


# MATERIAL SAFETY DATA SHEET

## Silver (I) Acetate

<b>NFPA</b> 	<b>HMIS</b> <table border="1"><tr><td>HEALTH</td><td>2</td></tr><tr><td>FLAMMABILITY</td><td>0</td></tr><tr><td>REACTIVITY</td><td>0</td></tr><tr><td>PERSONAL PROTECTION</td><td>J</td></tr></table>	HEALTH	2	FLAMMABILITY	0	REACTIVITY	0	PERSONAL PROTECTION	J
HEALTH	2								
FLAMMABILITY	0								
REACTIVITY	0								
PERSONAL PROTECTION	J								

<b>1. Product And Company Identification</b>	
<b>Supplier</b> Colonial Metals, Inc. Building 20 505 Blue Ball Road Elkton, MD 21921 United States  <b>Company Contact:</b> Michael Doss - Dir. of Regulatory Affairs <b>Telephone Number:</b> 410-398-7200 <b>FAX Number:</b> 410-398-2918 <b>E-Mail:</b> mdoss@colonialmetals.com <b>Web Site:</b> www.colonialmetals.com	<b>Manufacturer</b> Colonial Metals, Inc. Building 20 505 Blue Ball Road Elkton, MD 21921 United States  <b>Company Contact:</b> Michael Doss - Dir. of Regulatory Affairs <b>Telephone Number:</b> 410-398-7200 <b>FAX Number:</b> 410-398-2918 <b>E-Mail:</b> mdoss@colonialmetals.com <b>Web Site:</b> www.colonialmetals.com
<b>Supplier Emergency Contacts &amp; Phone Number</b> Chemtrac: 800-424-9300 World Wide - Call COLLECT to U.S: 703-527-3887	<b>Manufacturer Emergency Contacts &amp; Phone Number</b> Chemtrac: 800-424-9300 World Wide - Call COLLECT to U.S: 703-527-3887
<b>Issue Date:</b> 09/11/2012 <b>Product Name:</b> Silver (I) Acetate <b>Chemical Name:</b> Silver Monoacetate, Acetic Acid, Silver Salt <b>CAS Number:</b> 563-63-3 <b>Chemical Family:</b> Metal Acetate Salt <b>Chemical Formula:</b> AgO2CCH3 <b>MSDS Number:</b> 9021 <b>Product Code:</b> 9021  <b>Synonyms</b> Silver monoacetate	

<b>2. Composition/Information On Ingredients</b>			
Ingredient Name	CAS Number		Percent Of Total Weight
Silver (I) Acetate	563-63-3		100

<b>EMERGENCY OVERVIEW</b>	
Irritant Environmental Hazard	

# MATERIAL SAFETY DATA SHEET

## Silver (I) Acetate

### Hazards Identification (Pictograms)



### 3. Hazards Identification

#### Primary Routes(s) Of Entry

Eyes: Likely  
Skin: Likely  
Inhalation: Likely  
Ingestion: Likely

#### Eye Hazards

Irritation

#### Skin Hazards

Irritation. May be harmful if absorbed through the skin.

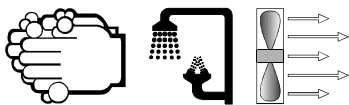
#### Ingestion Hazards

May be harmful if swallowed.

#### Inhalation Hazards

Irritating to the respiratory tract and mucous membranes. May be harmful if inhaled.

### First Aid (Pictograms)



### 4. First Aid Measures

#### Eye

Flush for 15 minutes with plenty of water. If discomfort occurs or persists, contact a physician immediately.

#### Skin

Wash with soap and copious amounts of water. If discomfort occurs or persists, contact a physician immediately. Remove contaminated clothing and shoes and wash before reuse.

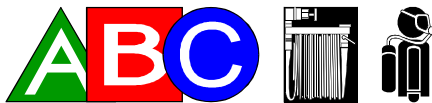
#### Ingestion

Wash out mouth with water provided victim is conscious. Never give anything by mouth to an unconscious person. Contact a physician immediately.

#### Inhalation

Remove to fresh air immediately. If victim is not breathing provide artificial respiration, if breathing is difficult give oxygen. Contact a physician immediately.

### Fire Fighting (Pictograms)



### 5. Fire Fighting Measures

Flash Point: N/A °F N/A °C

Autoignition Point: N/A °F

Flammability Class: N/A

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## Silver (I) Acetate

### 5. Fire Fighting Measures - Continued

#### **Fire And Explosion Hazards**

Use proper safety equipment. May decompose to emit toxic fumes.

#### **Extinguishing Media**

Water spray, carbon dioxide, dry powder, or foam.

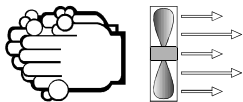
#### **Fire Fighting Instructions**

Use NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing.

### 6. Accidental Release Measures

Sweep up and place in a sealed container. Avoid raising dust. Ventilate area and wash spill site after pick up is complete. Wear proper PPE.

### Handling & Storage (Pictograms)



### 7. Handling And Storage

#### **Handling And Storage Precautions**

Use only with adequate ventilation.  
Wash thoroughly after handling.

#### **Handling Precautions**

Do not breathe dust. Avoid contact with eyes, skin and clothing. Avoid prolonged or repeated exposure.  
Use with adequate ventilation.

#### **Storage Precautions**

Keep in a tightly sealed container in a cool, dry well ventilated place away from light.

#### **Work/Hygienic Practices**

Always use good personal hygiene after handling.  
Light sensitive.

### Protective Clothing (Pictograms)



### 8. Exposure Controls/Personal Protection

#### **Engineering Controls**

**Ventilation:** Local Exhaust: Required in handling area  
Mechanical: Desirable to insure concentration of material below TLV/TWA levels  
Other: Closed Ventilation system (Laboratory Fume Hood)

**Safety shower and eyewash**

#### **Eye/Face Protection**

ANSI approved safety glasses/goggles

#### **Skin Protection**

Rubber/Neoprene (use compatible chemical-resistant gloves).

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## Silver (I) Acetate

### 8. Exposure Controls/Personal Protection - Continued

#### **Respiratory Protection**

NIOSH approved chemical cartridge respirator for dust/mist/fume/radionuclide or self-contained breathing apparatus with full face shield.

#### **Other/General Protection**

Lab coat/apron, flame and chemical resistant protective clothing, eye wash, safety shower, and hygiene facilities for washing.

### 9. Physical And Chemical Properties

#### **Appearance**

Off-white powder

**Chemical Type:** Mixture

**Physical State:** Solid

**Specific Gravity:** 3.259 g/cm<sup>3</sup>

**Molecular Weight:** 166.92

**Solubility:** 1.02 g/100cc (20oC)

### 10. Stability And Reactivity

**Stability:** Stable

**Hazardous Polymerization:** Will not occur

#### **Conditions To Avoid (Stability)**

Exposure to light

#### **Incompatible Materials**

Strong oxidizing agents, strong acids.

#### **Hazardous Decomposition Products**

Carbon dioxide, carbon monoxide, silver/silver oxides.

### 11. Toxicological Information

#### **Acute Studies**

Intraperitoneal

Mouse

34 mg/kg

LD50

Remarks: Lungs, thorax

Respiration: dyspnea.

Behavioral: Excitement.

Behavioral: Ataxia.

#### **Skin Effects**

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 of this compound have not been thoroughly investigated.

# MATERIAL SAFETY DATA SHEET

## Silver (I) Acetate

### Ecological (Pictograms)



### 12. Ecological Information

#### Environmental Fate Information

Harmful to the environment

### 13. Disposal Considerations

Consult Federal EPA, State and local regulations for proper disposal/recycle/reclamation

NOTE: Chemical additions, processing, or otherwise altering this material may make the waste management information presented above incomplete, inaccurate, or otherwise inappropriate.

### 14. Transport Information

#### Proper Shipping Name

Environmentally Hazardous Substance, Solid, N.O.S.  
Silver (I) Acetate

#### Hazard Class

9

#### DOT Identification Number

3077

#### DOT Shipping Label

Environmentally Hazardous Substance, Solid, N.O.S. - Silver (I) Acetate

#### Packaging Requirements

Group III

#### Additional Shipping Paper Description

IATA: Same as DOT. Always consult the IATA manual before shipping.

### DOT (Pictograms)



### 15. Regulatory Information

#### U.S. Regulatory Information

This compound is listed on the TSCA inventory.

#### SARA Hazard Classes

Acute Health Hazard

#### SARA Section 313 Notification

This product is subject to SARA section 313 reporting requirements: silver compounds.  
Deminimus 1%

#### Canadian Regulatory Information

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.

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## Silver (I) Acetate

### 15. Regulatory Information - Continued

#### Canadian Regulatory Information - Continued

DSL: Yes  
NDSL: No

#### European Union (EU) Regulatory Information

**Symbol of Danger:** Xi

**Indication of Danger:** Irritant

**R:** 36/37/38

Irritating to eyes, respiratory system and skin.

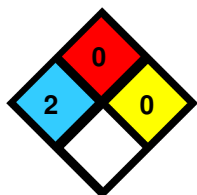
**S:** 26-36

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

R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

S61 - Avoid release to the environment. Refer to special instructions/safety data sheets

#### NFPA



#### HMIS

HEALTH	2
FLAMMABILITY	0
REACTIVITY	0
PERSONAL PROTECTION	J

### 16. Other Information

#### Precautionary Label

IRRITANT

#### Revision/Preparer Information

MSDS Preparer: Michael Doss - Dir Reg. Affairs

MSDS Preparer Phone Number: 410-398-7200

This MSDS Supersedes A Previous MSDS Dated: 05/14/2009

#### Disclaimer

In compliance with the OSHA Hazard Communication Standard, 2.9 C.F.R 1910.1200, we are providing you with a Materials Safety Data Sheet (MSDS) for the hazardous material you are purchasing.

It is your responsibility to educate your employees on the safe use of the hazardous material. With this in mind, a copy should be forwarded to the supervisor of the user or to the user themselves, and copy should be retained in your files for future reference.

Colonial Metals, Inc. makes no presentation as to the accuracy of the information in the MSDS. The information is believed to be correct; however, you (the customer), should perform your own investigation and independent verification. If you resell the product, you are responsible to forward the information in the MSDS to your customer.

**Colonial Metals, Inc.**