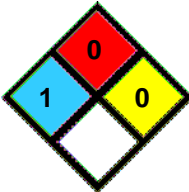


Palladium (II) Bromide

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

NFPA 	HMS <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;">B</td> </tr> </table>	HEALTH	01	FLAMMABILITY	0	REACTIVITY	0	PERSONAL PROTECTION	B
HEALTH	01								
FLAMMABILITY	0								
REACTIVITY	0								
PERSONAL PROTECTION	B								

1. Product And Company Identification

Supplier Colonial Metals, Inc. Building 20 505 Blue Ball Road Elkton, MD 21921 United States Company Contact: Wayne Sher Telephone Number: 410-398-7200 FAX Number: 410-398-2918 E-Mail: wsher@colonialmetals.com Web Site: colonialmetals.com	Manufacturer Colonial Metals, Inc. Building 20 505 Blue Ball Road Elkton, MD 21921 United States Company Contact: Wayne Sher Telephone Number: 410-398-7200 FAX Number: 410-398-2918 E-Mail: wsher@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 World Wide - Call COLLECT to U.S: 703-527-3887

Issue Date: 12/02/2010

Product Name: Palladium (II) Bromide
Chemical Name: Palladium (II) Bromide, Palladous Bromide
CAS Number: 13444-94-5
Chemical Family: Platinum Group Metal Salts
Chemical Formula: PdBr₂
MSDS Number: 5002
Product Code: 5002

2. Composition/Information On Ingredients

Ingredient Name	CAS Number	Percent Of Total Weight
Palladium (II) Bromide Dihydrate	13444-94-5	99

EMERGENCY OVERVIEW

To the best of our knowledge the chemical, physical, and toxicological properties have not been thoroughly investigated. Avoid elevated temperatures and high humidity. Product incompatible with reducing agents. May decompose hydrogen bromide vapors.

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

Inhalation: Likely
Skin: Likely
Ingestion: Likely

Eye Hazards

Irritation

Skin Hazards

Irritation

Ingestion Hazards

Irritation

Does not cause serious toxic manifestations

Inhalation Hazards

Irritation

Conditions Aggravated By Exposure

May cause irritation of the respiratory system. Maintain housekeeping and personal hygiene to minimize exposure and prevent sensitization.

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

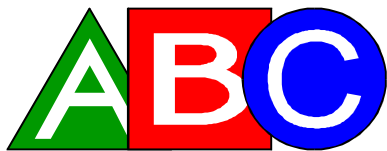
Flush area for 15 minutes with water and wash with soap and water. If discomfort occurs or persists, contact a physician. Remove contaminated clothing and shoes and wash before reuse.

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.

Fire Fighting (Pictograms)**5. Fire Fighting Measures****Flash Point Method:** NA**Flammability Class:** NA**Fire And Explosion Hazards**

Use proper safety equipment. Can decompose to emit toxic hydrogen bromide 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 a sealed container. Person protected with full face shield and proper respirator for acid gas.

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

Avoid contact with eyes.

Avoid contact with skin and clothing.

Avoid creating dust.

Storage Precautions

Store in a cool dry place.

Work/Hygienic Practices

Wash thoroughly with soap and water after handling.

Other Precautions0.01 mg/m² high efficiency particulate respirator/supplied air respirator/self-contained breathing apparatus; 0.2 mg/m² same as above with full face piece; 1 mg/m³ 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.

7. Handling And Storage - Continued

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: NA

Eye/Face Protection

ANSI approved safety glasses/goggles

Skin Protection

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

Respiratory Protection

Chemical cartridge respirator 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

Red-brown crystals/powder

Odor

Slight odor of hydrogen bromide

Chemical Type: Mixture

Physical State: Solid

Melting Point: Decomposes °C

Boiling Point: NA °C

Specific Gravity: 5.2

Molecular Weight: 266.22

Vapor Pressure: NA

Vapor Density: NA

pH Factor: NA

Solubility: Slightly Soluble

Evaporation Rate: NA

10. Stability And Reactivity

Stability: Stable

Hazardous Polymerization: Will not occur

Palladium (II) Bromide

Ru Rh Pd Ag Re Os Ir Pt Au

10. Stability And Reactivity - Continued**Conditions To Avoid (Stability)**

Elevated temperature and high humidity

Incompatible Materials

Mixing with reducing agents

Hazardous Decomposition Products

Hydrogen bromide vapors

11. Toxicological Information

No Data Available...

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**

Non-hazardous

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.

DSCL - Europe (Pictograms)**16. Other Information****NFPA Rating**

Health: 1

Fire: 0

Reactivity: 0

HMIS Rating

Health: 01

Fire: 0

MATERIAL SAFETY DATA SHEET



Palladium (II) Bromide

Ru Rh Pd Ag Re Os Ir Pt Au

16. Other Information - Continued

HMIS Rating - Continued

Reactivity: 0

Personal Protection: B

Revision/Preparer Information

MSDS Preparer: Wayne Sher

MSDS Preparer Phone Number: 410-398-7200

This MSDS Supersedes A Previous MSDS Dated: 03/15/1998

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.

Printed Using MSDS Generator™ 2000