


# MATERIAL SAFETY DATA SHEET

## Platinum (II) Chloride

<b>NFPA</b> 	<b>HMIS</b> <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								

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

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

<b>EMERGENCY OVERVIEW</b>
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.

<b>3. Hazards Identification</b>
<b>Primary Routes(s) Of Entry</b> Inhalation: Likely Skin: Likely Ingestion: Likely
<b>Eye Hazards</b> 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/m<sup>2</sup> high efficiency particular respirator/supplied air respirator/self-contained breathing apparatus; 0.2 mg/m<sup>2</sup> same as above with full face piece; 1 mg/m<sup>3</sup> 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...

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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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