



# MATERIAL SAFETY DATA SHEET

## Potassium Tetrachloroaurate (III)

<b>NFPA</b> 	<b>HMIS</b> <table border="1"><tr><td>HEALTH</td><td>01</td></tr><tr><td>FLAMMABILITY</td><td>0</td></tr><tr><td>REACTIVITY</td><td>0</td></tr><tr><td>PERSONAL PROTECTION</td><td>C</td></tr></table>	HEALTH	01	FLAMMABILITY	0	REACTIVITY	0	PERSONAL PROTECTION	C	 <b>IRRITANT</b>
HEALTH	01									
FLAMMABILITY	0									
REACTIVITY	0									
PERSONAL PROTECTION	C									

### 1. Product And Company Identification

<b>Supplier</b> Colonial Metals, Inc. Building 20 505 Blue Ball Road Elkton, MD 21921 United States  <b>Company Contact:</b> Michael Doss - Dir. of Regulatory Affairs <b>Telephone Number:</b> 410-398-7200 <b>FAX Number:</b> 410-398-2918 <b>E-Mail:</b> mdoss@colonialmetals.com <b>Web Site:</b> www.colonialmetals.com	<b>Manufacturer</b> Colonial Metals, Inc. Building 20 505 Blue Ball Road Elkton, MD 21921 United States  <b>Company Contact:</b> Michael Doss - Dir. of Regulatory Affairs <b>Telephone Number:</b> 410-398-7200 <b>FAX Number:</b> 410-398-2918 <b>E-Mail:</b> mdoss@colonialmetals.com <b>Web Site:</b> www.colonialmetals.com
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**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:** 11/26/2012

**Product Name:** Potassium Tetrachloroaurate (III)  
**CAS Number:** 13682-61-6  
**Chemical Family:** Platinum  
**Chemical Formula:** KAuCl<sub>4</sub>.XH<sub>2</sub>O  
**MSDS Number:** 2009  
**Product Code:** 2009

### 2. Composition/Information On Ingredients

Ingredient Name	CAS Number	Percent Of Total Weight
POTASSIUM TETRACHLOROAUATE (III) HYDRATE	13682-61-6	98

### EMERGENCY OVERVIEW

To the best of our knowledge, this chemical, physical & toxicological properties have not been thoroughly investigated. Avoid elevated temperature. Product incompatible with mineral acids and organic reducing agents. May decompose chlorine vapors.

### 3. Hazards Identification

#### Primary Routes(s) Of Entry

Eye Contact  
Ingestion - possible, but considered unlikely  
Inhalation  
Skin Contact

# MATERIAL SAFETY DATA SHEET

## Potassium Tetrachloroaurate (III)

### 3. Hazards Identification - Continued

#### Eye Hazards

Causes eye irritation.

#### Skin Hazards

Causes skin irritation.

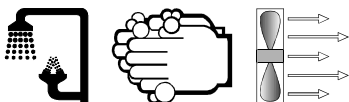
#### Ingestion Hazards

Harmful if swallowed.

#### Inhalation Hazards

Causes respiratory tract irritation.

#### First Aid (Pictograms)



### 4. First Aid Measures

#### Eye

Get medical attention immediately if irritation develops and persists.

#### Skin

Get medical attention immediately if irritation (redness, rash, blistering) develops and persists.

#### 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.

If not breathing, give artificial respiration.

Get medical attention immediately.

#### Fire Fighting (Pictograms)



### 5. Fire Fighting Measures

#### Extinguishing Media

Use CO<sub>2</sub> (Carbon Dioxide), dry chemical, or foam.

#### Fire Fighting Instructions

Eliminate sources of ignition.

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

### 6. Accidental Release Measures

Clean up spill immediately. Prevent release to the environment.

### 7. Handling And Storage

#### Handling And Storage Precautions

Keep containers tightly closed. Use only with adequate ventilation. Wash thoroughly after handling.

# MATERIAL SAFETY DATA SHEET

## Potassium Tetrachloroaurate (III)

### 7. Handling And Storage - Continued

#### **Handling Precautions**

Avoid contact with skin and clothing.

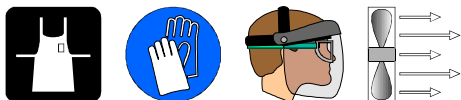
#### **Storage Precautions**

Do not store directly on ground. Store in original vented container.

#### **Work/Hygienic Practices**

Wash thoroughly after handling.

#### **Protective Clothing (Pictograms)**



### 8. Exposure Controls/Personal Protection

#### **Engineering Controls**

Use with adequate general and local exhaust ventilation.

#### **Eye/Face Protection**

Safety glasses with side shields or goggles recommended.

#### **Skin Protection**

Chemical-resistant gloves

#### **Respiratory Protection**

In case of inadequate ventilation, use NIOSH-approved respirator

### 9. Physical And Chemical Properties

#### **Appearance**

Yellow to Orange Crystalline

#### **Odor**

Characteristic odor

**Chemical Type:** Mixture

**Physical State:** Solid

**Melting Point:** 357 °C

**Molecular Weight:** 467.95

Irritant

### 10. Stability And Reactivity

**Stability:** Stable under normal conditions

**Hazardous Polymerization:** Will Not Polymerize

#### **Conditions To Avoid (Stability)**

Stable under normal conditions

### 11. Toxicological Information

No Data Available...

# MATERIAL SAFETY DATA SHEET

## Potassium Tetrachloroaurate (III)

### 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

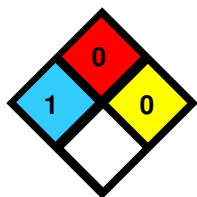
#### U.S. Regulatory Information

All ingredients of this product are 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.

#### NFPA



#### HMIS

HEALTH	01
FLAMMABILITY	0
REACTIVITY	0
PERSONAL PROTECTION	C

### 16. Other Information

#### Precautionary Label

Irritant

#### Revision/Preparer Information

MSDS Preparer: Michael Doss - Dir Reg Affairs

MSDS Preparer Phone Number: 4103987200

#### Reference Documentation

The following were the primary references used in the creation of this MSDS:  
ERG, CAMEO, On Site Chemists, EPA, etc...

#### Disclaimer

CMI 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

# MATERIAL SAFETY DATA SHEET

## Potassium Tetrachloroaurate (III)

### Disclaimer - Continued

customer.

**Colonial Metals, Inc.**

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