

Product# 2006

Safety Data Sheet
29 CFR 1910.1200

Section 1: Company and Product Identification

Product Name: Gold (III) Chloride

Product Code: 2006

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

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.

Hazards not otherwise classified: None known

Section 3: Composition / Information on Ingredients

Hazardous substance (name)	Hazard Category	CAS#	Weight %
Gold (III) Chloride	Irritant	13453-07-1	98 - 100
<p>Product Name: Gold (III) Chloride Chemical Family: Group 1B Metal Salt Chemical Formula: AuCl₃ Synonyms: Gold Trichloride, Auric Chloride</p>			

Section 4: First Aid Measures

General Info: Ensure proper ventilation.

Notable Exposure: Irritation to skin, eyes and areas of contact.

symptoms:

If ingested: Rinse mouth. Seek immediate medical attention. Clear the airway and administer artificial respiration if not breathing.

If swallowed, do not induce vomiting unless directed to do so by medical personnel.

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 if irritation develops or persists.

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. This substance is an oxidizer and its heat of reaction with reducing agents or combustibles may cause ignition. Can decompose to emit toxic nitrous oxide (NOX) gases.

Extinguishing: Use water spray, foam, dry chemical, carbon dioxide or medium for primary source.

Method / Equipment:

Hazardous: Constituents associated with burning / combustion are to be considered toxic. Firefighters should wear self-contained breathing apparatus and full protective gear.

Decomposition Info:

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

EMITS TOXIC FUMES UNDER FIRE CONDITIONS. CONTACT WITH OTHER MATERIAL MAY CAUSE FIRE. MAY ACCELERATE COMBUSTION.

Section 6: Accidental Release Measures

Personal precautions, Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all protective equipment ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate

and procedures: protective equipment (SCBA) and clothing during clean-up. Avoid breathing vapor. Ventilate area if easy to do so and wash spill site after clean up is complete. Contact local authorities if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Containment Large Spills: Dike major spills. Neutralize with slaked lime or sodium bicarbonate solution, soak up Equipment and place in a sealed container. Collect material and dispose/reclaim.

Procedures:

Small Spills: Collect material and dispose.

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 Do not handle until all safety precautions have been read and understood. Keep containers tightly

Precautions: 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 Light sensitive.

for Storage: Air and Moisture Sensitive.

Handle and store under inert gas.

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 Mechanical: Desirable to insure concentration of material below TLV/TWA levels
Controls: 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 NIOSH approved chemical cartridge respirator for acid gas/chlorine (42 CFR part 84) and self-
Protection: contained breathing apparatus with full face shield.
Additional None
Information:

Section 9: Physical and Chemical Properties

State: Solid Powder	Melting Point: 254°C (decomposes)	Freezing Point: N/A
Color: Red-brown to dark red hygroscopic crystals	Boiling Point/Range: 509 °F 265 °C	pH N/A
Molecular Wt. 303.33	Odor: N/A	Water Solubility: Very Soluble
Evaporation rate: N/A	Flash Point: N/A	Part. Coeff (n): N/A octanol/water
Upper Flam Limits: N/A	Lower Flam Limits: N/A	Vapor Density: 7.57 g/mL @ 25C
VOC Content (lbs/gal): N/A	Viscosity: N/A	Autoignition Temp: N/A
Specific Gravity: 3.9		

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):**
Moisture and light
Incompatible materials: Ammonia and amines
Decomposition products: Hydrogen chloride gas.

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.

Toxicological Information (product): Reproductive Effects
 Toxicity
 Rat
 Subcutaneous
 Paternal effects: Testes, epididymis, sperm duct

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

Toxicological Information (contained substances)

Carcinogenicity or mutagenicity: No data available

Sensitization: Material can be destructive to the tissue of the upper respiratory tract and mucous membranes. May be harmful if inhaled.

Section 12: Ecological Information

General information: No specific 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

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: All ingredients of this product are listed or are excluded from listing under the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

SARA Section 313 This product does not contain any ingredients regulated under Section 313 of the Emergency Planning Notification and Community Right-To-Know Act of 1986 or 40 CFR 372.

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: Yes

European Union Symbol of Danger: Xi

(EU) Regulatory Indication of Danger: Irritant

Information: 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 protective clothing.

Section 16: Other Information

NFPA Rating

Health: 2

Fire: 0

Reactivity: 0

HMIS Rating

Health: 2

Fire: 0

Reactivity: 0

Personal

Protection: J

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 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.

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