

## Safety Data Sheet

### 29 CFR 1910.1200

#### Section 1: Company and Product Identification

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**Product Name:** Palladium(II) acetate trimer

**Product Code:** 5009

**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  
 Chemtec: 800-424-9300  
 World Wide - Call COLLECT to U.S: 703-527-3887

#### Section 2: Hazards Identification

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GHS07

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**Hazard Pictograms:**



**Signal Word:** Warning

**Hazard Category:** Acute tox, dermal Cat 5  
 Serious eye damage/eye irritation Cat 3  
 Acute tox, oral Cat 5  
 Specific target organ tox, single exp. Cat 3 (resp irrit)

**Hazard Statements:** H313: May be harmful in contact with skin  
 H320: Causes eye irritation  
 H303: May be harmful if swallowed  
 H335: May cause respiratory irritation

**Precautionary Statements:** P202: Do not handle until all safety precautions have been read and understood  
 P210: Keep away from heat/sparks/open flames/hot surfaces – No smoking  
 P264: Wash thoroughly after handling  
 P280: Wear protective gloves/protective clothing/eye protection/face protection  
 P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove  
 P402+404: Store in a dry place. Store in a closed container  
 P501: Dispose of contents/container in accordance with local/national/international rules.

**Hazards not otherwise classified:** To the best of our knowledge the chemical, physical, and toxicological properties have not been thoroughly investigated. Avoid elevated temperatures and high humidity. Product incompatible with reducing agents. May decompose hydrogen bromide vapors

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

Hazardous substance (name)	Hazard Category	CAS#	Weight %
Palladium(II) acetate trimer	Irritant	3375-31-3	99
<b>Product Name:</b> Palladium(II) acetate trimer <b>Chemical Name:</b> Palladeous acetate <b>Chemical Family:</b> Platinum Group Metal Salts <b>Chemical Formula:</b> C <sub>4</sub> H <sub>6</sub> O <sub>4</sub> Pd <b>Synonyms:</b> Palladium diacetate, Bisacetylpladium, Palladous acetate			

**Section 4: First Aid Measures**

**General Info:** Ensure proper ventilation.

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

**symptoms:**

**If ingested:** If swallowed, wash out mouth with water provided victim is conscious. Never give anything by mouth to an unconscious person. Contact a physician 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 medical attention if irritation develops or persists.

**Skin contact:** Take off immediately all contaminated clothing. Rinse with water thoroughly. Get medical advice if irritation develops or persists.

**Additional Info:** Observe for any symptoms for several hours after exposure. Follow up with medical attention if symptoms develop.

**Section 5: Fire Fighting Measures**

**General Info:** Flash Point Method: NA  
 Flammability Class: NA  
 Fire And Explosion Hazards  
 Use proper safety equipment. Can decompose to emit toxic hydrogen bromide gas

**Extinguishing Method / Equipment:** In case of fire, use water fog, dry chemical, CO<sub>2</sub>, or "alcohol" foam.

**Method / Equipment:**

**Hazardous Decomposition Info:** Carbon 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 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:** **Spills:** Contain actively spilling material if safe and easy to do so. Soak up material and dispose

**Cleanup Procedures:** Collect all contaminated media, or other cleanup materials into a waste receptacle. If cleaning surface is necessary, utilize vacuum cleaner, provided adequate ventilation is available.

**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.

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

**Incompatibilities:** Strong oxidizing agents

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

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**General / Engineering Controls:** Use with adequate local and general exhaust ventilation.**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 Protection:** NIOSH approved chemical cartridge respirator for dust/mist/fume/radionuclide and acid gas, or

self-contained breathing apparatus with full face shield.

**Additional Information:** Observe good chemical hygiene practices. Do not smoke or eat while using this product. Wash

hands or exposed skin after using the product.

**Section 9: Physical and Chemical Properties**

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<b>State:</b> Solid powder	<b>Melting Point:</b> 421.3-434.7 °F 216.3-223.7 °C	<b>Freezing Point:</b> N/A
<b>Color:</b> Brown	<b>Boiling Point/Range:</b> N/A	<b>pH:</b> 2.0-3.0
<b>Molecular Wt.</b> 224.49	<b>Odor:</b> Odor of acetic acid	<b>Water Solubility:</b> Slightly Soluble
<b>Evaporation rate:</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>Specific Gravity:</b> 5.2
<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. **Conditions To Avoid (Stability)**

Elevated temperature and high humidity

**Incompatible materials:** Strong oxidizing agents.**Decomposition products:** Carbon oxides.**Section 11: Toxicological Information**

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**General Information:** To the best of our knowledge the chemical, physical, and toxicological properties of this compound have not been thoroughly investigated.**Toxicological Acute Studies****Information (product):** LD50

Oral

Mouse

2100 mg/kg

**Remarks:** Behavioral: Somnolence (general depressed activity).

Lungs, thorax or respiration: Dyspnea.

Gastrointestinal: Ulceration or bleeding from stomach

**Eye Effects**

Rabbit

Severe eye irritation

**Skin Effects**

Rabbit

Mild skin irritation

To the best of our knowledge the chemical, physical and toxicological affects of this compound have not been thoroughly investigated.

**Carcinogenicity or mutagenicity:** To the best of our knowledge the chemical, physical, and toxicological properties of this compound have not been thoroughly investigated.**Sensitization:** Product is not expected to be a sensitizer.

**Section 12: Ecological Information**

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**General information:** Product not tested.

**Aquatic toxicity:** No specific data available. Do not allow large quantities of product to reach water, ground water, water courses or sewer systems.

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

**Bioaccumulative potential:** No specific data available.

**Section 13: Disposal Information**

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**Product disposal:** Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

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

**Other considerations:** NOTE: Chemical additions, processing, or otherwise altering this material may make the waste management information presented above incomplete, inaccurate, or otherwise inappropriate.

**Section 14: Transport Information**

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**DOT:** Non-Hazardous

**IMO/IMDG:** Non-Hazardous

**IATA:** See regulation for information

**OTHER:** Inquire for further transport information.

**Comments:** Non-Hazardous for shipping

**Section 15: Regulatory Information**

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**TSCA:** CAS# 3375-31-3 is listed on the TSCA inventory

**SARA 313** 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 DSL:** CAS# 3375-31-3 is listed on Canada's NDSL List.

WHMIS: Not available.

CAS# 3375-31-3 is not listed on Canada's Ingredient Disclosure List

**European Union (EU) Regulatory Information:** Hazard Symbols: Xi  
Hazard Indication: Irritant

R: 41  
Risk of serious damage to eyes

S: 26-39

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear eye/face protection.

**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, 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 customer.*

*Colonial Metals, Inc.*

**SDS Author:** Dr. Ernest Addo

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