


# MATERIAL SAFETY DATA SHEET

## Chlorotris(triphenylphosphine) rhodium (I)

<b>NFPA</b> 	<b>HMIS</b> <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;">0</td></tr><tr><td>PERSONAL PROTECTION</td><td style="text-align: center;">J</td></tr></table>	HEALTH	1	FLAMMABILITY	0	REACTIVITY	0	PERSONAL PROTECTION	J
HEALTH	1								
FLAMMABILITY	0								
REACTIVITY	0								
PERSONAL PROTECTION	J								

### 1. Product And Company Identification

<b>Supplier</b> 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	<b>Manufacturer</b> 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
<b>Supplier Emergency Contacts &amp; Phone Number</b> Chemtrac: 800-424-9300 World Wide - Call COLLECT to U.S: 703-527-3887	<b>Manufacturer Emergency Contacts &amp; Phone Number</b> Chemtrac: 800-424-9300 World Wide - Call COLLECT to U.S: 703-527-3887

**Issue Date:** 04/29/2009

**Product Name:** Chlorotris(triphenylphosphine) rhodium (I)  
**Chemical Name:** Wilkinson's catalyst  
**CAS Number:** 14694-95-2  
**Chemical Family:** Platinum Group Metal Salt  
**Chemical Formula:** ((C6H5)3P)3RhCl  
**MSDS Number:** 7014  
**Product Code:** 7014

### 2. Composition/Information On Ingredients

Ingredient Name	CAS Number	Percent Of Total Weight
Chlorotris(triphenylphosphine) rhodium (I)	14694-95-2	99 - 100

### EMERGENCY OVERVIEW

**Harmful**

### 3. Hazards Identification

**Primary Routes(s) Of Entry**

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

**Eye Hazards**  
Irritation.

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### 3. Hazards Identification - Continued

#### Skin Hazards

Irritation. May be harmful if absorbed through the skin.

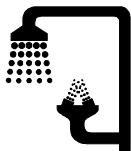
#### Ingestion Hazards

May be harmful if swallowed.

#### Inhalation Hazards

May cause irritation to the respiratory tract and mucous membranes. 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 skin with soap and copious amounts of water. If discomfort occurs or persists contact a physician immediately. Remove contaminated clothing and shoes and wash clothing before reuse and destroy shoes.

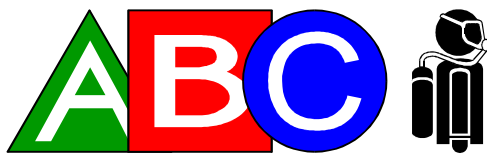
#### Ingestion

Wash out mouth with water provided the victim is conscious. Never give anything by mouth to an unconscious person. Contact a physician immediately.

#### Inhalation

Remove to fresh air immediately. If victim is not breathing provide artificial respiration. If breathing is difficult, give oxygen. 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

Emits toxic fumes under fire conditions.

#### Extinguishing Media

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

#### Fire Fighting Instructions

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

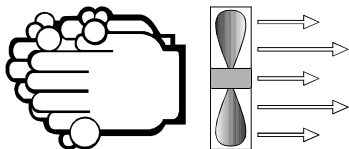
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### 6. Accidental Release Measures

Sweep or soak up and place in sealed container immediately; taking care to avoid dusting. Person protected with proper personal protective equipment. Ventilate area and wash spill site after pick-up is complete.

### Handling & Storage (Pictograms)



### 7. Handling And Storage

#### Handling Precautions

Avoid contact with eyes, prolonged or repeated contact with skin and clothing. Avoid breathing dust. Ensure adequate ventilation.

#### Storage Precautions

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

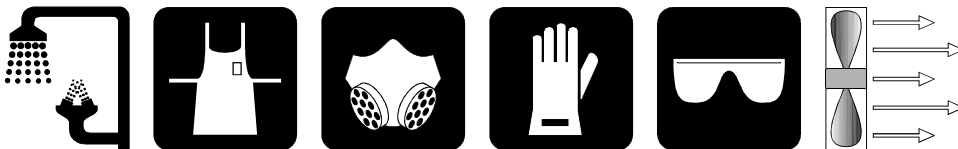
#### Work/Hygienic Practices

Always use good personal hygiene after handling.

#### Other Precautions

0.01 ppm high efficiency particulate 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)



### 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 and dust, if there is a potential for airborne exposure to exceed established threshold value, 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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## Chlorotris(triphenylphosphine) rhodium (I)

### 9. Physical And Chemical Properties

#### Appearance

Dark red crystalline powder

**Chemical Type:** Pure

**Physical State:** Solid

**Melting Point:** 245 °C

**Molecular Weight:** 925.24

**Solubility:** Insoluble

### 10. Stability And Reactivity

**Stability:** Stable

**Hazardous Polymerization:** Will not occur

#### Incompatible Materials

Strong oxidizing agents.

#### Hazardous Decomposition Products

Hydrogen chloride gas, carbon monoxide, carbon dioxide, phosphorus oxides and/or phosphine.

### 11. Toxicological Information

#### Acute Studies

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

Considered non-hazardous for transport

#### Additional Shipping Paper Description

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

### 15. Regulatory Information

#### U.S. Regulatory Information

CAS # 14694-95-2 is listed on the TSCA inventory.

#### Canadian Regulatory Information

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

DSL: No

NDSL: Yes

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### 15. Regulatory Information - Continued

#### European Union (EU) Regulatory Information

S: 22-24/25

Do not breathe dust. Avoid contact with skin and eyes.

### 16. Other Information

#### NFPA Rating

Health: 1

Fire: 0

Reactivity: 0

#### HMIS Rating

Health: 1

Fire: 0

Reactivity: 0

Personal Protection: J

#### Revision/Preparer Information

MSDS Preparer: Joseph J. Fittos III

MSDS Preparer Phone Number: 410-398-7200

This MSDS Supercedes A Previous MSDS Dated: 06/08/2007

### 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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