

Safety Data Sheet

29 CFR 1910.1200

Section 1: Company and Product Identification

Product Name: 2-Dicyclohexyl(2',6'-dimethoxybiphenyl)phosphinegold(I) bis(trifluoromethylsulfonyl)imide

Product Code: 2056

CAS #: 1121960-90-4

Company: Colonial Metals, Inc.
 Building 20
 505 Blue Ball Road
 Elkton, MD 21921 United States
 Company Contact: EHS Director
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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

GHS07

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Hazard Pictograms:



Signal Word:

Warning

Hazard Category:

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

Hazard Statements:

H319: Causes serious eye irritation
 H315: Causes skin irritation
 H303: May be harmful if swallowed
 H335: May cause respiratory irritation

P260: Do not breathe dust/fume/gas/mist/vapors/spray
 P264: Wash thoroughly after handling
 P271: Use only outdoors or in a well-ventilated area
 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)
 P362: Take off contaminated clothing and wash before reuse
 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
 P303+361+353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated
 P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove
 P301+330+331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
 P405: Store locked up
 P501: Dispose of contents/container in accordance with local/regional/national/international rules.

To the best of our knowledge, this chemical, physical & toxicological properties have not been thoroughly investigated. Avoid elevated temperature. Product incompatible with mineral acids and organic reducing agents.
 May decompose chlorine vapors.

Hazards not otherwise classified:

Section 3: Composition / Information on Ingredients

Hazardous substance (name)	Hazard Category	CAS#	Weight %
2-Dicyclohexyl(2',6'-dimethoxybiphenyl)phosphinegold(I) bis(trifluoromethylsulfonyl)imide	Irritant	1121960-90-4	98-100
Product Name: 2-Dicyclohexyl(2',6'-dimethoxybiphenyl)phosphinegold(I) bis(trifluoromethylsulfonyl)imide Chemical Formula: C ₂₈ H ₃₅ AuF ₆ NO ₆ PS ₂ Chemical Family: Metal-Phosphine Complex Synonyms:			

Section 4: First Aid Measures

General Info: Ensure proper ventilation. Material is irritating to the tissue of the mucous membranes and upper respiratory tract. May be harmful if inhaled

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: Take off immediately all contaminated clothing. Rinse with water thoroughly. Get immediate medical assistance 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: Use proper safety equipment. If this product is involved in a fire Hydrogen chloride and metal oxide fume can be released.

Extinguishing Method / Equipment: Use CO₂ (Carbon Dioxide), dry chemical, or foam.

Method / Equipment:

Hazardous Decomposition Info: Constituents associated with burning / combustion are to be considered toxic. Firefighters should wear self-contained breathing apparatus and full protective gear.

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

Use NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing.

EMITS TOXIC FUMES UNDER FIRE CONDITIONS.

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 vapor. Ventilate area if easy to do so and wash spill site after clean up is complete. Contact local authorities if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

- Containment Equipment and Procedures:** Small spills can be mixed with vermiculite or sodium carbonate and swept up
- 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 vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Wear appropriate personal protective equipment and wash thoroughly after handling.
- Work/Hygienic Practices:** Always use good personal hygiene after handling
- Recommendations for Storage:** Store cold, in a tightly sealed container under an inert atmosphere of nitrogen or argon

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
Other: Closed ventilation system (Laboratory Fume Hood)
- Work Clothing:** Protective work clothing which covers skin and prevents exposures. Lab coat/apron, flame and chemical resistant protective clothing, eye wash, safety shower, and hygiene facilities for washing.
- 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 acid gas/chlorine (42 CFR part 84) and self-contained breathing apparatus with full face shield.

Section 9: Physical and Chemical Properties

State: Solid Powder	Melting Point: 170 - 187 °C (338 - 369 °F)	Freezing Point: N/A
Color: White to Off White	Boiling Point/Range: N/A	pH: N/A
Molecular Wt. 887.64 g/mol	Odor: None	Water Solubility: Insoluble
Evaporation rate: N/A	Flash Point: N/A	Part. Coeff (n-octanol/water Vapor Pressure): N/A
Upper Flam Limits: N/A	Lower Flam Limits: N/A	

Section 10: Stability and Reactivity

- 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):** Light and moisture (store cold)
- Incompatible materials:** Strong oxidizing agents
- Decomposition products:** Carbon monoxide, phosphorous pentoxide, sulfur and nitrogen oxides, hydrofluoric acid and organic fumes

Section 11: Toxicological Information

General Information: No data available

Section 12: Ecological Information

Aquatic toxicity: No Data Available

Section 13: Disposal Information

Product disposal: 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/IMDG/IATA: Non- Hazardous

Section 15: Regulatory Information

TSCA: Not listed in the TSCA inventory

SARA Section 313 This product does not contain any ingredients regulated under Section 313 of the Emergency

Notification: Planning and Community Right-To-Know Act of 1986 or 40 CFR 372

California Prop. 65 This product does not contain any chemicals known to State of California to cause cancer, birth

Components defects, or any other

Section 16: Other Information

NFPA Rating

Health: 2

Fire: 0

Reactivity: 0

HMS 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 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 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 SDS to your customer.

Colonial Metals, Inc.

SDS Author: Colonial Metals Inc.- An Ames Goldsmith

Version Date:

6/4/2019