

Safety Data Sheet
29 CFR 1910.1200

Section 1: Company and Product Identification

Product Name: Potassium Tetrachloroplatinate (II) Anhydrous

Product Code: 6087

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

Hazard Pictograms:



Signal Word: Danger

Hazard Category: Acute tox, oral Cat 1/2
Acute tox, inh. Cat 1/2
Acute tox, dermal Cat 1/2
Hazard to aquatic environment, acute Cat 1
Hazard to aquatic environment, chronic Cat 1

Hazard Statements: H300: Fatal if swallowed
H330: Fatal if inhaled
H310: Fatal in contact with skin
H400: Very toxic to aquatic life
H410: Very toxic to aquatic life with long lasting effects

Precautionary Statements: P260: Do not breathe dust/fume/gas/mist/vapours/spray
P264: Wash thoroughly after handling
P273: Avoid release to the environment
P342+311: If experiencing respiratory symptoms: Call a POISON CENTER or
P280: Wear protective gloves/protective clothing/eye protection/face protection
P301+310: IF SWALLOWED: Immediately call a POISON CENTER or
P302+350: IF ON SKIN: Gently wash with plenty of soap and water
P304+341: IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing
P312: Call a POISON CENTER or doctor/physician if you feel unwell
P361: Remove/Take off immediately all contaminated clothing
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: Conditions Aggravated By Exposure:
May cause irritation of the respiratory system. Maintain housekeeping and personal hygiene to minimize exposure and prevent sensitization.

Conditions Aggravated By Overexposure:
The non-volatile salts of cyanide appear to be relatively non-toxic systematically, unless they are ingested and care is taken to prevent the formation of hydrocyanic acid. Exposure to small amounts of cyanide compounds for prolonged periods can cause loss of appetite, headache, weakness, nausea, and dizziness.

Section 3: Composition / Information on Ingredients

Hazardous substance (name)	Hazard Category	CAS#	Weight %
Potassium Tetrachloroplatinum (II) Anhydrous	Highly toxic by inhalation, Highly toxic by ingestion, Highly toxic by skin absorption	15004-88-3	99.9
Chemical Name: Potassium Tetracyano Platinatate (II) Anhydrous Chemical Family: Platinum Group Metal Salts Chemical Formula: K2Pt(CN)4 Synonyms: Potassium Tetracyanoplatinatate(II) Cyanide			

Section 4: First Aid Measures

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 to fresh air immediately. Check the pulse. If the heart has stopped, administer CPR. Get medical attention immediately. Call a physician or a poison control center 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 immediate medical attention.

Skin contact: Take off immediately all contaminated clothing. Rinse with water thoroughly. Get medical attention immediately.

Section 5: 5. Fire Fighting Measures

General Info: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Emits toxic fumes under fire conditions

Extinguishing Method / Use water spray, foam, carbon dioxide or medium for primary source

Hazardous Decomposition Info: Constituents associated with burning / combustion are to be considered toxic. Firefighters should wear self-contained breathing apparatus and full protective gear. Use NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing

Section 6: 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/vapors. 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: Sweep up and place in a sealed container taking care to avoid dusting. Person protected with full face shield and proper respirator for acid gas and particulates. Ventilate area and wash spill site after pickup is complete.

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 dust/vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Wear appropriate personal protective equipment and wash thoroughly after handling.

Recommendations for Storage: Keep container tightly closed in a dry and well-ventilated place. Never allow product to get in contact with water during storage. Do not store near acids

Incompatibilities: Store away from strong volatile acids. Refer to Section 10.

Other Precautions: .01 ppm high efficiency particulate 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 / Engineering Controls: Ventilation: Local Exhaust: Required in handling area
Mechanical: Desirable to insure concentration of material below TLV/TWA levels

Work Clothing: Protective work clothing which covers skin and prevents exposures.

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

Skin Protection: Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory Protection: Where risk assessment shows air-purifying respirators are appropriate use full-face particle respirator type N((US) or type 92 (EN 143) respirator cartridges as a back up to engineering controls. If the respirator is the sole means of protection, use a full face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Section 9: Physical and Chemical Properties

State: Solid	Melting Point: 250 °C	Freezing Point: N/A
Color: Yellow White Powder	Boiling Point/Range: N/A	pH: N/A
Molecular Wt. 377.37	Odor: None	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

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: Strong oxidizers, such as nitrates or chlorates, acids and acid salts

Decomposition products: Poisonous hydrogen cyanide gas.

Section 11: Toxicological Information

General Information: 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.

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.

Section 13: Disposal Information

Product disposal: Dispose of product in accordance with local, regional, and national regulations. Consult with waste contractor.

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: Proper Shipping Name:

Toxic solids, organic, n.o.s. (Potassium Tetracyano Platinite (II) Anhydrous)

Hazard Class:

6.1

DOT Identification Number:

UN2811

Packaging Requirements:

Group I

Section 15: Regulatory Information

OSHA Hazards: Highly toxic by inhalation, Highly toxic by ingestion, Highly toxic by skin absorption

SARA 311/312 [SARA Hazard Classes](#)

Acute Health Hazard

SARA Section 313 Notification

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.

SARA 313 This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313

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

Potassium Tetracyano Platinite (II) Anhydrous CAS-No. 15004-88-3

New Jersey Right To Know Components

Potassium Tetracyano Platinite (II) Anhydrous CAS-No. 15004-88-3

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.

European Union (EU) Regulatory Information: R23/24/25 - Harmful by inhalation, in contact with skin and if swallowed

R36/37/38 - Irritating to eyes, respiratory system and skin

S23 - Do not breathe gas/fumes/vapor/spray.

S24/25 - Avoid contact with skin and eyes

S36/39 - Wear suitable protective clothing and eye/face protection

Section 16: Other Information

<u>NFPA Rating</u>	<u>HMIS Rating</u>	<u>Precautionary Label</u>
Health: 4	Health: 4	Highly toxic by inhalation
Fire: 0	Fire: 0	Highly toxic by ingestion
Reactivity: 0	Reactivity: 0	Highly toxic by skin absorption
Other: COR	Personal	
	Protection: C	

***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.

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