


MATERIAL SAFETY DATA SHEET

Rhodium (III) Bromide Hydrate

NFPA 	HMIS <table border="1"><tr><td>HEALTH</td><td style="text-align: center;">1</td></tr><tr><td>FLAMMABILITY</td><td style="text-align: center;">0</td></tr><tr><td>REACTIVITY</td><td style="text-align: center;">1</td></tr><tr><td>PERSONAL PROTECTION</td><td style="text-align: center;">J</td></tr></table>	HEALTH	1	FLAMMABILITY	0	REACTIVITY	1	PERSONAL PROTECTION	J
HEALTH	1								
FLAMMABILITY	0								
REACTIVITY	1								
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: Joseph Fittos III
Telephone Number: 410-398-7200
FAX Number: 410-398-2918
E-Mail: jfittos@colonialmetals.com
Web Site: colonialmetals.com

Manufacturer

Colonial Metals, Inc.
Building 20
505 Blue Ball Road
Elkton, MD 21921 United States

Company Contact: Joseph Fittos III
Telephone Number: 410-398-7200
FAX Number: 410-398-2918
E-Mail: jfittos@colonialmetals.com
Web Site: 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
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Issue Date: 06/01/2007

Product Name: Rhodium (III) Bromide Hydrate
CAS Number: 123333-87-9
Chemical Formula: RhBr₃·xH₂O
MSDS Number: 7024
Product Code: 7024

2. Composition/Information On Ingredients

Ingredient Name	CAS Number	Percent Of Total Weight
Rhodium (III) Bromide Hydrate	123333-87-9	

EMERGENCY OVERVIEW

Irritant

3. Hazards Identification

Primary Routes(s) Of Entry

Inhalation: Likely
Skin: Likely
Ingestion: Likely

Eye Hazards

Irritating to the eyes.

Skin Hazards

Irritating to the skin.

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3. Hazards Identification - Continued

Ingestion Hazards

Not expected to be a problem in industry. May be irritating to the digestive system.

Inhalation Hazards

May cause irritation to respiratory system and mucous membranes.

Conditions Aggravated By Overexposure

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

First Aid (Pictograms)



4. First Aid Measures

Eye

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

Skin

Immediately wash with soap and water and rinse thoroughly. If discomfort occurs or persists, contact a physician. Remove contaminated clothing and shoes and wash before reuse.

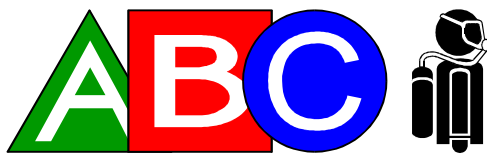
Ingestion

Not expected to be a problem in industry. Contact a physician immediately.

Inhalation

Remove to fresh air immediately. If required provide artificial respiration. Keep victim warm. Contact a physician immediately.

Fire Fighting (Pictograms)



5. Fire Fighting Measures

Flash Point Method: NA

Flammability Class: NA

Fire And Explosion Hazards

Use proper safety equipment. Can emit metal oxide fumes and hydrogen bromide (HBr) under fire conditions

Extinguishing Media

Use water spray, carbon dioxide, dry chemical powder, or appropriate foam

Fire Fighting Instructions

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

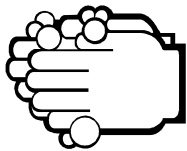
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6. Accidental Release Measures

Sweep up and place in sealed container. Avoid raising dust. Ventilate area and wash spill site after pickup is complete.

Handling & Storage (Pictograms)



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.

Handling Precautions

Keep away from ignition sources.

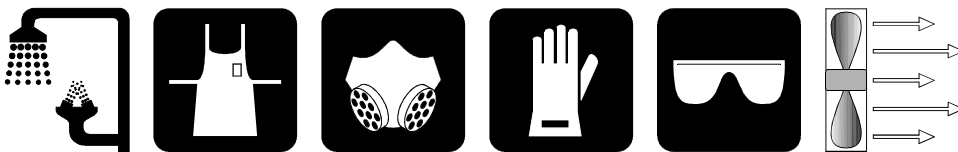
Storage Precautions

Store in a tightly sealed container in a cool, dry place away from oxidizing agents.

Work/Hygienic Practices

Always use good personal hygiene after handling.

Protective Clothing (Pictograms)



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 (Laboratory Fume Hood)

Safety shower and eyebath

Eye/Face Protection

ANSI approved safety glasses/goggles

Skin Protection

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

Respiratory Protection

NIOSH approved chemical cartridge respiratory for particulates 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.

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9. Physical And Chemical Properties

Appearance

Dark red/ black crystalline solid

Chemical Type: Mixture

Physical State: Solid

Melting Point: NA °C

Boiling Point: NA °C

Specific Gravity: NA

Molecular Weight: 342.62

Vapor Pressure: NA

Vapor Density: NA

pH Factor: NA

Solubility: NA

Evaporation Rate: NA

10. Stability And Reactivity

Stability: Stable

Hazardous Polymerization: Will not occur

Conditions To Avoid (Stability)

Decomposition should not occur if stored properly.

Incompatible Materials

Oxidizing agents

Hazardous Decomposition Products

Metal oxide fumes, hydrogen bromide.

Conditions To Avoid (Polymerization)

Will not occur.

11. Toxicological Information

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

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

None

15. Regulatory Information

U.S. Regulatory Information

All components of this compound are listed on the TSCA inventory.

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15. Regulatory Information - Continued

Canadian Regulatory Information

This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.

European Union (EU) Regulatory Information

Hazard Symbols: Xi (Irritant)

R 36/37/38: Irritating to eyes, respiratory system, and skin

S 26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S 37: Wear suitable gloves.

DSCL - Europe (Pictograms)



16. Other Information

NFPA Rating

Health: 1

Fire: 0

Reactivity: 0

HMIS Rating

Health: 1

Fire: 0

Reactivity: 1

Personal Protection: J

Revision/Preparer Information

MSDS Preparer: Joseph J. Fittos III

MSDS Preparer Phone Number: 410-398-7200

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.

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.