

**Safety Data Sheet**  
29 CFR 1910.1200

**Section 1: Company and Product Identification**


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**Product Name:** SILVER NEODECANOATE

**Product Code:** 9070

**CAS #:** 68683-18-1

**Company:** Colonial Metals, Inc.  
Building 20  
505 Blue Ball Road  
Elkton, MD 21921 United States  
Company Contact: EHS Director  
Telephone Number: 410-398-7200  
FAX Number: 410-398-2918  
E-Mail : info@colonialmetals.com  
Web Site: www.colonialmetals.com



www.colonialmetals.com

**Emergency Response:** Supplier Emergency Contacts & Phone Number

**Chemtrec:** 800-424-9300

World Wide - Call COLLECT to U.S: 703-527-3887

**Section 2: Hazards Identification**


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**Hazard Pictograms:**



**Signal Word:** Warning

**Hazard Category:** Acute tox, oral Cat 5  
Skin corrosion/irritation Cat 3  
Serious eye damage/eye irritation Cat 2  
Specific target organ tox, single exp. Cat 3 (resp irrit)

**Hazard Statements:** H303: May be harmful if swallowed  
H316: Causes mild skin irritation  
H319: Causes serious eye irritation  
H335: May cause respiratory irritation

**Precautionary Statements:** P260: Do not breathe dust/fume/gas/mist/vapors/spray  
P264: Wash thoroughly after handling  
P270: Do not eat, drink or smoke when using this product  
P271: Use only outdoors or in a well-ventilated area  
P272: Contaminated work clothing should not be allowed out of the workplace  
P280: Wear protective gloves/protective clothing/eye protection/face protection  
P302+352: IF ON SKIN: Wash with soap and water  
P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position  
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove  
P312: Call a POISON CENTER or doctor/physician if you feel unwell  
P321: Specific treatment (see ... on this label)  
P332+313: If skin irritation occurs: Get medical advice/attention  
P337+313: If eye irritation persists get medical advice/attention  
P362: Take off contaminated clothing and wash before reuse  
P403+233: Store in a well ventilated place. Keep container tightly closed  
P405: Store locked up  
P501: Dispose of contents/container in accordance with local/regional/national/international rules.

**Hazards not otherwise classified:** No additional information is known

**Section 3: Composition / Information on Ingredients**


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Hazardous substance (name)	Hazard Category	CAS#	Weight %
Silver neodecanoate	Eye Irrit. 2, H319	68683-18-1	95- 100
<b>Product Name:</b> Silver neodecanoate <b>Chemical Formula:</b> C10H19AgO2 <b>Synonyms:</b> NEODECANOIC ACID, SILVER SALT			

#### Section 4: First Aid Measures

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**General Info:** Consult a Physician. Show this safety data sheet to the doctor in attendance. The absorption of silver compounds into the circulation and subsequent deposition of reduced silver may result in the production of grayish pigmentation in the skin and mucous membranes, a condition known as argyria.

**Notable Exposure symptoms:** Irritation to skin, eyes and areas of contact. If discomfort occurs or persists, contact a physician

**If ingested:** Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician

**If inhaled:** Remove the victim from the contaminated area while protecting yourself from exposure by wearing an appropriate respirator. Put a similar respirator on the victim if possible. Get medical attention immediately.

**Eye contact:** Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses if present and easy to do.

**Skin contact:** Flush area for 15 minutes with water and wash with soap and water. Remove contaminated clothing and shoes and wash before reuse.

#### Section 5: Fire Fighting Measures

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**General Info:** Use NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing. Do not direct a solid stream of water or foam into burning molten material; this may cause spattering and spread the fire.

**Extinguishing Method / Equipment:** Use water spray, carbon dioxide, dry chemical powder, or appropriate foam.

**Hazardous Decomposition Info:** Can decompose to emit toxic fumes under fire conditions. Carbon oxides, Sulphur oxides, Silver/silver oxides

#### Section 6: Accidental Release Measures

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**Personal precautions, protective equipment and procedures:** Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate respiratory protective equipment and clothing during clean-up. Avoid breathing dust. Ventilate area if easy to do so. Contact local authorities if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

**Containment Equipment and Procedures:** Large Spills: Contain actively spilling material if safe and easy to do so. Do not let product enter drains. Sweep up and placed in a proper vessel for recovery or disposal. Avoid raising dust.

Procedures: Ventilate and wash spill site after cleanup is complete.

Small Spills: Sweep or soak up and place in sealed container. Taking care to avoid dusting.

**Cleanup Procedures:** Contain spillage and then collect with an electrically protected vacuum cleaner or by wet brushing and place in container for disposal according to local regulations.

#### Section 7: Handling and Storage

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- Safe Handling** Do not handle until all safety precautions have been read and understood. Keep containers tightly closed. Ensure adequate ventilation. Avoid creating and breathing dust/vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Wear appropriate personal protective equipment and wash thoroughly after handling. Keep away from ignition sources.
- Recommendations** Store in cool, dry area in a tightly closed product container away from sources of ignition or flame.
- for Storage:** Containers which are opened must be carefully resealed and kept upright to prevent leakage.

**Incompatibilities:** Strong oxidizing agents, Strong acids

## Section 8: Exposure Control / Personal Protection

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- General / Ventilation:** Local Exhaust: Required in handling area
- Engineering** Mechanical: Desirable to insure concentration of material below 0.01mg/m<sup>3</sup> as Ag for TLV/TWA
- Controls:** levels
- Work Clothing:** Protective work clothing which covers skin and prevents exposures.
- Eye/face protection:** Wear safety glasses with side shields or goggles or face shield.
- Skin Protection:** Wear chemical resistant gloves.
- Respiratory** NIOSH approved chemical cartridge respirator for particulates and dust or self-contained breathing
- Protection:** apparatus with full face shield.
- Additional** Observe good chemical hygiene practices. Do not smoke or eat while using this product. Wash
- Information:** hands or exposed skin after using the product.

## Section 9: Physical and Chemical Properties

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<b>State:</b> Solid	<b>Melting Point:</b> 106-116°C	<b>Freezing Point:</b> N/A
<b>Color:</b> Light Grey Powder	<b>Boiling Point/Range:</b> N/A	<b>pH</b> N/A
<b>Molecular Wt.</b> 279.13	<b>Odor:</b> None	<b>Water Solubility:</b> Insoluble in Water
<b>Specific Gravity:</b> N/A	<b>Flash Point:</b> 102°C	<b>Part. Coeff (n-octanol/water)</b> N/A
<b>Upper Flam Limits:</b> N/A	<b>Lower Flam Limits:</b> N/A	<b>Vapor Density:</b> N/A
<b>VOC Content (lbs/gal):</b> <1%	<b>Viscosity:</b> N/A	<b>Autoignition Temp:</b> N/A

## Section 10: Stability and Reactivity

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- General:** This product is stable and non-reactive under normal conditions of use. Product is not subject to hazardous polymerization. Avoid open flame and ignition sources.
- Stability:** Stable at room temperature
- Conditions to Avoid:** Exposure to air, light, and moisture
- Incompatible materials:** Strong oxidizing agents, Strong acids
- Decomposition products:** Organic acid and organic vapors. Silver oxide fumes.

## Section 11: Toxicological Information

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- General Information:** May cause argyria, a slate gray or bluish discoloration of the skin and deep tissues due to the deposit of insoluble albuminate or silver.
- To the best of our knowledge the chemical, physical, and toxicological effects of this compound have not been thoroughly investigated.

**Toxicological Information (product):** No Data Available

**Likely Routes of Exposure:** Eye Contact  
Skin Contact  
Inhalation  
Ingestion - possible, but considered unlikely.

**Toxicological Information (contained substances)**

**Carcinogenicity or mutagenicity:** To the best of our knowledge the chemical, physical, and toxicological effects of this compound have not been thoroughly investigated.

**Sensitization:** Product is not expected to be a sensitizer.

## Section 12: Ecological Information

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**General information:** No data available

**Aquatic toxicity:** No specific data available.

**Degradation / Mobility info:** No specific data available.

**Bioaccumulative potential:** No specific data available.

## Section 13: Disposal Information

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**Product disposal:** Place in a sealed container. 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.

**Container disposal:** Treat empty containers with extra care. Consult waste contractor.

## Section 14: Transport Information

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**DOT:** Proper Shipping Name:  
Non-Hazardous/ Not Dangerous Goods

**IMO/IMDG:** Same as DOT

**IATA:** Same as DOT

**Comments:** None

## Section 15: Regulatory Information

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**TSCA:** This product is listed under the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

**SARA: SARA 302 Components**

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313 Components**

The following components are subject to reporting levels established by SARA Title III, Section 313:  
SILVER NEODECANOATE CAS-No. 68683-18-1 Revision Date 2007-07-01

**SARA 311/312 Hazards**

Acute Health Hazard

**Right to Know Massachusetts Right To Know Components**

**Components:** No components are subject to the Massachusetts Right to Know Act.

**Pennsylvania Right To Know Components**

Silver neodecanoate CAS-No.68683-18-1 Revision Date 2007-07-01

**New Jersey Right To Know Components**

Silver neodecanoate CAS-No. 68683-18-1 Revision Date 2007-07-01

**California Prop. 65 Components**

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

**Section 16: Other Information**

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**NFPA Rating**

Health: 2  
Fire: 0  
Reactivity: 0

**HMIS Rating**

Health: 2  
Fire: 0  
Reactivity: 0  
Personal  
Protection: C

*Disclaimer: In compliance with the OSHA Hazard communication Standard, 29 C.F.R 1910.1200, we are providing you with a Safety Data Sheet (SDS) 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 representation as to the accuracy of the information in the SDS. The information is believe to be correct; however, you (the customer), should preform your own investigation and independent verification. If you resell the product, you are responsible to forward the information in the SDS to your customer.*

*Colonial Metals, Inc.*

**SDS Author:** Colonial Metals Inc.- An Ames Goldsmith Company

**Version Date:**

1/24/2021