

Safety Data Sheet

29 CFR 1910.1200

Section 1: Company and Product Identification

Product Name: Ammonium Tetrachloroplatinate (II)

Product Code: 6009

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

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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 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

Precautionary Statements: P202: Do not handle until all safety precautions have been read and understood
 P210: Keep away from heat/sparks/open flames/hot surfaces – No smoking
 P241: Use explosion-proof electrical/ventilating/light/.../equipment
 P264: Wash thoroughly after handling
 P280: Wear protective gloves/protective clothing/eye protection/face protection
 P302+334: IF ON SKIN: Immerse in cool water/wrap in wet bandages
 P405: Store locked up
 P501: Dispose of contents/container in accordance with local/national/international rules.
 P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing

Hazards not otherwise classified: The toxicological properties of this material have not been fully investigated. May cause eye and skin irritation. May cause respiratory and digestive tract irritation.
 Target Organs: Respiratory system, eyes, skin.

Section 3: Composition / Information on Ingredients

Hazardous substance (name)	Hazard Category	CAS#	Weight %
Ammonium Tetrachloroplatinate (II)	Irritant	13820-41-2	0 - 99.9
Chemical Name: Ammonium Tetrachloroplatinate (II), Chloroammoniumplatinatate, Ammonium platinous chloride Chemical Family: Platinum Group Metals Salts Chemical Formula: (NH ₄) ₂ Pt.Cl ₄			

Section 4: First Aid Measures

General Info: Irritating to respiratory tract, skin & eyes. Maybe harmful if swallowed.

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 if victim is having problems breathing.

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.

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: Wear self-contained respirator. Wear fully protective impervious suit.

Extinguishing: Use CO₂ (Carbon Dioxide), dry chemical, or foam

Method / Equipment:

Hazardous: Firefighters should wear self-contained breathing apparatus and full protective gear. Can decompose

Decomposition Info: to emit toxic chlorine and ammonia vapor

Section 6: Accidental Release Measures

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 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: Large Spills: Contain actively spilling material if safe and easy to do so, avoid generating dust.
Equipment and Procedures: Collect material and dispose.

Small Spills: Sweep and collect to waste receptacles.

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 dust. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Wear appropriate personal protective equipment and wash thoroughly after handling. Protect against electrostatic charges

Recommendations for Storage: Store in a tightly closed container. Store in a cool, dry, well-ventilated area away

from incompatible substances

Incompatibilities: Store away from strong acids or oxidizing agents. Refer to Section 10.

Section 8: Exposure Control / Personal Protection

General / Engineering Use with properly operating chemical fume hood designed for hazardous chemicals with adequate
Controls: local and general exhaust ventilation.

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 Protection: Utilize organic vapor respirator if airborne levels are not maintained or if ventilation is inadequate.

Additional Information: The usual precautionary measure for handling chemicals should be followed. Keep away from foodstuffs, beverages and feed. Remove all soiled and contaminated clothing immediately. Wash hands before breaks and at the end of work. Maintain an ergonomically appropriate working environment

Section 9: Physical and Chemical Properties

State: Solid	Melting Point: 145 °C	Specific Gravity: 2.9360 g/cm ³
Color: Red Powder	Boiling Point/Range: N/A	pH: N/A
Molecular Wt. 372.98	Odor: N/A	Water Solubility: Soluble
Evaporation rate: N/A	Flash Point: N/A	Part. Coeff (n-octanol/water): N/A
Upper Flam Limits: N/A	Lower Flam Limits: N/A	Vapor Pressure: N/A
VOC Content (lbs/gal): N/A	Viscosity: N/A	Autoignition Temp: N/A

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.

Incompatible materials: Mixing with mineral acids and organic reducing agents

Decomposition products: Nitrogen oxides, carbon monoxide, irritating and toxic fumes and gases, carbon dioxide. Incompatible materials, dust generation, excess heat, strong oxidants

Section 11: Toxicological Information

General Information: No data available

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: No data available

Sensitization: Platinum salts, especially ionic platinum halogeno complexes, may cause severe allergic reactions.

Other Notes: To the best of our knowledge the acute and chronic toxicity of this substance is not fully known.

Section 12: Ecological Information

General information: Product not tested.

Aquatic toxicity: No specific data available. Do not allow large quantities of product to reach water, ground water, water courses or sewer systems.

Degradation / Mobility info: No specific data available.

Bioaccumulative potential: No specific data available.

Section 13: Disposal Information

- Product disposal:** Dispose of product in accordance with local, regional, and national regulations. Consult with a licensed professional waste contractor to dispose of this material.
- Container disposal:** Treat empty containers with extra care. Consult waste contractor.
- Other considerations:** 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:** Proper Shipping Name
Non Hazardous Goods
DOT Shipping Label
Non Hazardous Goods
- IMO/IMDG:** Consult regulations
- IATA:** Consult regulations
- OTHER:** Inquire for further transport information.
- Comments:** None

Section 15: Regulatory Information

- TSCA:** CAS# 13820-41-2 is listed on the TSCA inventory.
- SARA 313** This product does not contain any ingredients regulated under Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 or 40 CFR 372.
- Canadian DSL:** CAS# 13820-41-2 (listed as Platinum) is listed on the Canadian Ingredient Disclosure List.
- European Union (EU) Risk Phrases:** Not available
- Regulatory Information:** **Safety Phrases:**
S 24/25 Avoid contact with skin and eyes.
S 37 Wear suitable gloves.
S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
S 28A After contact with skin, wash immediately with plenty of water
- State Regulations:** CAS# 13820-41-2 can be found on the following state right to know lists: New Jersey. California No Significant Risk Level: None of the chemicals in this product are listed

Section 16: Other Information

<u>NFPA Rating</u>	<u>HMIS Rating</u>	<u>Precautionary Label</u>
Health: 1	Health: 1	Irritant
Fire: 0	Fire: 0	
Reactivity: 0	Reactivity: 0	
	Personal	
	Protection: C	

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 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.

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