

**Safety Data Sheet**  
29 CFR 1910.1200

**Section 1: Company and Product Identification**


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**Product Name:** Hydridocarbonyltris-triphenylphosphine Rhodium (I)

**Product Code:** 7046

**Company:** Colonial Metals, Inc.  
Building 20  
505 Blue Ball Road  
Elkton, MD 21921 United States  
Company Contact: EHS Director  
Telephone Number: 410-398-7200  
FAX Number: 410-398-2918  
E-Mail : info@colonialmetals.com  
Web Site: www.colonialmetals.com



www.colonialmetals.com

**Emergency Response:** Supplier Emergency Contacts & Phone Number

Chemtrec: 800-424-9300

World Wide - Call COLLECT to U.S: 703-527-3887

**Section 2: Hazards Identification**


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**Hazard Pictograms:**



**Signal Word:**

Danger

**Hazard Category:**

Serious eye damage/eye irritation Cat 3  
Acute tox, dermal Cat 3  
Acute tox, inh. Cat 3  
Specific target organ tox, single exp. Cat 3 (resp irrit)  
Acute tox, oral Cat 3

**Hazard Statements:**

H320: Causes eye irritation  
H311: Toxic in contact with skin  
H331: Toxic if inhaled  
H335: May cause respiratory irritation  
H301: Toxic if swallowed

**Precautionary Statements:**

P304+341: IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing  
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing  
P301+310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician

**Hazards not otherwise classified:**

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, physical, and toxicological effects of this compound have not been thoroughly investigated.

**Section 3: Composition / Information on Ingredients**


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Hazardous substance (name)	Hazard Category	CAS#	Weight %
Hydridocarbonyltris-triphenylphosphine Rhodium (I)	Acute Toxic	17185-29-6	100
<b>Product Name:</b> Hydridocarbonyltris-triphenylphosphine Rhodium (I) <b>Chemical Name:</b> Hydridocarbonyltris-triphenylphosphine Rhodium (I) <b>Chemical Formula:</b> (CO)((C6H5)3P)3Rh(H)		<b>OSHA Hazards</b> Toxic if swallowed, in contact with skin or if inhaled	

**Section 4: First Aid Measures**

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- General Info:** Cause irritation of the respiratory system. Maintain housekeeping and personal hygiene to minimize exposure and prevent sensitization.
- If ingested:** Never give anything by mouth to an unconscious person. Rinse mouth with water. Contact a physician or a poison control center immediately
- If inhaled:** 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. Get medical attention immediately.
- Eye contact:** Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses if present and easy to do. Get immediate medical attention.
- Skin contact:** Avoid skin contact. In case of contact, wash skin with soap and plenty of water for at least 15 minutes. Consult a Physician or a poison control center immediately

**Section 5: Fire Fighting Measures**

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- General Info:** Avoid breathing vapors, gases and fumes. Firefighters should wear self-contained breathing apparatus and full protective gear. Eliminate sources of ignition.
- Extinguishing Method / Equipment:** For small (incipient) fires, use water or other media such as alcohol-resistant foam, dry chemical, or carbon dioxide. For large fires, apply water from as far as possible. Use very large quantities (flooding) of water applied as a mist or spray; solid streams of water may be ineffective
- Hazardous Decomposition Info:** Hazardous decomposition products formed under fire conditions. Carbon oxides, Oxides of phosphorus, Rhodium/rhodium oxides.

**Section 6: Accidental Release Measures**

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- Personal precautions, protective equipment and procedures:** Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate respiratory protective equipment and clothing during clean-up. Avoid breathing dust. Ventilate area if easy to do so. Contact local authorities if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
- Containment Equipment and Procedures:** Contain actively spilling material if safe and easy to do so. Do not let product enter drains. Sweep or soak up and place in sealed container for reclamation or disposal, taking care to avoid dusting. Ventilate area and wash spill site after pick-up is complete.
- Cleanup Procedures:** Contain spillage and then collect with an electrically protected vacuum cleaner or by wet brushing and place in container for disposal according to local regulations.

**Section 7: Handling and Storage**

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- Safe Handling Precautions:** Do not handle until all safety precautions have been read and understood. Keep containers tightly closed. Ensure adequate ventilation. Avoid breathing dust. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Wear appropriate personal protective equipment and wash thoroughly after handling. Keep away from ignition sources.
- Recommendations for Storage:** Keep container tightly closed in a dry and well-ventilated place. Air & moisture Sensitive: Store under an inert gas.
- Incompatibilities:** Strong acids, Strong oxidizing agents

**Section 8: Exposure Control / Personal Protection**

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- General / Ventilation:** Local Exhaust: Required in handling area
- Engineering Controls:** Mechanical: Desirable to insure concentration of material below TLV/TWA levels  
Other: Closed Ventilation system - Dust (Laboratory Fume Hood)
- Work Clothing:** Use impervious clothing. Handle product with chemical-resistant gloves. Inspect gloves prior to use. Properly disposed of contaminated gloves after use in accordance with applicable laws and good laboratory practice. Wash and dry hands following glove removal
- Eye/face protection:** Wear safety glasses with side shields or goggles or face shield.
- Skin Protection:** Wear chemical resistant gloves.
- Respiratory Protection:** Utilize organic vapor respirator if airborne levels are not maintained or if ventilation is inadequate. Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN(EU).

**Section 9: Physical and Chemical Properties**

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<b>State:</b> Solid Crystalline	<b>Melting Point:</b> Melting point/range: 150 °C (302 °F)	<b>Freezing Point:</b> N/A
<b>Color:</b> Dark Yellow	<b>Boiling Point/Range:</b> N/A	<b>pH:</b> N/A
<b>Molecular Wt.:</b> 258.13	<b>Odor:</b> N/A	<b>Water Solubility:</b> N/A
<b>Specific Gravity:</b> N/A	<b>Flash Point:</b> N/A	<b>Part. Coeff (n-octanol/water):</b> N/A
<b>Upper Flam Limits:</b> N/A	<b>Lower Flam Limits:</b> N/A	<b>Vapor Pressure:</b> N/A
<b>VOC Content (lbs/gal):</b> N/A	<b>Viscosity:</b> N/A	<b>Autoignition Temp:</b> N/A

**Section 10: Stability and Reactivity**

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**General:** This product is stable and non-reactive under normal conditions of use. Product is not subject to hazardous polymerization. Avoid open flame and ignition sources.

**Stability:** Air Sensitive (Store Cold)

**Conditions to Avoid:** Air, and Elevated Temperature

**Incompatible materials:** Strong acids, Strong oxidizing agents

**Decomposition products:** Hazardous decomposition products formed under fire conditions. Carbon oxides, Oxides of phosphorus, Rhodium/rhodium oxides.

**Section 11: Toxicological Information**

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**Toxicological Information (product):** No Data Available

**Toxicological Information (contained substances)**

**Carcinogenicity or mutagenicity:** **IARC: 3** - No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IRAC.

**ACGIH:** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by ACGIH.

**NTP:** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by NTP.

**OSHA:** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by OSHA.

**Sensitization:** Product is not expected to be a sensitizer.

**Section 12: Ecological Information**

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**General information:** No data available

**Section 13: Disposal Information**

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**Product disposal:** Place in a sealed container. 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.

**Container disposal:** Treat empty containers with extra care. Consult waste contractor.

**Section 14: Transport Information**

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**DOT: Proper Shipping Name:** Hydridocarbonyltristriphenylphosphine Rhodium (I)

**UN number:** 2811

**Class:** 6.1

**Packing group:** III

**Proper shipping name:** Toxic solids, organic, n.o.s. Hydridocarbonyltristriphenylphosphine Rhodium (I)

**Reportable Quantity (RQ):**

**Marine pollutant:** No

**IMO/IMDG:** Same as DOT 49 CFR regulations.

**IATA:** Same as DOT 49 CFR regulations. Consult IATA before shipping

**Section 15: Regulatory Information**

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**SARA 302/311/313 SARA 302 Components:**

SARA 302: This material does not contain any chemical components SARA Title III, Section 302 reporting requirements.

**SARA 313 Components:**

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313

**SARA 311/312 Hazards:**

Acute Health Hazard

**Right to Know Massachusetts Right To Know Components**

**Components:** No Components are subject to the Massachusetts Right to Know Act

**Pennsylvania Right To Know Components**

Hydridocarbonyltristriphenylphosphine Rhodium (I), CAS #17185-29-4

**New Jersey Right To Know Components**

Hydridocarbonyltristriphenylphosphine Rhodium (I), CAS #17185-29-4

**California Prop. 65 Components**

This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

**Section 16: Other Information**

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**NFPA Rating**

Health: 2

Fire: 0

Reactivity: 0

**HMIS Rating**

Health: 2

Fire: 0

Reactivity: 0

Personal

Protection: J

**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 believe to be correct; however, you (the customer), should preform 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.

**Version Date:**

7/7/2016