



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:** 01/31/2011

**Review Date:** 02/26/2018

**Product Identification:** Easy-Stack Soldering Investment

**Grade Name:** Gypsum Casting Investment

**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> )
Gypsum	10101-41-4	60 - 80%	0.1	0.025
Quartz	14808-60-7	20 - 40%	0.1	0.025

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

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:** Large amounts may cause nuisance conditions-coughing, sneezing and nasal irritation

**Eyes:** Particles may cause mild irritation.

**Skin:** May dry skin over prolonged exposure.

**Ingestion:** Hardens if wetted and may cause obstruction.

**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**

**Inhalation:** Remove to fresh air. If breathing is difficult, obtain immediate medical attention.

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

**Skin:** Wash contaminated area with soap and water.

**Ingestion:** Drink large amounts of water and seek medical attention immediately



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**Section 5 - Fire Fighting Measures**

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<b>Flash Point:</b>	None	<b>Special Fire Fighting Procedures:</b>	None
<b>Extinguishing Media:</b>	Not Combustible	<b>Unusual Fire &amp; Explosion Hazards:</b>	None

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**Section 6 - Accidental Release Measures**

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**Spill Release Procedures:** Sweep or vacuum spilled material, collect material and place in disposal container. May plug drains. Follow relevant Local, State, Provincial and Federal laws and regulations.

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**Section 7 - Handling and Storage**

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**Handling and Storage Precautions:** Use with adequate ventilation. Minimize dust generation and accumulation. Avoid breathing dust. Avoid contact with eyes. Store in dry place

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**Section 8 - Exposure Controls & Personal Protection**

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**Respiratory Protection:** Use adequate ventilation and wear a NIOSH approved respiratory mask.  
**Eye Protection:** Wear NIOSH approved Safety glasses.  
**Skin Protection:** Gloves may be desirable for specific work situations.  
**Other Protective Equipment:** None required during normal use.

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**Section 9 - Physical & Chemical Properties**

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<b>Boiling Point:</b> Not available	<b>Appearance:</b> Powder
<b>Melting Point:</b> 5600°F (3093°C)	<b>Odor:</b> Odorless
<b>Specific Gravity:</b> 2.45	<b>Solubility in Water:</b> 0.2%

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**Section 10 - Stability & Reactivity Data**

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**Stability:** Stable.  
**Incompatibility with Other Materials:** Acids  
**Hazardous Decomposition Products:** Above 2300 °F (1260 °C).  
**Hazardous Polymerization:** Will not occur.

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**Section 11 - Toxicological Information**

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**Toxicological Information:**  
**Route of Entry:** Inhalation.  
**Inhalation:** Inhaling of excessive dust over a prolonged period can result in lung damage.  
**Effects of Acute Exposure:** None Known.

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**Section 12 - Ecological Information**

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**Ecological Information:** Considered chemically inert in the environment.

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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.

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**Section 14 - SDS Transport Information**

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**U.S. DOT Information:** Not regulated. No special transport requirements. Non-Hazardous.

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**Section 15 - Regulatory Information**

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**OSHA:** This product does contain hazardous material as defined in Section 3. Standard 29 CFR 1910.132.

**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 assumes no liability resulting from its use.