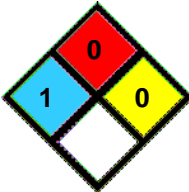


**Rhenium (III) Chloride**

|    |    |    |    |    |    |    |    |    |
|----|----|----|----|----|----|----|----|----|
| Ru | Rh | Pd | Ag | Re | Os | Ir | Pt | Au |
|----|----|----|----|----|----|----|----|----|

|  |   |        |    |              |   |            |   |                     |   |
|--|---|--------|----|--------------|---|------------|---|---------------------|---|
| <b>NFPA</b><br> | <b>HMIS</b><br><table border="1"> <tr> <td style="background-color: #00B0F0;">HEALTH</td> <td style="text-align: center;">01</td> </tr> <tr> <td style="background-color: #FF0000;">FLAMMABILITY</td> <td style="text-align: center;">0</td> </tr> <tr> <td style="background-color: #FFFF00;">REACTIVITY</td> <td style="text-align: center;">0</td> </tr> <tr> <td>PERSONAL PROTECTION</td> <td style="text-align: center;">C</td> </tr> </table> | HEALTH | 01 | FLAMMABILITY | 0 | REACTIVITY | 0 | PERSONAL PROTECTION | C |
| HEALTH   | 01  |        |    |              |   |            |   |                     |   |
| FLAMMABILITY   | 0   |        |    |              |   |            |   |                     |   |
| REACTIVITY   | 0   |        |    |              |   |            |   |                     |   |
| PERSONAL PROTECTION  | C   |        |    |              |   |            |   |                     |   |

**1. Product And Company Identification**

|   |   |
|---|---|
| <b>Supplier</b><br>Colonial Metals, Inc.<br>Building 20<br>505 Blue Ball Road<br>Elkton, MD 21921 United States<br><br><b>Company Contact:</b> Wayne Sher<br><b>Telephone Number:</b> 410-398-7200<br><b>FAX Number:</b> 410-398-2918<br><b>E-Mail:</b> wsher@colonialmetals.com<br><b>Web Site:</b> colonialmetals.com | <b>Manufacturer</b><br>Colonial Metals, Inc.<br>Building 20<br>505 Blue Ball Road<br>Elkton, MD 21921 United States<br><br><b>Company Contact:</b> Wayne Sher<br><b>Telephone Number:</b> 410-398-7200<br><b>FAX Number:</b> 410-398-2918<br><b>E-Mail:</b> wsher@colonialmetals.com<br><b>Web Site:</b> colonialmetals.com |
| <b>Supplier Emergency Contacts &amp; Phone Number</b><br>Chemtrac: 800-424-9300<br>World Wide - Call COLLECT to U.S: 703-527-3887   | <b>Manufacturer Emergency Contacts &amp; Phone Number</b><br>Chemtrac: 800-424-9300<br>World Wide - Call COLLECT to U.S: 703-527-3887   |

**Issue Date:** 12/30/2010

**Product Name:** Rhenium (III) Chloride  
**Chemical Name:** Same as above  
**CAS Number:** 13569-63-6  
**Chemical Family:** Platinum Group Metal  
**Chemical Formula:** Cl<sub>3</sub>Re  
**MSDS Number:** 10005  
**Product Code:** 1000-5

**2. Composition/Information On Ingredients**

| Ingredient Name      | CAS Number | Percent Of Total Weight |
|----------------------|------------|-------------------------|
| Rhenium(III)Chloride | 13569-63-6 | 0 - 99                  |

**EMERGENCY OVERVIEW**

**Irritating to eyes, respiratory system and skin.**

**Rhenium (III) Chloride**

Ru Rh Pd Ag Re Os Ir Pt Au

**Hazards Identification (Pictograms)****3. Hazards Identification****Primary Routes(s) Of Entry**

Eye Contact, Ingestion, Inhalation, Skin Contact

**Eye Hazards**

Causes eye irritation.

**Skin Hazards**

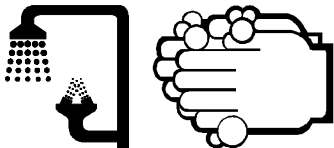
Causes skin irritation.

**Ingestion Hazards**

Harmful if swallowed.

**Inhalation Hazards**

Causes respiratory tract irritation.

**First Aid (Pictograms)****4. First Aid Measures****Eye**

In case of contact, immediately flush eyes with plenty of water.

**Skin**

Rinse thoroughly with water and gently dry. Get medical attention immediately if irritation (redness, rash, blistering) develops and persists.

**Ingestion**

Call a physician or a poison control center immediately. DO NOT INDUCE VOMITING.

**Inhalation**

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. Call a physician or a poison control center immediately.

**Fire Fighting (Pictograms)**



**5. Fire Fighting Measures**

**Extinguishing Media**  
In case of fire, use water fog, dry chemical, CO2, or "alcohol" foam. Water may be ineffective.

**Fire Fighting Instructions**  
Avoid breathing vapors, gases and fumes. Firefighters should wear self-contained breathing apparatus and full protective gear. Eliminate sources of ignition.

**6. Accidental Release Measures**

Avoid release to the environment. Clean up spill immediately.

**7. Handling And Storage**


**Handling And Storage Precautions**  
Keep containers tightly closed. Use only with adequate ventilation. Wash thoroughly after handling.

**Handling Precautions**  
Avoid breathing dust or spray mist. Avoid contact with skin and clothing.

**Storage Precautions**  
Do not store directly on ground. Store in a dry place.

**Work/Hygienic Practices**  
Use good personal hygiene. Wash thoroughly after handling. Wash thoroughly with soap and water after handling.

**Protective Clothing (Pictograms)**



**8. Exposure Controls/Personal Protection**

**Engineering Controls**  
Use with adequate general and local exhaust ventilation.

**Eye/Face Protection**  
Faceshield over safety glasses or goggles.

**Skin Protection**  
Lab coat or other work clothing. Launder before reuse. Chemical-resistant gloves.

**Respiratory Protection**  
The level of respiratory protection needed should be based on the required protection factor after evaluating chemical exposures using appropriate industrial hygiene monitoring and/or OSHA guidance.

**Rhenium (III) Chloride****Ru Rh Pd Ag Re Os Ir Pt Au****9. Physical And Chemical Properties****Appearance**

Powder-Dark red

**Chemical Type:** Mixture**Molecular Weight:** 292,57 g/mol**10. Stability And Reactivity****Stability:** Stable under normal conditions**Hazardous Polymerization:** Will not polymerize.**Incompatible Materials**

Strong oxidizing agents

**Hazardous Decomposition Products**

Hazardous decomposition products formed under fire conditions. Hydrogen chloride gas and rhenium oxides.

**11. Toxicological Information**

No Data Available...

**12. Ecological Information**

No Data Available...

**13. Disposal Considerations**

Dispose in accordance with applicable federal, state and local government regulations.

**14. Transport Information****Proper Shipping Name**

Not dangerous good.

**ADR - Europe (Pictograms)****15. Regulatory Information****U.S. Regulatory Information**

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 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.

**16. Other Information****NFPA Rating****Health:** 1**Fire:** 0

# MATERIAL SAFETY DATA SHEET



## Rhenium (III) Chloride

**Ru Rh Pd Ag Re Os Ir Pt Au**

### 16. Other Information - Continued

#### NFPA Rating - Continued

Reactivity: 0

#### HMIS Rating

Health: 01

Fire: 0

Reactivity: 0

Personal Protection: C

#### 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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