

**Safety Data Sheet**  
29 CFR 1910.1200

**Section 1: Company and Product Identification**

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**Product Name:** Sphos Palladacycle Gen. 2 Catalyst

**Product Code:** 5131

**CAS #:** 1375325-64-6

**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:** For Hazardous Materials [or Dangerous Goods] Incident  
Spill, Leak, Fire, Exposure, or Accident  
Call CHEMTREC  
+1 703-741-5970 / 1-800-424-9300 CCN 5252

**Section 2: Hazards Identification**

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**Hazard Pictograms:**

**Signal Word:** Not Applicable

**Hazard Category:** Non-classified  
Non-classified  
Non-classified  
Non-classified  
Non-classified

**Hazard Statements:** Not Applicable  
Not Applicable  
Not Applicable  
Not Applicable  
Not Applicable

**Precautionary Statements:** Not Applicable

**Hazards not otherwise classified:** Not applicable, none known. The toxicological properties of this material have not been fully investigated.

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

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Hazardous substance (name)	Hazard Category	CAS#	Weight %
Sphos Pd G2	This product is considered non-hazardous when evaluated by	1375325-64-6	720.62 g/mol

Synonyms: 2nd Generation Sphos Precatalyst  
 Formula: C<sub>38</sub>H<sub>45</sub>ClNO<sub>2</sub>PPd

criteria established in the  
 OSHA Hazard  
 Communication Standard (29  
 CFR 1910.1200).

#### Section 4: First Aid Measures

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**General Info:** Ensure proper ventilation.

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

**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: 5. Fire Fighting Measures

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**General Info:** Product is not flammable

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

**Method / Equipment:**

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

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

Hazardous decomposition products formed under fire conditions - Carbon oxides, nitrogen oxides (Nox), Oxides of phosphorous, Hydrogen Chloride Gas

#### Section 6: 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:** **Large Spills:** Contain actively spilling material if safe and easy to do so, avoid generating dust. Collect material and dispose. Do not let product enter drains.

**Small Spills:** Sweep and collect to waste receptacles. Do not let product enter drains.

**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. Store under nitrogen

**Incompatibilities:** Store away from strong acids or oxidizing agents. Refer to Section 10.

## Section 8: Exposure Control / Personal Protection

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**General / Engineering Controls:** Use with adequate local and general exhaust ventilation. Contains no substances with occupational exposure limit values.

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

**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	<b>Melting Point:</b> 218 °C (424 °F)	<b>Freezing Point:</b> N/A
<b>Color:</b> White Powder	<b>Boiling Point/Range:</b> N/A	<b>pH:</b> N/A
<b>Molecular Wt.</b> 720.62 g/mol	<b>Odor:</b> None	<b>Water Solubility:</b> N/A
<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>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:** Strong oxidizing agents

**Decomposition products:** See Section 5

## Section 11: Toxicological Information

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**General Information:** No data available

**Toxicological Information (product):** Product has not been tested. Prolonged inhalation may be harmful to human health. Irritating in case of skin or eye contact. May be harmful if swallowed or in contact with skin.

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

### Toxicological Information (contained substances)

**Carcinogenicity or mutagenicity:** 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: IARC, ACGIH, NTP or OSHA.

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

**Other Notes:** Not applicable.

**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:** Dispose of product in accordance with local, regional, and national regulations. Consult with waste contractor. Offer surplus and non-recyclable solutions to a licensed waste disposal company.

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

**Other considerations:** No further information.

**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:** All ingredients of this product are listed or are excluded from listing under the U.S. Toxic Substances Control Act (TSCA) Chemical Substance 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

**State Regulations: Massachusetts Right to Know Components:** No components are subject to Massachusetts Right to Know Act.

**Pennsylvania Right To Know Components:** Chloro(2-dicycloethylphosphino-2'6'-cimethoxy-1',1'-biphenyl)[2-(2'-amino-1',1'-biphenyl)]palladium (II) CAS-No. 1375325-64-6

**New Jersey Right To Know Components:** Chloro(2-dicycloethylphosphino-2'6'-cimethoxy-1',1'-biphenyl)[2-(2'-amino-1',1'-biphenyl)]palladium (II) CAS-No. 1375325-64-6

**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.

**Canadian DSL:** All ingredients of this product comply with New Substances Notification requirements of the Canadian Environmental Protection Act (CEPA).

**European Union (EU)** R36/37/38 – Irritating to eyes, respiratory system and skin

**Regulatory** S24/25 – Avoid contact with skin and eyes

**Information:**

**Section 16: Other Information**

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**NFPA Rating**

Health: 0  
Fire: 0  
Reactivity: 0

**HMIS Rating**

Health: 0  
Fire: 0  
Reactivity: 0  
Personal  
Protection: C

*Disclaimer: In compliance with the OSHA Hazard communication Standard, 29 C.F.R 1910.1200, we are providing you with a Safety Data Sheet (SDS) 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 representation as to the accuracy of the information in the SDS. 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 SDS to your customer.*

**Colonial Metals, Inc.**

**SDS Author:** Colonial Metals Inc.- An Ames Goldsmith Company

**Version Date:**

6/7/2019