



TALLADIUM, INC.
SAFETY DATA SHEET

27360 W. Muirfield Lane, Valencia • California 91355
(661) 295-0900 • (800) 221-6449

Section 1 - Product and Company Identification

Date of SDS: 01/31/2011

Review Date: 06/17/2014

Product Identification: Micro-Fine 1700 Investment

Product Synonym: Dental Investment

Product Class/Use: Cast Dental 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.

Section 2 - Composition/Information on Ingredients

SUBSTANCE	C.A.S	% Range By Weight	OSHA PEL (mg/m ³)	ACGIH TLV (mg/m ³)
Quartz	14808-60-7	60%	0.1	0.1
Feldspar	1332-58-7	35%	0.1	0.1
Binders	Not Established	5%	*	*

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

Eyes: Particulate dust may be dangerous to the eye and surrounding tissue.

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

Section 4 - First Aid Measures

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. If irritation develops, seek medical attention.

Section 5 - Fire Fighting Measures

Extinguishing Media: Not combustible

OSHA Flammability Classification: None

Flash Point/ Method: Not determined

Auto-ignition Temperature: Not determined

Explosive Lower Limit(s): Not determined

Explosive Upper Limit(s): Not determined



TALLADIUM, INC. SAFETY DATA SHEET

Section 6 - Accidental Release Measures

Spill Release Procedures:

Vacuum spilled material, collect material and place in disposal container. Follow relevant Local, State, Provincial and Federal laws and regulations.

Section 7 - Handling and Storage

Handling and Storage Precautions:

Use with adequate ventilation. Minimize dust generation and accumulation. Avoid breathing dust. Store in dry place

Section 8 - Exposure Controls & Personal Protection

Additional Exposure Limit Information:

Particulates not otherwise classified:

	<i>Value</i>	<i>Limit</i>	<i>Ref.</i>
Inhalation particulate	5 mg/m ³	TWA/TLV	OSHA
Respiration particulate	5 mg/m ³	TWA/TLV	OSHA

Particulates not otherwise regulated:

	<i>Value</i>	<i>Limit</i>	<i>Ref.</i>
Total particulate	5 mg/m ³	TWA/PEL	OSHA
Respiration particulate	5 mg/m ³	TWA/PEL	OSHA

Ventilation: If use generates dust, use ventilation to control airborne exposure and keep below PEL.

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

Eye Protection: None required during normal use.

Skin Protection: Gloves may be desirable for specific work situations.

Other Protective Equipment: None required during normal use.

Section 9 - Physical & Chemical Properties

Boiling Point: Not available

Melting Point: 3148 °C

pH: N/A

Vapor Pressure: N/A

Vapor Density: N/A

Specific Gravity: 2.45

Evaporation Rate: N/A

Solubility in Water: 0.2%

Appearance: Powder – pink

Odor: Odorless

Section 10 - Stability & Reactivity Data

Stability: Stable under normal storage conditions.

Hazardous Polymerization: Will not occur under normal conditions.

Conditions to Avoid: None in applicable use.

Incompatibility with Other Materials: No known incompatibility with other materials

Hazardous Decomposition Products: No known hazardous decomposition products.



**TALLADIUM, INC.
SAFETY DATA SHEET**

Section 11 - Toxicological Information

Toxicological Information: None available

Section 12 - Ecological Information

Ecological Information: Considered chemically inert in the environment.

Section 13 - Disposal Considerations

Waste Disposal Methods: Waste is not hazardous as defined by RCRA (40 CFR 261). Follow all federal, state and local regulations.

Section 14 - SDS Transport Information

U.S. DOT Information: Not regulated.

Section 15 - Regulatory Information

Federal Regulatory Information:

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

EPA: This product is not defined as hazardous waste per 40 CRF 261.

Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III

Section 313: This product does not contain components subject to reporting requirements.

State Regulatory Information:

Canada: This product is listed on the DSL.

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

Section 16 - Other Information

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.