

Product# 3008

**Safety Data Sheet**  
29 CFR 1910.1200

**Section 1: Company and Product Identification**

**Product Name:** Sodium Hexachloro Iridate (III) Hydrate

**Product Code:** 3008

**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 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 %
Sodium Hexachloro Iridate (III) Hydrate	Irritant	123334-23-6	99.9
<b>Chemical Name:</b> Sodium Hexachloro Iridate (III) Hydrate <b>Chemical Formula:</b> Na3IrCl6.xH2O			

**Section 4: First Aid Measures**

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**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.

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

**Section 5: Fire Fighting Measures**

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**General Info:** Hazardous decomposition products formed under fire conditions. - Hydrogen chloride gas, Sodium oxides, Iridium oxides

**Extinguishing Method / Equipment:** For small (incipient) fires, use water or other media such as alcohol-resistant foam, dry chemical, or 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 Decomposition Info:** Constituents associated with burning / combustion are to be considered toxic. Firefighters should wear self-contained breathing apparatus and full protective gear.

**Section 6: Accidental Release Measures**

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**Personal precautions 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 (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 Equipment and Procedures:** Pick up and arrange for disposal without creating dust. Sweep up and shovel. Keep in suitable closed containers for disposal.

**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**

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**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. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Wear appropriate personal protective equipment and wash 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**

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**General / Ventilation:** Local Exhaust: Yes  
**Engineering Controls:** Mechanical: Yes  
 Other: 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:** Wear protection for nuisance levels of dusts. Utilize type N95 (US) or type P1 (EN 143) dust masks.

For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Additional Information:** Contains no substances with occupational exposure limit values

**Section 9: Physical and Chemical Properties**

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<b>State:</b> Solid Powder	<b>Melting Point:</b> N/A	<b>Freezing Point:</b> N/A
<b>Color:</b> Tan	<b>Boiling Point/Range:</b> N/A	<b>pH:</b> N/A
<b>Molecular Wt.:</b> N/A	<b>Odor:</b> N/A	<b>Water Solubility:</b> N/A
<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 Pressure:</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> N/A		

**Section 10: Stability and Reactivity**

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**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 oxidizing agents

**Decomposition products:** Hazardous decomposition products formed under fire conditions. - Hydrogen chloride gas, Sodium oxides, Iridium oxides

**Section 11: Toxicological Information**

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

**Toxicological Information (contained substances)**

**Carcinogenicity or mutagenicity:** IARC: 3 - No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IRAC.

**ACGIH:** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by ACGIH.

**NTP:** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by NTP.

**OSHA:** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by OSHA.

**Sensitization:** Product is not expected to be a sensitizer.

**Section 12: Ecological Information**

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**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**

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**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**

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**DOT:** Not Dangerous Goods - Considered non-hazardous for transport.**IMO/IMDG:** Not Dangerous Goods - Considered non-hazardous for transport.**IATA:** Not Dangerous Goods - Considered non-hazardous for transport.**OTHER: Proper Shipping Name:** Sodium Hexachloro Iridate (III) Hydrate**Section 15: Regulatory Information**

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**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 Components: SARA 302 Components:** SARA 302: This material does not contain any chemical components SARA Title III, Section 302 reporting requirements.**SARA 313 Components:** 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**SARA 311/312 Hazards:** No Sara Hazards**Right to Know Massachusetts Right To Know Components:** No Components are subject to the Massachusetts Right to Know Act**Pennsylvania Right To Know Components:** Sodium Hexachloro Iridate (III) Hydrate, CAS # 123334-23-6**New Jersey Right To Know Components:** Sodium Hexachloro Iridate (III) Hydrate, CAS # 123334-23-6**California Prop. 65 Components:** This product does not contain any chemicals known to the State**Section 16: Other Information**

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**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, 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.

**SDS Author:** John Kerchner**Version Date:** 9/8/2015