



MATERIAL SAFETY DATA SHEET

Dihydrogen Hexachloro Iridate (IV) Hydrate

1. Product And Company Identification			
<p>Supplier Colonial Metals, Inc. Building 20 505 Blue Ball Road Elkton, MD 21921 United States</p> <p>Company Contact: Joseph J. Fittos III Telephone Number: 410-398-7200 FAX Number: 410-398-2918 E-Mail: jfittos@colonialmetals.com Web Site: colonialmetals.com</p>	<p>Manufacturer Colonial Metals, Inc. Building 20 505 Blue Ball Road Elkton, MD 21921 United States</p> <p>Company Contact: Joseph J. Fittos III Telephone Number: 410-398-7200 FAX Number: 410-398-2918 E-Mail: jfittos@colonialmetals.com Web Site: colonialmetals.com</p>		
<p>Supplier Emergency Contacts & Phone Number Chemtrac: 800-424-9300 World Wide - Call COLLECT to U.S: 703-527-3887</p>	<p>Manufacturer Emergency Contacts & Phone Number Chemtrac: 800-424-9300 World Wide - Call COLLECT to U.S: 703-527-3887</p>		
<p>Issue Date: 10/14/2006</p> <p>Product Name: Dihydrogen Hexachloro Iridate (IV) Hydrate Chemical Name: Chloroiridic Acid CAS Number: 16941-92-7 Chemical Family: Platinum Group Metal Salts Chemical Formula: H₂IrCl₆* "X" H₂O ("X" = Number of waters) MSDS Number: 3001 Product Code: 3001</p>			
2. Composition/Information On Ingredients			
	Ingredient Name	CAS Number	Percent Of Total Weight
	Chloroiridic Acid	16941-92-7	80
EMERGENCY OVERVIEW			
<p>To the best of our knowledge the chemical, physical, and toxicological properties have not been thoroughly investigated. Avoid elevated temperature. Product incompatible with strong reducing agents. Can decompose hydrochloric acid (Hydrogen Chloride) and chlorine vapors.</p>			
Hazards Identification (Pictograms)			
3. Hazards Identification			
<p>Primary Routes(s) Of Entry</p> <p>Inhalation: Likely Skin: Likely Ingestion: Likely</p>			



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3. Hazards Identification - Continued

Eye Hazards

Severe irritation

Skin Hazards

Irritation; Can cause redness, pain or skin burns

Ingestion Hazards

May cause gastrointestinal irritation; poisoning is unlikely on a single exposure.

Does not cause serious toxic manifestations.

Inhalation Hazards

Irritation to the mucous membranes

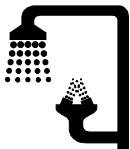
Conditions Aggravated By Exposure

May cause irritation of the respiratory system. Maintain housekeeping and personal hygiene to minimize exposure and prevent sensitization.

Conditions Aggravated By Overexposure

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

First Aid (Pictograms)



4. First Aid Measures

Eye

Flush for 15 minutes with plenty of water. If discomfort occurs or persists, contact a physician.

Skin

Flush area for 15 minutes with water and wash with soap and water. If discomfort occurs or persists, contact a physician. Remove contaminated clothing and shoes and wash before reuse.

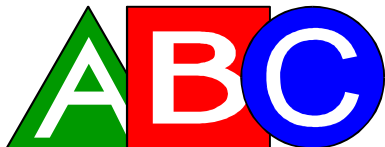
Ingestion

Not expected to be a problem in industry. However if swallowed and discomfort occurs, contact a physician.

Inhalation

Remove to fresh air immediately. If discomfort occurs or persists, contact a physician.

Fire Fighting (Pictograms)





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Dihydrogen Hexachloro Iridate (IV) Hydrate

5. Fire Fighting Measures

Flash Point Method: NA

Flammability Class: NA

Fire And Explosion Hazards

Use proper safety equipment. Can decompose to emit toxic hydrogen chloride or chlorine gas.

Extinguishing Media

Water spray, CO2, foam or medium to fight primary source.

Fire Fighting Instructions

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

6. Accidental Release Measures

Sweep up and place in a sealed container. Person protected with full face shield and NIOSH approved respirator and cartridge for acid gas.

7. Handling And Storage

Handling And Storage Precautions

Avoid contact with eyes, prolonged or repeated contact with skin. Use compatible chemical resistant gloves.

Wash hands thoroughly after handling.

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.

Protective Clothing (Pictograms)



8. Exposure Controls/Personal Protection

Engineering Controls

Ventilation:	Local Exhaust:	Required in handling area
	Mechanical:	Desirable to insure concentration of material below TLV/TWA levels
	Other:	Closed Ventilation system (Laboratory Fume Hood)

Eye/Face Protection

ANSI approved safety glasses/goggles

Skin Protection

Rubber/Neoprene (use compatible chemical-resistant gloves).

Respiratory Protection

NIOSH approved chemical cartridge respirator for acid gas or self-contained breathing apparatus with full face shield.

Other/General Protection

Lab coat/apron, flame and chemical resistant protective clothing, eye wash, safety shower, and hygiene facilities



MATERIAL SAFETY DATA SHEET

Dihydrogen Hexachloro Iridate (IV) Hydrate

8. Exposure Controls/Personal Protection - Continued
<u>Other/General Protection - Continued</u> for washing.
9. Physical And Chemical Properties
<u>Appearance</u> Black/Green wax like solid <u>Odor</u> Acrid odor Chemical Type: Mixture Physical State: Solid Melting Point: Decomposes °C Boiling Point: NA °C Specific Gravity: NE Molecular Weight: 512.25 Vapor Pressure: NA Vapor Density: NA pH Factor: NA Solubility: Soluble Evaporation Rate: NA
10. Stability And Reactivity
Stability: Stable Hazardous Polymerization: Will not occur <u>Conditions To Avoid (Stability)</u> Elevated temperature <u>Incompatible Materials</u> Strong reducing agents <u>Hazardous Decomposition Products</u> Hydrochloric acid (Hydrogen Chloride), chlorine vapors
11. Toxicological Information
No Data Available...
12. Ecological Information
No Data Available...
13. Disposal Considerations
Place in sealed container. Consult Federal EPA, State and local regulations for proper disposal/recycle/reclamation NOTE: Chemical additions, processing, or otherwise altering this material may make the waste management information presented above incomplete, inaccurate, or otherwise inappropriate.
14. Transport Information
No Data Available...



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15. Regulatory Information

No Data Available...

16. Other Information

Revision/Preparer Information

MSDS Preparer: Wayne Sher

MSDS Preparer Phone Number: 410-398-7200

This MSDS Supersedes A Previous MSDS Dated: 03/15/1998

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 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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