

## Safety Data Sheet

### 29 CFR 1910.1200

#### Section 1: Company and Product Identification

**Product Name:** Palladium (II) Propionate

**Product Code:** 5047

**CAS #:** 3386-65-0

**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

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

Chemtec: 800-424-9300

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



www.colonialmetals.com

#### Section 2: Hazards Identification

GHS07

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**Hazard Pictograms:**



**Signal Word:**

Warning

**Hazard Category:**

Skin corrosion/irritation Cat 2

Serious eye damage/eye irritation Cat 2

Specific target organ tox, single exp. Cat 3 (resp irrit)

Sensitization, resp. Cat 1

Sensitization, skin Cat 1

**Hazard Statements:**

H315: Causes skin irritation

H319: Causes serious eye irritation

H335: May cause respiratory irritation

H317: May cause an allergic skin reaction

**Precautionary Statements:**

P261: Avoid breathing dust/fume/gas/mist/vapours/spray

P271: Use only outdoors or in a well-ventilated area

P264: Wash thoroughly after handling

P280: Wear protective gloves/protective clothing/eye protection/face protection

P312: Call a POISON CENTER or doctor/physician if you feel unwell

P321: Specific treatment (see ... 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

P405: Store locked up

P403+233: Store in a well ventilated place. Keep container tightly closed

P501: Dispose of contents/container in accordance with local/national/international rules.

**Hazards not otherwise classified:**

This product may cause skin, eye, or respiratory tract irritation. May cause skin sensitization. The toxicological properties of this material have not been fully investigated.

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

Hazardous substance (name)	Hazard Category	CAS#	Weight %
Palladium (II) propionate	This product is considered non-hazardous when evaluated by	3386-65-0	

<b>Chemical Name: Palladium (II) Propionate</b> <b>Chemical Family: Metal mixture</b> <b>Chemical Formula: C<sub>6</sub>H<sub>10</sub>O<sub>4</sub>Pd</b> <b>Synonyms: Palladium (II) propionate</b>
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#### Section 4: First Aid Measures

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**General Info:** Ensure proper ventilation. Consult a physician and show them this SDS to the doctor or attendant.

**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 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

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**General Info:** Use proper safety equipment, non-flammable, at high temperature the metal can melt and continuous heating can produce palladium vapor.

**Extinguishing Method /** In case of fire, use water spray, dry chemical, CO<sub>2</sub>, or alcohol-resistant foam.

**Hazardous Constituents associated with burning / combustion** are to be considered toxic. Firefighters should

**Decomposition Info:** wear self-contained breathing apparatus and full protective gear.

#### 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 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:** Sweep or soak up and place in sealed container; Taking care to avoid dusting. Person protected with full face shield and NIOSH approved respirator and cartridge for dust. Ventilate area and wash spill site after pick-up is complete.

**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

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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.

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

**Incompatibilities:** Strong acids, halogens, bases. Palladium undergoes a violent reaction with arsenic, methanol, ethanol, alcohols

#### 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:** Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P1 (EU EN 143) particle 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).

**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> N/A	<b>Freezing Point:</b> N/A
<b>Color:</b> Brown	<b>Boiling Point/Range:</b> 154-156 C	<b>pH:</b> N/A
<b>Molecular Wt.:</b> 252.56g/mol	<b>Odor:</b> N/A	<b>Water Solubility:</b> Insoluble
<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.

**Incompatible materials:** Oxidizing agents, halogens, arsenic, carbon, ozonides, sodium tetrahydroborate, alcohols, and sulfur

**Decomposition products:** Not Known

### 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 Information (product):** IARC/ACGIH/NTP/OSHA have indicated that no component of this product at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen

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

### Section 12: Ecological Information

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**General information:** No data available.

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

### 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:** Not dangerous

**IMO/IMDG:** Not dangerous

**IATA:** Not dangerous

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

**Section 15: Regulatory Information**

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**TSCA:** 3386-65-0 is TSCA listed.

**SARA Hazard** Acute Health Hazard

**Classes:**

**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# 3386-65-0 is listed on Canada's DSL/NDSL List.  
 CAS# 3386-65-0 does not have a WHMIS classification.  
 CAS# 3386-65-0 is not listed on Canada's Ingredient Disclosure List.

**European Union (EU) Hazard Symbols:**

**Regulatory** Not available.

**Information:** **Risk Phrases:**

R 43 May cause sensitization by skin contact.

**Safety Phrases:**

S 24/25 Avoid contact with skin and eyes.

S 33 Take precautionary measures against static discharges.

**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**

Avoid contact with eyes, skin, and clothing. Use good personal hygiene after handling. Avoid breathing dust and vapors. Keep container closed. Use only with adequate ventilation

***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:** 11/30/2016