



**TALLADIUM, INC.**  
**SAFETY DATA SHEET**  
**27360 W. Muirfield Lane, Valencia • California 91355**  
**(661) 295-0900 • (800) 221-6449**

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**Section 1 - Product and Company Identification**

**Date of SDS:** 11/25/1985

Review Date: 04/22/2016

**Revised:** 04/22/2016

**Product Identification:** Ceramic Post Solder #201

**Product Class/Use:** For brazing dental alloy

**Company Name:** Talladium, Incorporated

**Company Address:** 27360 West Muirfield Lane  
Valencia, California 91355  
United States of America

**General Information Telephone:** (661)-295-0900

**Emergency Telephone:** Not required by regulations.

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**Section 2 - Composition/Information on Ingredients**

SUBSTANCE	C.A.S	% Range by Weight	OSHA PEL (mg/m <sup>3</sup> )	ACGIH TLV (mg/m <sup>3</sup> )
Silver	7440-22-4	20 - 81%	0.01	0.1
Copper	7440-50-8	3 - 45%	0.1	0.2
Zinc	7440-66-6	1 - 35%	5.0	2.0
Tin	7440-31-5	< 1 - 30%	2.0	2.0

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**Section 3 - Hazards Identification, Including Emergency Overview**

Avoid breathing dust or fumes. Use only in well ventilated area.



**Inhalation:** May cause irritation to the nose, throat,  
lungs and mucous membranes.

**Skin:** May cause irritation

**Ingestion:** May cause gastrointestinal irritation.

**Eyes:** May cause irritation.

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**Section 4 - First Aid Measures**

**Inhalation:** If irritation to the respiratory system or difficulty of breathing occurs, remove to fresh air and seek medical attention.

**Eyes:** If contact occurs, flush eyes immediately with water for 15 minutes. If irritation develops, seek medical attention.

**Skin:** If contact occurs, wash thoroughly with soap and water then rinse. If irritation occurs seek medical attention.

**Ingestion:** Seek immediate medical attention.

*Note: None of the components are acutely toxic by ingestion, nor are they absorbed through the skin. Long term chronic exposure may cause argyria.*

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**Section 5 - Fire Fighting Measures**

This product is non-flammable and non-explosive. If in contact with a fire or explosion, it may emit fumes of the constituent metals or their oxides.

**Extinguishing Media:** Dry chemical, do not use water



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## Section 6 - Accidental Release Measures

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### Spill Release Procedures:

Minimize dispersion of any material dust by wet sweeping or vacuuming with HEPA filtration and place in disposal container. Follow relevant local, state, provincial and federal laws and regulations. Avoid contamination of ground water and soil.

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## Section 7 - Handling and Storage

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### Handling and Storage Precautions:

Use with adequate ventilation. Avoid breathing vapors from heated material. Store in dry area away from incompatible materials (*see section 10*).

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## Section 8 - Exposure Controls & Personal Protection

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(*See section 2 for exposure control*)

**Ventilation:** Use adequate exhaust ventilation to maintain exposure levels below applicable limits.

**Respiratory Protection:** Use appropriate NIOSH-approved respiratory protective equipment.

**Eye Protection:** Wear safety glasses with side shields.

**Skin Protection:** Wear protective gloves. Avoid wearing flammable clothing when soldering.

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## Section 9 - Physical & Chemical Properties

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**Boiling Point:** No data

**Melting Point:** 1200° F (649° C)

**Density:** 8.7 to 9.5

**Appearance:** White to light yellow

**Odor:** Odorless

**Solubility in Water:** insoluble

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## Section 10 - Stability & Reactivity Data

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**Stability:** Stable

**Hazardous Polymerization:** Will not occur

**Hazardous Decomposition Products:** Heating to elevated temperatures may liberate metal/metal oxide fumes.

**Risk of Dangerous Reactions:** Silver and copper can form unstable acetylides if it comes in contact with acetylene gas.

**Incompatibility Materials:** Acetylene; ammonia; azides; nitric acid; halogens; ethylene imine; ethylene oxide; chlorine trifluoride; sulfuric acid; peroxides; peroxyformic acid; oxalic acid; tartaric acid; 1-bromo-2propyne; permonosulfuric acid; hydrazine mononitrate; hyrazoic acid; hydrogen sulfide; bromates; chlorates; iodates of alkali and alkali earth metals; hydroxylamine; selenium; tellurium; carbon disulfide; cupric nitrate.

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## Section 11 - Toxicological Information

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**Toxicological Information:** None available

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## Section 12 - Ecological Information

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**Ecological Information:** None available



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## Section 13 - Disposal Considerations

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**Waste Disposal Methods:** Do not dispose waste product into sewers, water or soil. Follow all federal, state, and local regulations.

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## Section 14 - Transport Information

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**U.S. DOT; TDG; IATA; IMO Information:** Not regulated.

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## Section 15 - Regulatory Information

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United States Regulatory Information:

All components of this product are listed on the EPA's TSCA inventory.

SARA Hazard Classes: Acute Health Hazard; Chronic Health Hazard

SARA Section 313 notification

These products contain these components in concentrations > 1% (>0.1% for carcinogens) subject to the requirements of Section 313 of the Emergency Preparedness and Community Right-to-Know Act (EPCRA) of 1986 and of 40CFR, Part 372:

1. Silver (CASRN 7440-22-4)
2. Copper (CASRN 7440-50-8)

Canadian Regulatory Information:

All components of these products are listed on either the Domestic Substances List (DSL) or the Nondomestic Substances List (NDSL).

This product has been classified in accordance with Canada's Hazardous Products Regulations (SOR/DORS/2015-17)

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## Section 16 - Other Information

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**HMIS Ratings:**

Health - 2\* (moderate chronic hazard)

Flammability - 1 (slight hazard)

Physical Hazard - 1 (slight hazard)

**NFPA Ratings:**

Health - 2

Flammability - 1

Reactivity - 1

The information and recommendations above are believed to be accurate and represent the best information currently available to us. The person receiving the above material should make their own determination as to the suitability for their use. Talladium makes no warranty expressed or implied with respect to this information and assumes no liability resulting from its use.