


MATERIAL SAFETY DATA SHEET

Silver (I) Acetate

NFPA 	HMIS <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								

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

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

EMERGENCY OVERVIEW	
Irritant Environmental Hazard	

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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.

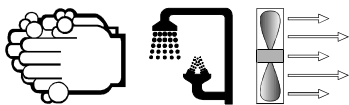
Ingestion Hazards

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.

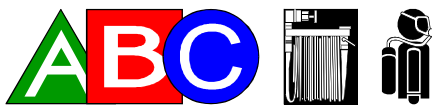
Ingestion

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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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.

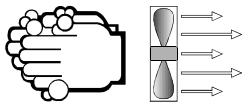
Fire Fighting Instructions

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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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/cm³

Molecular Weight: 166.92

Solubility: 1.02 g/100cc (20°C)

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.

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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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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.

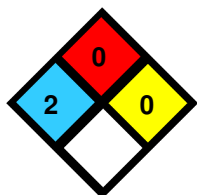
S: 26-36

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.