


MATERIAL SAFETY DATA SHEET

Platinum (II) Chloride

NFPA 	HMIS <table border="1"><tr><td>HEALTH</td><td>01</td></tr><tr><td>FLAMMABILITY</td><td>0</td></tr><tr><td>REACTIVITY</td><td>0</td></tr><tr><td>PERSONAL PROTECTION</td><td>J</td></tr></table>	HEALTH	01	FLAMMABILITY	0	REACTIVITY	0	PERSONAL PROTECTION	J
HEALTH	01								
FLAMMABILITY	0								
REACTIVITY	0								
PERSONAL PROTECTION	J								

1. Product And Company Identification	
Supplier Colonial Metals, Inc. Building 20 505 Blue Ball Road Elkton, MD 21921 United States Company Contact: Michael Doss - Dir. of Regulatory Affairs Telephone Number: 410-398-7200 FAX Number: 410-398-2918 E-Mail: mdoss@colonialmetals.com Web Site: www.colonialmetals.com	Manufacturer Colonial Metals, Inc. Building 20 505 Blue Ball Road Elkton, MD 21921 United States Company Contact: Michael Doss - Dir. of Regulatory Affairs Telephone Number: 410-398-7200 FAX Number: 410-398-2918 E-Mail: mdoss@colonialmetals.com Web Site: www.colonialmetals.com
Supplier Emergency Contacts & Phone Number Chemtrac: 800-424-9300 World Wide - Call COLLECT to U.S: 703-527-3887	Manufacturer Emergency Contacts & Phone Number Chemtrac: 800-424-9300 World Wide - Call COLLECT to U.S: 703-527-3887
Issue Date: 03/07/2012 Product Name: Platinum (II) Chloride Chemical Name: Platinum Chloride, Platinous Chloride CAS Number: 10025-65-7 Chemical Family: Platinum Group Metal Salts Chemical Formula: PtCl ₂ MSDS Number: 6003 Product Code: 6003	

2. Composition/Information On Ingredients			
Ingredient Name	CAS Number	>	Percent Of Total Weight
Platinum (II) Chloride	10025-65-7	>	99

EMERGENCY OVERVIEW
To the best of our knowledge the chemical, physical, and toxicological properties have not been thoroughly investigated. Product incompatible with reducing agents. Can decompose chlorine vapors.

3. Hazards Identification
Primary Routes(s) Of Entry Inhalation: Likely Skin: Likely Ingestion: Likely
Eye Hazards Irritation

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3. Hazards Identification - Continued

Skin Hazards

Dermatitis, sensitization and lymphocytosis

Ingestion Hazards

Irritation, coughing, burning pain in the mouth, throat, stomach, thorax

Inhalation Hazards

Coughing, shortness of breath or wheezing

Conditions Aggravated By Exposure

Any respiratory conditions such as asthma.

Conditions Aggravated By Overexposure

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

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.

5. Fire Fighting Measures

Flash Point Method: NA

Flammability Class: NA

Fire And Explosion Hazards

Use proper safety equipment; Can decompose to emit toxic chlorine gas.

Extinguishing Media

Use water spray, foam, dry chemical, carbon dioxide or medium for primary source.

Fire Fighting Instructions

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

6. Accidental Release Measures

Soak up and place in sealed container. Person protected with full face shield and proper respirator for chlorine vapor and dust. Ventilate area and wash spill site after pickup is complete.

7. Handling And Storage

Handling And Storage Precautions

Avoid contact with eyes, prolonged or repeated contact with skin. Avoid breathing dust. Use compatible chemical-resistant gloves. Wash hands thoroughly after handling.

Other Precautions

0.01 mg/m² high efficiency particular respirator/supplied air respirator/self-contained breathing apparatus; 0.2 mg/m² same as above with full face piece; 1 mg/m³ 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

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7. Handling And Storage - Continued

ventilated, dry area away from volatile acids.

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: Recommended

Eye/Face Protection

ANSI approved safety glasses/goggles

Skin Protection

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

Respiratory Protection

Chemical cartridge respiratory for dust/mist/fume/radionuclide 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 for washing.

9. Physical And Chemical Properties

Appearance

Grayish-green to brown powder

Chemical Type: Mixture

Physical State: Solid

Melting Point: 581 (decomposes) °C

Boiling Point: Decomposes °C

Specific Gravity: 6.0

Molecular Weight: 266.00

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

Incompatible Materials

Mixing with reducing agents

Hazardous Decomposition Products

Chlorine vapors

11. Toxicological Information

No Data Available...

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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...

15. Regulatory Information

No Data Available...

<u>NFPA</u>	<u>HMIS</u>								
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16. Other Information

Revision/Preparer Information

MSDS Preparer: Michael Doss - Dir Reg. Affairs

MSDS Preparer Phone Number: 410-398-7200 x115

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

Revision Summary

Product And Company Identification (07/28/2004)

Composition/Information On Ingredients (07/28/2004)

Hazards Identification (07/28/2004)

First Aid Measures (07/28/2004)

Fire Fighting Measures (07/28/2004)

Accidental Release Measures (07/28/2004)

Handling And Storage (07/28/2004)

Exposure Controls/Personal Protection (07/28/2004)

Physical And Chemical Properties (07/28/2004)

Stability And Reactivity (07/28/2004)

Disposal Considerations (07/28/2004)

Other Information (03/07/2012)

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.

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Disclaimer - Continued

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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