



**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**

**Issue Date:** 07/19/2010

**Review Date:** 02/18/2015

**Product Identification:** Luminesse Disposable Plungers

**Product Synonym:** Dental Plungers

**Product Class/Use:** Plungers for Pressing Ceramic Ingots

**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**

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	C.A.S	OSHA PEL	ACGIH TLV
Silica, Crystalline, Quartz	14808-60-7	0.1 mg/m <sup>3</sup>	0.1 mg/ m <sup>3</sup>
Silica, Crystalline, Cristobalite	14464-46-1	0.05 mg/ m <sup>3</sup>	0.05mg/ m <sup>3</sup>

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

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This product contains nuisance dusts that may cause pre-existing upper respiratory and lung disease conditions to worsen. Dental Laboratory Technicians work with a variety of potentially toxic substances, including various dusts from silica, silicon carbide, ceramics ( such as porcelain ) and metallic alloys. It is recommended to follow good industrial hygiene practice, which includes reducing airborne exposures to the lowest feasible level for all constituents of all dental laboratory substances.

**Inhalation:** Excessive inhalation of dust over a prolonged period can result in lung damage.

**Eyes:** Particulate dust may irritate eyes.

**Ingestion:** This material is not toxic. If accidentally and breathed in during swallowing may do damage to lungs.

**Skin:** May cause irritation similar to dirt or sand irritation.

**Carcinogenicity Information:** NTP anticipates quartz compounds to be human carcinogens. IARC classifies quartz compounds as possible carcinogens to humans.

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**Section 4 - First Aid Measures**

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**Inhalation:** Remove to fresh air. If breathing is difficult, victim should be given oxygen. If unconscious, evaluate need for artificial respiration and obtain immediate medical attention.

**Eyes:** If contact occurs, flush eyes immediately with ample water for 15 – 20 minutes. If irritation develops, seek medical attention.

**Ingestion:** Accidental ingestion of a small amount is not expected to cause significant harm. In severe cases seek medical attention.

**Skin:** Rinse with ample water for 15 – 20 minutes.



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## Section 5 - Fire Fighting Measures

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<b>Extinguishing Media:</b> Not combustible	<b>Auto-ignition Temperature:</b> N/A
<b>OSHA Flammability Classification:</b> None	<b>Explosive Lower Limit(s):</b> N/A
<b>Flash Point/ Method:</b> N/A	<b>Explosive Upper Limit(s):</b> N/A

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## Section 6 - Accidental Release Measures

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**Spill Release Procedures:** Avoid breathing dust that may be created while handling. Provide adequate ventilation. Vacuum spilled material. Collect material and place in disposal container. Follow relevant local, state, provincial and federal laws and regulations. Using a damp cloth, wipe down surfaces. Water will cause material to harden.

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## Section 7 - Handling and Storage

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**Handling and Storage Precautions:** Use with adequate ventilation. Avoid breathing dust. Wear a NIOSH approved respirator if necessary. Store in dry place.

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## Section 8 - Exposure Controls & Personal Protection

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**Ventilation:** If use generates dust, use ventilation to control airborne exposure and keep below PEL.  
**Respiratory Protection:** None, if proper ventilation is used. If needed use a NIOSH-approved respiratory mask.  
**Eye Protection:** Approved safety glasses  
**Skin Protection:** Chemical resistant gloves may be desirable for prolonged skin contact.  
**Other Protective Equipment:** An apron or smock may be worn if needed.

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## Section 9 - Physical & Chemical Properties

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<b>Boiling Point:</b> N/E	<b>Specific Gravity:</b> N/A
<b>Melting Point:</b> N/A	<b>Evaporation Rate:</b> N/E
<b>pH:</b> N/E	<b>Solubility in Water:</b> Insoluble in water
<b>Vapor Pressure:</b> N/A	<b>Appearance:</b> White solid cylinder rod
<b>Vapor Density:</b> N/A	<b>Odor:</b> Odorless

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## Section 10 - Stability & Reactivity Data

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**Stability:** Stable  
**Hazardous Polymerization:** None  
**Conditions to Avoid:** None  
**Incompatibility with Other Materials:** Incompatible with Hydrofluoric acid.  
**Hazardous Decomposition Products:** None known

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## Section 11 - Toxicological Information

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**Chronic/Carcinogenicity:** The international Agency for Research on Cancer (IARC) reports inhaled crystalline Silica is a Group 1 carcinogen to humans. NTP has listed crystalline silica as a carcinogen.

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**Section 12 - Ecological Information**

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**Ecological Information:** Considered chemically inert in the environment. There are no known adverse effects to water.

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**Section 13 - Disposal Considerations**

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**Waste Disposal Methods:** Waste is not hazardous as defined by RCRA ( 40 CFR 261 ). Follow all federal, state, and local regulations. Avoid washing down drains as material can plug drains.

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**Section 14 - Transport Information**

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**U.S. DOT Information:** Not regulated.

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**Section 15 - Regulatory Information**

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**OSHA:** This product does contain hazardous material.

**SARA 313:** Immediate and delayed health

**SARA 311/312:** Reportable Ingredients: None

**WHMIS:** "Controlled Product"

**TSCA:** All ingredients are listed in the TSCA inventory

**California:** Proposition 65: This product contains substances known to the State of California to cause cancer.

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**Section 16 - Other Information**

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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 assume no liability resulting from its use.