

Product# 2019

## Safety Data Sheet

### 29 CFR 1910.1200

#### Section 1: Company and Product Identification

**Product Name:** Gold (I) Iodide**Product Code:** 2019

**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 Supplier Emergency Contacts & Phone Number****Response:** Chemtrec: 800-424-9300

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

#### Section 2: Hazards Identification

GHS07

BLANK

BLANK

BLANK

**Hazard Pictograms:****Signal Word:**

Warning

**Hazard Category:**

Acute tox, oral Cat 5  
 Skin corrosion/irritation Cat 3  
 Serious eye damage/eye irritation Cat 3  
 Aspiration hazard Cat 2

**Hazard Statements:**

H303: May be harmful if swallowed  
 H316: Causes mild skin irritation  
 H320: Causes eye irritation  
 H305: May be harmful if swallowed and enters airways

P264: Wash thoroughly after handling  
 P280: Wear protective gloves/protective clothing/eye protection/face protection  
 P308+313: IF exposed or concerned: Get medical advice/attention  
 P402+404: Store in a dry place. Store in a closed container  
 P501: Dispose of contents/container in accordance with local/national/international rules.

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

Hazardous substance (name)	Hazard Category	CAS#	Weight %
Gold (I) Iodide	Irritant	10294-31-2	0 - 100
<b>Product Name:</b> Gold (I) Iodide <b>Chemical Family:</b> Group 1B Metal Salt <b>Chemical Formula:</b> AuI			

#### Section 4: First Aid Measures

**If ingested:** Not expected to be a problem in industry, but if it does occur wash out mouth with water provided the person is conscious. Never give anything by mouth to someone that is unconscious. DO NOT induce vomiting unless instructed to by medical personnel. Loosen tight clothing including collars and belts. Get medical attention immediately.

**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. Get medical attention immediately.

**Skin contact:** Take off immediately all contaminated clothing. Rinse with water thoroughly. Get medical advice if irritation develops or persists.

**Additional Info:** Observe for any symptoms for several hours after exposure. Follow up with medical attention if symptoms develop.

**Section 5: Fire Fighting Measures**

---

**General Info:** Use proper safety equipment.

**Extinguishing** Suitable: Carbon dioxide, dry chemical powder, or appropriate foam

**Method / Equipment:**

**Hazardous** Constituents associated with burning / combustion are to be considered toxic. Firefighters should wear

**Decomposition Info:** self-contained breathing apparatus and full protective gear.

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

**Section 6: Accidental Release Measures**

---

**Personal precautions, protective equipment and procedures:** Person protected with full face shield and NIOSH approved respirator and cartridge for chlorine vapor and dust. Ventilate area and wash spill site after pick up is completed.

**Containment Equipment and Procedures:** Clean up and place in a proper waste disposal container.

**Cleanup Procedures:** Collect all contaminated media, or other cleanup materials into a waste receptacle. If cleaning surface is necessary, utilize vacuum cleaner, provided adequate ventilation is available.

**Section 7: Handling and Storage**

---

**Safe Handling Precautions:** Do not handle until all safety precautions have been read and understood. Keep containers tightly closed. Ensure adequate ventilation. Avoid breathing vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Wear appropriate personal protective equipment and wash thoroughly after handling.

**Work/Hygienic Practices:** Use good personal hygiene after handling

**Recommendations for Storage:** Keep away from incompatible materials such as oxidizing agents, metals, acids, and alkalis.

**Other Precautions:** 0.01 ppm high efficiency particular respirator/supplied air respirator/self-contained breathing apparatus; 0.2 ppm same as above with full face piece; 1 ppm powdered air purifying respirator with high efficiency filter/type C supplied air respirator operated in pressure demand mode. Store in a sealed container, plastic or plastic liner, in a cool, well ventilated, dry area away from volatile acids.

**Section 8: Exposure Control / Personal Protection**

---

**General / Ventilation:** Local Exhaust: Required in handling area

**Engineering Controls:** Mechanical: Desirable to insure concentration of material below TLV/TWA levels

Other: Closed ventilation system (Laboratory Fume Hood)

**Work Clothing:** Protective work clothing which covers skin and prevents exposures. Lab coat/apron, flame and chemical resistant protective clothing, eye wash, safety shower, and hygiene facilities for washing.

**Eye/face protection:** Wear safety glasses with side shields or goggles or face shield.

**Skin Protection:** Wear chemical resistant gloves.

**Respiratory Protection:** NIOSH approved chemical cartridge respirator for acid gas/chlorine (42 CFR part 84) and self-contained breathing apparatus with full face shield.

**Section 9: Physical and Chemical Properties**

---

<b>State:</b> Solid	<b>Melting Point:</b> 248 °F 120 °C	<b>Freezing Point:</b> N/A
<b>Color:</b> Yellow	<b>Boiling Point/Range:</b> N/A	<b>pH:</b> N/A
<b>Molecular Wt.:</b> N/A	<b>Odor:</b> Metallic odor-Iodine	<b>Water Solubility:</b> Slightly soluble in cold water
<b>Evaporation rate:</b> N/A	<b>Flash Point:</b> N/A	<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> N/A	<b>Viscosity:</b> N/A	<b>Autoignition Temp:</b> N/A
<b>Specific Gravity:</b> 8.25 g/cm <sup>3</sup>		

**Section 10: Stability and Reactivity**

---

**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. **Conditions To Avoid (Stability): Extreme heat. Incompatible materials**

**Incompatible materials:** Moisture. Light.

**Decomposition products:** Iodine

**Section 11: Toxicological Information**

---

**General Information:** To the best of our knowledge, the chemical, physical, and toxicological properties of this compound have not been thoroughly investigated.

**Section 12: Ecological Information**

---

**General information:** No specific data available.

**Section 13: Disposal Information**

---

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

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

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

**Section 14: Transport Information**

---

**DOT:** Considered non-hazardous for transport

**IMO/IMDG:** Inquire for further transport information.

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

**OTHER:** Inquire for further transport information.

**Section 15: Regulatory Information**

---

**TSCA:** Gold (I) iodide is TSCA registered

**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.

DSL: No

NDSL: Yes

**European Union (EU) Regulatory Information:** Indication of danger: Irritant

R: 36/37/38

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

S: 26-37/39

Safety Statements: In case of contact with eyes, Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses if present and easy to do. Get medical attention immediately.

**Section 16: Other Information**

---

**NFPA Rating**

Health: 1

Fire: 0

Reactivity: 0

**HMIS Rating**

Health: 1

Fire: 0

Reactivity: 0

Personal

Protection: E

**Disclaimer:** In compliance with the OSHA Hazard communication Standard, 29 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 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 MSDS to your customer.*

Colonial Metals, Inc.

**Version Date:**

8/1/2016