

**Potassium Perrhenate**

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

<p><b>NFPA</b></p>	<p><b>HMIS</b></p> <table border="1"> <tr> <td style="background-color: #00B0F0;">HEALTH</td> <td style="text-align: center;">02</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;">2</td> </tr> <tr> <td>PERSONAL PROTECTION</td> <td style="text-align: center;">C</td> </tr> </table>	HEALTH	02	FLAMMABILITY	0	REACTIVITY	2	PERSONAL PROTECTION	C
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FLAMMABILITY	0								
REACTIVITY	2								
PERSONAL PROTECTION	C								

**1. Product And Company Identification**

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

**Issue Date:** 12/02/2010

**Product Name:** Potassium Perrhenate  
**Chemical Name:** Same as Above  
**CAS Number:** 10466-65-6  
**Chemical Family:** Platinum Group Metal  
**Chemical Formula:** KO4Re  
**MSDS Number:** 10003  
**Product Code:** 1000-3

**2. Composition/Information On Ingredients**

Ingredient Name	CAS Number	Percent Of Total Weight
POTASSIUM PERRHENATE	10466-65-6	99

This products contains no hazardous ingredients when evaluated by criteria established in the OSHA Hazard Communication Standard (29 CFR 1910.1200).

**EMERGENCY OVERVIEW**

**This product has OSHA hazards of Oxidizer and Irritant.**

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

Ingestion - possible, but considered unlikely.  
Skin Contact  
Inhalation

**Eye Hazards**

Causes eye irritation.

**Skin Hazards**

Causes skin irritation.

**Ingestion Hazards**

Harmful if swallowed.

**Inhalation Hazards**

Causes respiratory tract irritation.

**4. First Aid Measures****Eye**

In case of contact, hold eyelids apart and immediately flush eyes with plenty of water for at least 15 minutes.

**Skin**

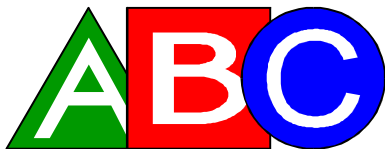
In case of contact, immediately flush skin with plenty of water for at least 15 minutes.

**Ingestion**

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

**Inhalation**

Call a physician or a poison control center immediately. Get medical attention immediately.

**Fire Fighting (Pictograms)****5. Fire Fighting Measures**

**Flash Point:** N/A °F

**Flash Point Method:** N/A

**Flammability Class:** N/A

**Lower Explosive Limit:** N/A

**Upper Explosive Limit:** N/A

**5. Fire Fighting Measures - Continued****Fire And Explosion Hazards**

Contact with other material may cause fire.

**Extinguishing Media**

In case of fire, use water fog, dry chemical, CO<sub>2</sub>, or "alcohol" foam. Water may be ineffective.

**Fire Fighting Instructions**

Firefighters should wear self-contained breathing apparatus and full protective gear.

**6. Accidental Release Measures**

Avoid generating dust.

Sweep up and remove 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 creating dust.

Avoid contact with skin and clothing.

Avoid contact with eyes.

**Storage Precautions**

Store in a dry place.

Store in original vented container.

**Work/Hygienic Practices**

Wash thoroughly with soap and water after handling.

**Protective Clothing (Pictograms)****8. Exposure Controls/Personal Protection****Engineering Controls**

Use with adequate ventilation.

**Eye/Face Protection**

Safety glasses with side shields or goggles.

**Skin Protection**

Chemical-resistant gloves.

**Respiratory Protection**

General room ventilation is normally adequate.

**9. Physical And Chemical Properties****Appearance**

White Powder

**Odor**

None

**Chemical Type:** Mixture**Physical State:** Solid**Melting Point:** 1022 °F 550 °C**Packing Density:** 4.887 g/ml at 25 degree C**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. Potassium oxides and Rhenium Oxides.

**11. Toxicological Information****Acute Studies**

LD 50 Intraperitoneal - mouse - 692 mg/kg

**Eye Effects**

Causes eye irritation.

**Skin Effects**

May be harmful if absorbed through skin. Causes skin irritation.

**Acute Oral Effects**

May be harmful if swallowed.

**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**

Oxidizing Solid, N.O.S. (Potassium Perrhenate)

**Hazard Class**

5.1

**DOT Identification Number**

1479

**Packaging Requirements**

II

**14. Transport Information - Continued****Additional Shipping Paper Description**

IMDG and IATA - See regulations.

**DOT (Pictograms)****TDG - Canada (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.

**Canadian Regulatory Information**

All ingredients of this product comply with the New Substances Notification requirements of the Canadian Environmental Protection Act (CEPA).

**European Union (EU) Regulatory Information**

R23/24/25 - Harmful by inhalation, in contact with skin and if swallowed  
S36/37/39 - Wear suitable protective clothing, gloves, and eye/face protection  
S7/8 - Keep container tightly closed and dry

**WHMIS - Canada (Pictograms)****DSCL - Europe (Pictograms)**



Potassium Perrhenate

Ru Rh Pd Ag Re Os Ir Pt Au

**16. Other Information**

**NFPA Rating**  
 Health: 2  
 Fire: 0  
 Reactivity: 2  
 Other: OX

**HMIS Rating**  
 Health: 02  
 Fire: 0  
 Reactivity: 2  
 Personal Protection: C

**Precautionary Label**  
 Oxidizer and Irritant

**Revision/Preparer Information**  
 MSDS Preparer: Wayne S. Sher

**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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