



**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: 06/24/2014

Revision Date: 06/24/2014

Product Identification: Universal Investment Liquid

Product Synonym: Investment Mixing Liquid

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	.
Silicon Dioxide	7631-86-9	80%	
Water	7732-18-5	20%	

Section 3 - Hazards Identification, Including Emergency Overview

This product does not have to be labeled due to the calculation procedure of the "General Classification Guideline for Preparations of the European Union" in the latest valid version. 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.

Skin: May cause irritation if left to dry on the skin. Wash hands frequently.

Eyes: May irritation to the eye and surrounding tissue.

Inhalation: May cause irritation to lungs

Ingestion: Will cause internal irritation

Section 4 - First Aid Measures

Skin: Flush skin with water for 15 minutes. Remove contaminated clothing immediately.

Eyes: If contact occurs, flush eyes immediately with ample water. If irritation develops, seek medical attention.

Inhalation: Move to area with fresh air. If breathing problems develop, seek medical attention.

Ingestion: Do not induce vomiting and seek medical attention.

Section 5 - Fire Fighting Measures

Extinguishing Media: Not combustible.

OSHA Flammability Classification: None

Flash Point/ Method: N

Auto-ignition Temperature: None

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Explosive Lower Limit(s): None
Explosive Upper Limit(s): Not determined

Section 6 - Accidental Release Measures

Spill Release Procedures:

Soak up with absorbent 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 spills and flush areas with water. Store tightly closed in areas with temperature above 2° C.

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

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

Eye Protection: Use NIOSH approved safety glasses

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: 100°C

Melting Point: 0 °C

Flash Point: N/A

Auto-Ignition: N/A

pH @ 25°C: 9.2 – 10.5

Vapor Pressure: N/A

Vapor Density: N/A

Specific Gravity: 0.84

Solubility in Water: 100%

Appearance: Liquid

Odor: Odorless

Section 10 - Stability & Reactivity Data



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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.

Section 11 - Toxicological Information

Skin: May cause slight irritation and dryness

Eyes: May cause slight irritation

Inhalation: May cause irritation

Ingestion: Will cause internal irritation

Additional toxicological information: When used and handled according to specifications, the product does not have any harmful effects according to the information provided to Talladium.

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, non-hazardous material.

Air Transport: Cargo aircraft only.

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 CFR 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.

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.