

## Safety Data Sheet

### 29 CFR 1910.1200

#### Section 1: Company and Product Identification

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**Product Name:** Rhodium (II) Trimethylacetate Dimer

**Product Code:** 7052

**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:**

Warning

**Hazard Category:**

Serious eye damage/eye irritation Cat 3  
 Skin corrosion/irritation Cat 2  
 Acute tox, inh. Cat 5  
 Specific target organ tox, single exp. Cat 3 (resp irrit)  
 Acute tox, oral Cat 5

**Hazard Statements:**

H320: Causes eye irritation  
 H315: Causes skin irritation  
 H333: May be harmful if inhaled  
 H335: May cause respiratory irritation  
 H303: May be harmful if swallowed

**Precautionary Statements:**

P261: Avoid breathing dust/fume/gas/mist/vapors/spray  
 P264: Wash thoroughly after handling  
 P308+313: IF exposed or concerned: Get medical advice/attention  
 P271: Use only outdoors or in a well-ventilated area  
 P280: Wear protective gloves/protective clothing/eye protection/face protection  
 P302+352: IF ON SKIN: Wash with soap and water  
 P304+340: IF INHALED: 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.  
 P312: Call a POISON CENTER or doctor/physician if you feel unwell  
 P321: Specific treatment (see First Aid instruction on this label)  
 P332+313: If skin irritation occurs: Get medical advice/attention  
 P337+313: If eye irritation persists get medical advice/attention  
 P362: Take off contaminated clothing and wash before reuse  
 P403+233: Store in a well ventilated place. Keep container tightly closed  
 P405: Store locked up  
 P501: Dispose of contents/container in accordance with local/regional/national/international regulations

**Hazards not otherwise classified:**

None

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

Hazardous substance (name)	Hazard Category	CAS#	Weight %
Rhodium (II) Trimethylacetate Dimer	Irritant	62728-88-5	99 - 100
<b>Product Name:</b> Rhodium (II) Trimethylacetate Dimer <b>Chemical Formula:</b> $[(CH_3)_3CCO_2]_2Rh_2$			

**Section 4: First Aid Measures**

**General Info:** Dust may cause irritation of the respiratory system. Maintain housekeeping and personal hygiene to minimize

**Notable Exposure symptoms:** Irritation to skin, eyes and areas of contact.

**symptoms:**

**If ingested:** Rinse mouth. Seek immediate medical attention. Clear the airway and administer artificial respiration if not breathing.

If swallowed, do not induce vomiting unless directed to do so by medical personnel.

**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:** Flush area for 15 minutes with water and wash with soap and water. If discomfort occurs or persists, get immediate medical attention. Remove contaminated clothing and shoes and wash before reuse.

**Section 5: Fire Fighting Measures**

**General Info:** Use proper safety equipment. Emits toxic fumes under fire conditions.

**Extinguishing Method / Equipment:** Use CO<sub>2</sub> (Carbon Dioxide), dry chemical, or foam

**Method / Equipment:**

**Hazardous Decomposition Info:** Carbon oxides, Rhodium/rhodium oxides, Constituents associated with burning / combustion are to be

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

**Section 6: Accidental Release Measures**

**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 Spills:** Contain actively spilling material if safe and easy to do so. Do not let product enter drains.

**Equipment and Procedures:** 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**

**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:** Store in cool, dry area in a tightly closed product container away from sources of ignition or flame.

Containers which are opened must be carefully resealed and kept upright to prevent leakage.

**Incompatibilities:** Volatile acids.

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

**General / Ventilation:** Local Exhaust: Required in handling area

**Engineering Controls:** Mechanical: Desirable to insure concentration of material below TLV/TWA levels

**Controls:** Other: Closed Ventilation system - Dust (Laboratory Fume Hood)

**Work Clothing:** Protective work clothing which covers skin and prevents exposures.

**Eye/face protection:** Wear safety glasses with side shields or goggles or face shield.

**Skin Protection:** Wear chemical resistant gloves.

**Respiratory** Utilize organic vapor respirator if airborne levels are not maintained or if ventilation is inadequate.

**Protection:** 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 Powder	<b>Melting Point:</b> 291 °C (556 °F)	<b>Freezing Point:</b> N/A
<b>Color:</b> Green	<b>Boiling Point/Range:</b> N/A	<b>pH:</b> N/A
<b>Molecular Wt.</b> 610.31	<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:** Stable

**Conditions to Avoid:** Hygroscopic

**Incompatible materials:** Strong oxidizing agents

**Decomposition products:** Special hazards arising from the substance or mixture  
Carbon oxides, Rhodium/rhodium oxides

## Section 11: Toxicological Information

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**General Information:** To the best of our knowledge the chemical, physical, and toxicological effects of this compound have not been thoroughly investigated.

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

**Likely Routes of Exposure:** Eye Contact  
Skin Contact  
Inhalation  
Ingestion - possible, but considered unlikely.

### Toxicological Information (contained substances)

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

## Section 12: Ecological Information

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**General information:** No data available

**Aquatic toxicity:** No data available

**Degradation / Mobility info:** No specific data available.

**Bioaccumulative potential:** No specific 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  
Not Dangerous Goods  
Hazard Class  
NA  
Secondary Hazard Class  
NA

**IMO/IMDG:** No data available

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

None

**Section 15: Regulatory Information**

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**SARA Components: SARA 302 Components:**

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**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:**

Rhodium, tetrakis(mu-pentanoato)di- CAS-No. 62728-88-5 Revision Date

**New Jersey Right To Know Components:**

Rhodium, tetrakis(mu-pentanoato)di- CAS-No. 62728-88-5 Revision Date

**California Prop. 65 Components :**

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

**Other International** None

**Regulations:**

**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: C

**Precautionary Label:** Can be irritating to eyes and skin

**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.

**SDS Author:** John Kerchner

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