 4. First Aid Measures

**Effects of Overexposure:** Irritating to skin if allowed to remain in contact. Irritating to eyes and upper respiratory tract. May cause Argyria (a slate gray or bluish discoloration of the skin and deep tissue due to the deposit of insoluble Silver Albuminate).  
Behavior: Excitement or Ataxia (loss of coordination of external muscles)

#### Routes of Entry

**Eye:** Causes eye irritation

**Skin:** Causes skin irritation.

**Ingestion:** May cause gastrointestinal irritation with nausea, vomiting and diarrhea.

**Inhalation:** May cause irritation of the respiratory tract with burning pain in the nose and throat, coughing, wheezing, shortness of breath and pulmonary edema.

**Chronic:** Prolonged or repeated eye contact may cause conjunctivitis.

#### Emergency and First Aid: Not to be construed as a medical recommendation

**General:** Immediately flush area with copious amounts of water. Remove contaminated clothing and wash before re-use.

**Eyes:** Flush with water for 15 minutes. Consult a physician.

**Lungs:** Remove victim to fresh air administer artificial respiration or oxygen if needed.

**Ingestion:** Induce vomiting. Consult physician.



**Skin:** Wash affected areas with abundant amounts of soap and water. Get medical aid if irritation develops or persists.

Section 5. Firefighting Measures

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

**Flash Point:** N/A

**Extinguishing Media:** Water, Carbon dioxide, dry chemical powder, or appropriate foam.

**Special Firefighting Procedures:** Self-contained breathing apparatus recommended

**Unusual Fire and Explosion Hazards:** May decomposed in hot fire to form flammable or toxic decomposition products.

Section 6. Accidental Release Measures

**Steps to be taken in case material is released or spilled:** Wear protective clothing. Avoid raising dust. Sweep up spill and containerize for disposal. Small spills may be washed into plant disposal system. Follow all applicable regulations.

Section 7. Handling and Storage

**Handling:** Avoid contact with food items. Avoid breathing dust. Avoid contact with skin and eyes. Wash yourself thoroughly after handling.

**Storage:** Store in a cool, dry place. Store in tightly sealed drums. Light sensitive.

Section 8. Exposure Controls / Personal Protection

Facility must contain safety shower, eye bath, and mechanical exhaust.

**Respiratory:** Dust mask desirable. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or EN(EU). Where risk assessment shows air-purifying respirators are appropriate use a dust mask type N95 (US) or type P1 (EN 143) respirator.

**Ventilation:** Local exhaust: not required. Mechanical: preferred.

**Protective Gloves:** Rubber or Buna-N

**Eyes:** Safety Goggles

**Hygiene:** Wash thoroughly after handling

**Exposure Limits, RTECS**

Country	Source	Type	Value
USA	ACGIH	TWA	0.01 mg(ag)/m <sup>3</sup>
USA	MSHA Standard-air	TWA	0.01 mg(ag)/m <sup>3</sup>
New Zealand	OEL		

Remarks: check ACGIH TLV



Section 9. Physical and Chemical Properties

**Formula Weight:** 166.92  
**Melting Point:** N/A  
**Boiling Point:** N/A  
**Vapor Pressure:** Low  
**Solubility in Water:** 10.2 g/L (20°C)  
**Percent Volatile:** N/A  
**Specific Gravity:** 3.259 g/cm<sup>3</sup>  
**Appearance and Odor:** White crystalline solid, practically odorless- faint beige powder

Section 10. Stability and Reactivity

**Stability:** Stable  
**Incompatibility:** Reacts with strong acids, strong oxidizing agents.  
**Conditions of Instability:** Will discolor on exposure to light.  
**Hazardous decomposition products:** May liberate Silver oxides and CO and CO<sub>2</sub>  
**Hazardous polymerization:** Will not occur

Section 11. Toxicological Information

**RTECS Number:** AJ4100000  
**Beilstein Registry Number:** 3595636  
**EC Number:** 209-254-9  
**MDL number:** MFCD00012446  
**Threshold Limit Value:** not established  
**ACGIH:** No  
**NTP Carcinogen:** No  
**IARC Monographs:** No  
**LD50 (ipr mus):** 34 mg/kg  
**Remarks:** Lungs, Thorax, or Respiration: Dyspnea.  
**Behavioral:** Excitement. Behavioral: Ataxia.  
**Exposure Limits:** ACGIH and MSHA Standard- air: TWA: 0.01 mg(Ag)/m<sup>3</sup>.

Section 12. Ecological Information

**Toxicity:** No data available  
**Persistence and degradability:** No data available  
**Bioaccumulative potential:** No data available  
**Mobility in soil:** No data available  
**PBT and vPvB assessment:** No data available  
**Other adverse effects:** An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Very toxic to aquatic life.



Section 13. Disposal Considerations

**Waste Treatment Methods:** Dispose of product and contaminated packaging in accordance with all local, state, and federal environmental control regulations.

Section 14. Transport Information

**Shipping:** TSCA Listed, EINECS listed

**HMIS Rating**

**Health:** 1 [Slight hazard]

**Flammability:** 0 [Minimal Hazard]

**Reactivity:** 0 [Minimal Hazard]

**Personal Protection:** F [Safety glasses, gloves, synthetic apron, dust mask]

**Freight classification:** Chemicals, nos

Section 15. Regulatory Information

**US Classification and Label Text**

**Indication of Danger:** Irritant.

**Risk Statements:** Irritating to eyes, respiratory system and skin.

**Safety Statements:** In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable gloves and eye/face protection.

**United States Regulatory Information**

**SARA listed:** Yes

**DEMINIMIS:** 1%

**Notes:** This product is subject to SARA section 313 reporting requirements - silver compounds.

**TSCA Inventory Item:** Yes

**Canada Regulatory Information**

**WHMIS Classification:** This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.

**DSL:** Yes

**NDSL:** No

**WGK (Water Danger/Protection):** CAS# 563-63-6 : 3

**Canada:** CAS# 563-63-3 is listed on Canada's DSL List

**US Federal:** CAS# 10581-12-1 is listed on the TSCA Inventory.



Section 16. Other Information

**Disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

REVISION DATE: 9/24/2015

