

Product# 3009

Safety Data Sheet
29 CFR 1910.1200

Section 1: Company and Product Identification**Product Name:** Potassium Hexachloro Iridate (IV)**Product Code:** 3009

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

Response: 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 2
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
H315: Causes skin irritation
H319: Causes serious eye irritation
H335: May cause respiratory irritation

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
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:

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

Section 3: Composition / Information on Ingredients

Hazardous substance (name)	Hazard Category	CAS#	Weight %
Potassium Hexachloro Iridate (IV)	Irritant	16920-56-2	99.9
Chemical Name: Potassium Hexachloroiridium (IV), Potassium Iridium (IV) Hexachloride Chemical Family: Platinum Group Metal Salts Chemical Formula: K ₂ IrCl ₆			

Section 4: First Aid Measures

General Info: Ensure proper ventilation.**Notable Exposure symptoms:** Irritation to skin, eyes and areas of contact.**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.**Section 5: Fire Fighting Measures**

General Info: Can decompose to emit toxic ammonia and chlorine gases.**Extinguishing** For small (incipient) fires, use water or other media such as alcohol-resistant foam, dry chemical, or**Method / Equipment:** carbon dioxide. For large fires, apply water from as far as possible. Use very large quantities (flooding) of water applied as a mist or spray; solid streams of water may be ineffective**Hazardous** Constituents associated with burning / combustion are to be considered toxic. Firefighters should wear**Decomposition Info:** self-contained breathing apparatus and full protective gear.**Section 6: Accidental Release Measures**

Personal precautions, protective equipment and procedures: Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment (SCBA) and clothing during clean-up. Avoid breathing dust. 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** Pick up and arrange for disposal without creating dust. Sweep up and shovel. Keep in suitable closed **Equipment and** containers for disposal.**Procedures:****Section 7: Handling and Storage**

Safe Handling Avoid contact with eyes, prolonged or repeated contact with skin. Use compatible chemical resistant**Precautions:** gloves. Wash hands thoroughly after handling**Recommendations for Storage:** Store in cool, dry area in a tightly closed product container away from sources of ignition or flame.**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: Yes**Engineering** Mechanical: Yes**Controls:** Other: Fume Hood**Work Clothing:** 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 dust/mist/fume/radionuclide or self-contained**Protection:** breathing apparatus with full face shield**Section 9: Physical and Chemical Properties**

State: Solid	Melting Point: Decomposes >385 °C	Freezing Point: N/A
Color: Dark Red/Black Crystals	Boiling Point/Range: N/A	pH: N/A
Molecular Wt. 483.45	Odor: N/A	Water Solubility: 0.6 mg/100 ml
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. Conditions To Avoid (Stability) Elevated temperature.

Incompatible materials: Strong reducing agents

Decomposition products: Chlorine vapors

Section 11: Toxicological Information

Toxicological Information: To the best of our knowledge the chemical, physical, and toxicological properties of this compound

Information: have not been thoroughly investigated.

Sensitization: Product is not expected to be a sensitizer.

Section 12: Ecological Information

General information: Product not tested.

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.

Section 14: Transport Information

DOT: Potassium Hexochloro Iridate (IV)
Not a hazardous substance

IMO/IMDG: Not Dangerous Goods - Considered non-hazardous for transport.

IATA: Not Dangerous Goods - Considered non-hazardous for transport.

Section 15: Regulatory Information

SARA Components: 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

Canadian Regulatory Information: All ingredients of this product comply with the New Substances Notification requirements of the

Information: Canadian Environmental Protection Act (CEPA).

European Union (EU) Regulatory Information: R36/37/38 - Irritating to eyes, respiratory system and skin

Information:

Section 16: Other Information

NFPA Rating

Health: 0

Fire: 0

Reactivity: 0

HMIS Rating

Health: 0

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 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:

6/20/2016