

MATERIAL SAFETY DATA SHEET



Potassium tetrabromoaurate (III) Hydrate

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;">02</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;">0</td> </tr> <tr> <td>PERSONAL PROTECTION</td> <td style="text-align: center;">C</td> </tr> </table>	HEALTH	02	FLAMMABILITY	0	REACTIVITY	0	PERSONAL PROTECTION	C
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FLAMMABILITY	0								
REACTIVITY	0								
PERSONAL PROTECTION	C								

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: 12/30/2010

Product Name: Potassium tetrabromoaurate (III) Hydrate
Chemical Name: Potassium tetrabromoaurate (III) Dihydrate
CAS Number: 14323-32-1
Chemical Family: Halometallate Salt
Chemical Formula: KAuBr₄.2H₂O
MSDS Number: 2003
Product Code: 2003

Synonyms
Potassium gold tetrabromide hydrate

2. Composition/Information On Ingredients

Ingredient Name	CAS Number	Percent Of Total Weight
Potassium tetrabromoaurate (III) Hydrate	14323-32-1	99

EMERGENCY OVERVIEW

Irritating to eyes, skin and respiratory tract.



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Hazards Identification (Pictograms)

3. Hazards Identification

Primary Routes(s) Of Entry
 Eye Contact
 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.

First Aid (Pictograms)

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

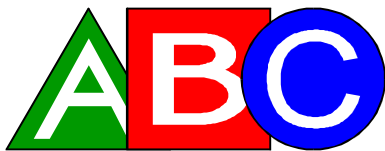
Inhalation
 Remove the victim from the contaminated area while protecting yourself from exposure by wearing an appropriate respirator. Put a similar respirator on the victim if possible. Call a physician or a poison control center immediately. Get medical attention immediately.



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Fire Fighting (Pictograms)



5. Fire Fighting Measures

Flash Point: N/A °C

Flammability Class: N/A

Fire And Explosion Hazards

No unusual fire or explosion hazards.

Extinguishing Media

In case of fire, use water fog, dry chemical, CO₂, 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.

Avoid release to the environment.

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 contact with eyes.

Avoid contact with skin and clothing.

Avoid creating dust.

Storage Precautions

Do not store directly on ground.

Store in a dry place.

Work/Hygienic Practices

Wash thoroughly with soap and water after handling.

Protective Clothing (Pictograms)





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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

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.

9. Physical And Chemical Properties

Appearance

Reddish-brown xtl.

Chemical Type: Mixture

Physical State: Solid

Molecular Weight: 591.71

Solubility: very soluble in water.

10. Stability And Reactivity

Stability: Stable under normal conditions

Hazardous Polymerization: Will not polymerize

Incompatible Materials

Active metals.

Hazardous Decomposition Products

Potassium bromide, gold, bromine, hydrobromic acid and water.

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

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.

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15. Regulatory Information - Continued

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

R36/37/38 - Irritating to eyes, respiratory system and skin

S36/37/39 - Wear suitable protective clothing, gloves, and eye/face protection

S24/25 - Avoid contact with skin and eyes

DSCL - Europe (Pictograms)



16. Other Information

NFPA Rating

Health: 2

Fire: 0

Reactivity: 0

HMIS Rating

Health: 02

Fire: 0

Reactivity: 0

Personal Protection: C

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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