

Safety Data Sheet

29 CFR 1910.1200

Section 1: Company and Product Identification

Product Name: Palladium (II) Sulfate Anhydrous

Product Code: 5065

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

GH507

BLANK

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Hazard Pictograms:



Signal Word:

Warning

Hazard Category:

Skin corrosion/irritation Cat 2
 Serious eye damage/eye irritation Cat 3
 Aspiration hazard Cat 2
 Acute tox, oral Cat 5

Hazard Statements:

H315: Causes skin irritation
 H320: Causes eye irritation
 H305: May be harmful if swallowed and enters airways
 H303: May be harmful if swallowed

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 contact lenses if present and easy to do – continue rinsing
 P402+404: Store in a dry place. Store in a closed container
 P301+312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell

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 properties have not been thoroughly investigated.

Section 3: Composition / Information on Ingredients

Hazardous substance (name)	Hazard Category	CAS#	Weight %
Palladium (II) Sulfate	Irritant, Corrosive	7440-05-3	99.9
Product Name: Palladium (II) Sulfate Anhydrous		13566-03-5	
Chemical Family: Platinum Group Metal			
Synonyms: Palladium (II) Sulfate, Palladous Sulfate			
Chemical Formula: PdSO ₄			
Chemical Name: Palladium (II) Sulfate/Palladous Sulfate			

Section 4: First Aid Measures

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

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

If ingested: Not expected to be a problem in industry. However if swallowed and discomfort occurs, contact a physician

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.

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.

Skin contact: Take off immediately all contaminated clothing. Rinse with water thoroughly. Get medical advice immediately.

Additional Info: Observe for any symptoms for several hours after exposure. Follow up with medical attention if symptoms develop. Note To Physician, Treat symptomatic symptoms

Section 5: Fire Fighting Measures

General Info: Flash Point: N/A

Lower Explosive Limit: N/A

Upper Explosive Limit: N/A

Extinguishing Method / Equipment: Use water spray, foam, dry chemical, carbon dioxide or medium for primary source.

Method / Equipment:

Hazardous Decomposition Info: Use proper safety equipment. Use NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing. Can decompose to emit toxic sulfur dioxide gas.

Decomposition Info: protective clothing. Can decompose to emit toxic sulfur dioxide gas.

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/vapor. 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: Large Spills: Contain actively spilling material if safe and easy to do so, avoid generating dust. Have emergency response team respond. Soak up and place in sealed container for reclamation or disposal.

Procedures: Use proper exposure controls and personal protection equipment (See Personal Protection).

Small Spills: Soak up and place in sealed container for reclamation or disposal. Use proper exposure controls and personal protection equipment (See Personal Protection).

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/vapor. 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, plastic or plastic liner, in a cool, well ventilated, dry area away from volatile acids.

Incompatibilities: Mixing with reducing agents, humidity and hot water

Other Precautions: 0.01 ppm high efficiency particular 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.

Section 8: Exposure Control / Personal Protection

General / Ventilation: Local Exhaust: Required in handling area
Engineering Mechanical: Desirable to insure concentration of material below TLV/TWA levels
Controls: Other: Closed Ventilation system with corrosive-resistant materials
 Safety shower and eyewash

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 P3 (EN 143) 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: Lab coat/apron, flame and chemical resistant protective clothing, eye wash, safety shower, and hygiene facilities for washing

Section 9: Physical and Chemical Properties

State: Solid	Melting Point: N/A	Freezing Point: N/A
Color: Red brown deliquescent crystal	Boiling Point/Range: N/A	pH: N/A
Molecular Wt. 202.48	Odor: Odorless	Water Solubility: Miscible
Evaporation rate: N/A	Flash Point: N/A	Part. Coeff (n-octanol/water): N/A
Upper Flam Limits: N/A	Lower Flam Limits: N/A	Vapor Density: N/A
Vapor Pressure: N/A	Specific Gravity: 1.4	Autoignition Temp: N/A

Section 10: Stability and Reactivity

General: To the best of our knowledge the chemical, physical, and toxicological properties have not been thoroughly investigated. Avoid elevated temperatures.
Stability: Stable

Hazardous Polymerization: Will not occur

Conditions To Avoid (Stability): Elevated temperatures

Incompatible materials: Mixing with reducing agents, humidity and hot water

Decomposition products: Sulfur dioxide & sulfur trioxide vapors

Section 11: Toxicological Information

General Information: No Data Available

Toxicological Information (product): No Data Available

Other Notes: None

Section 12: Ecological Information

General information: No Data Available**Aquatic toxicity:** No Data Available**Degradation / Mobility info:** No Data Available**Bioaccumulative potential:** No specific data available.**Section 13: Disposal Information**

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.
Consult Federal EPA, State and local regulations for proper disposal/recycle/reclamation**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**

DOT: Proper Shipping Name:

Non-Hazardous

IMO/IMDG: Inquire for further transport information.**IATA:** Consult IATA regulation before shipping.**OTHER:** Inquire for further transport information.**Comments:** None**Section 15: Regulatory Information**

TSCA: All ingredients of this product are listed or are excluded from listing under the U.S. Toxic Substances Control Act**SARA Hazard** This product does not contain any ingredients regulated under Section 313 of the Emergency**Classes:** Planning and**SARA 313** This product does not require reporting under SARA Title 313.**Canadian DSL:** This information and product has been classified in accordance with the hazard criteria of CPR, and the MSDS contains all the information required by the CPR.

DSL: No

NDSL: No

**European Union
(EU) Regulatory
Information:****R36/37/38** - Irritating to eyes, respiratory system and skin**S24/25** - Avoid contact with skin and eyes**Safety Statements:** Do not breathe dust. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing, gloves, and eye/face protection. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).**Section 16: Other Information**

NFPA Rating

Health: 2

Fire: 0

Reactivity: 0

HMIS Rating

Health: 2

Fire: 0

Reactivity: 0

Personal

Protection: C

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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