

MATERIAL SAFETY DATA SHEET



Ammonium Perrhenate

Ru
Rh
Pd
Ag
Re
Os
Ir
Pt
Au

<p>NFPA</p>	<p>HMIS</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="background-color: #00b0f0; color: white;">HEALTH</td> <td style="text-align: center;">2</td> </tr> <tr> <td style="background-color: #ff0000; color: white;">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;">J</td> </tr> </table>	HEALTH	2	FLAMMABILITY	0	REACTIVITY	2	PERSONAL PROTECTION	J
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FLAMMABILITY	0								
REACTIVITY	2								
PERSONAL PROTECTION	J								

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: Wayne Sher Telephone Number: 410-398-7200 FAX Number: 410-398-2918 E-Mail: wsher@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: Wayne Sher Telephone Number: 410-398-7200 FAX Number: 410-398-2918 E-Mail: wsher@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>

Issue Date: 03/16/2009

Product Name: Ammonium Perrhenate
CAS Number: 13598-65-7
Chemical Family: Rhenium Complex
Chemical Formula: NH₄O₄Re
MSDS Number: 10001
Product Code: 1000-1

Synonyms
 none

2. Composition/Information On Ingredients

Ingredient Name	CAS Number	Percent Of Total Weight
Ammonium perrhenate	13598-65-7	98 - 100

EMERGENCY OVERVIEW

Oxidizer. Irritant.

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

Eye: Likely
Inhalation: Likely
Skin: Likely
Ingestion: Likely

Eye Hazards

Causes eye irritation.

Skin Hazards

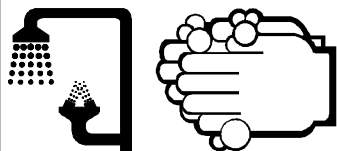
Causes skin irritation. May be harmful if absorbed through the skin.

Ingestion Hazards

May be harmful if swallowed.

Inhalation Hazards

Irritation to respiratory tract. May be harmful if inhaled.

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

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

Skin

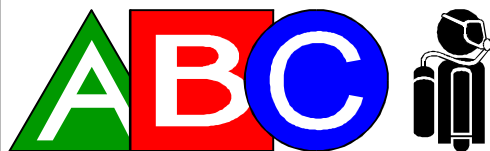
Wash area with soap and plenty of water. If discomfort occurs or persists, contact a physician immediately. Remove contaminate clothing and shoes and wash before reuse.

Ingestion

Give victim water provided they are concious. Never give anything by mouth to an unconcious person. Contact a physician immediately.

Inhalation

Remove to fresh air immediately. If victim is not breathing provide artificial respiration. Contact a physician immediately.

Fire Fighting (Pictograms)

5. Fire Fighting Measures

Flash Point: NA °C
Autoignition Point: NA °C
Flammability Class: NA

Fire And Explosion Hazards

Use proper safety equipment.

Extinguishing Media

Water spray, carbon dioxide, dry chemical or alcohol-resistant foam.

Fire Fighting Instructions

Use NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing. Use water spray to cool unopened containers.

6. Accidental Release Measures

Soak or sweep up and place in a sealed container. Avoid dust formation. Avoid breathing dust. Ensure adequate ventilation. Person protected with full face shield and approved respirator for vapor and dust. Ventilate area and wash spill site after pick up is complete.

Handling & Storage (Pictograms)



7. Handling And Storage

Handling Precautions

Avoid contact with eyes. Avoid formation of dusts and aerosols. Ensure adequate ventilation. Keep away from ignition sources, no smoking. Keep away from combustible material.

Storage Precautions

Store in a tightly sealed container in a cool, dry well-ventilated place.

Work/Hygienic Practices

Use good personal hygiene. Wash thoroughly with soap and water 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)



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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 - Dust (Laboratory fume hood)

Safety shower and eyewash

Eye/Face Protection

ANSI approved safety glasses/goggles, full face shield

Skin Protection

Rubber/Neoprene (use compatible chemical-resistant gloves)

Respiratory Protection

NIOSH approved chemical cartridge respirator for particulates, fume and dust 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**

White solid

Chemical Type: Mixture

Physical State: Solid

Molecular Weight: 268.24

Vapor Density: 3.97 g/ml @ 25C (77F)

10. Stability And Reactivity

Stability: Stable

Hazardous Polymerization: Will not occur

Conditions To Avoid (Stability)**Incompatible Materials**

Strong reducing agents, strong acids.

Hazardous Decomposition Products

Nitrogen oxides (NOx), rhenium oxides

11. Toxicological Information

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



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12. Ecological Information

No Data Available...

13. Disposal Considerations

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

Proper Shipping Name

Oxidizing solid, n.o.s. (Ammonium perrhenate)

Hazard Class

5.1

DOT Identification Number

1479

Packaging Requirements

PG II

Additional Shipping Paper Description

IATA: Same as DOT. Always consult IATA regulations before shipping.

15. Regulatory Information

Canadian Regulatory Information

16. Other Information

NFPA Rating

Health: 2

Fire: 0

Reactivity: 2

Other: OX

HMIS Rating

Health: 2

Fire: 0

Reactivity: 2

Personal Protection: J

Revision/Preparer Information

MSDS Preparer: Joseph J. Fittos III

MSDS Preparer Phone Number: 410-398-7200

This MSDS Supersedes A Previous MSDS Dated: 01/23/2009

Disclaimer

In compliance with the OSHA Hazard Communication Standard, 29 C.F.R 1910.1200, we are providing you with a Materials Safety Data Sheet (MSDS) for the hazardous material you are purchasing.

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Disclaimer - Continued

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

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