

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: 07/25/2009 Review Date: 08/12/2015

Revision Date: 08/12/2015

Product Identification: Luminesse® ZR Blanks, AT Zirconia Blanks

Product Synonym: Zirconia Blanks
Product Class/Use: Dental Restorations
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	ACGIH TLV	
			(mg/m^3)	(mg/m^3)	
$ZrO_2 + HfO_2$	1314-23-4	94%	5 mg/m^3	5 mg/m^3	
$Y_2 O_3$	1314-36-9	5.15% + 0.20	1 mg/m^3	1 mg/m^3	
Al ₂ O ₃	1344-28-1	0.25% + 0.10	15	10	
HfO2 typically	7440-58-6	< 3.0%	0.5 mg/m^3	0.5 mg/m^3	

Section 3 - Hazards Identification, Including Emergency Overview







Eyes: Airborne dust may irritate eyes.

Inhalation: May irritate respiratory system.

Ingestion: No hazard anticipated from ingestion.

Skin: May cause irritation.

Section 4 - First Aid Measures

Inhalation: Remove to fresh air. If breathing is difficult seek medical attention.

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

Skin: If contact occurs, wash off skin thoroughly with soap and warm water and rinse thoroughly.

Ingestion: Rinse mouth out with water, no hazard anticipated from ingestion.

Section 5 - Fire Fighting Measures

Flash Point: None

Extinguishing Media: Not combustible Special Fire Fighting Procedures: None Unusual Fire & Explosion Hazards: None

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Section 6 - A	Accidental Release Measures
Spill or Leak Procedures: Clean up mechanical	
	ces, dispose in accordance with Local, State and Federal regulations
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Handling: For dental professional use only. Av	oid inhalation of dust or ingesting.
Storage: Store in a dry clean area.	
Section 8 - Exposu	re Controls & Personal Protection
Exposure Limit Information: This product has	not been evaluated as a whole.
Ventilation: Use adequate ventilation.	
Respiratory Protection: Use NIOSH approved	
Eye Protection: Use NIOSH approved safety gla	
Protective Hygiene: Wash hands thoroughly wit	h soap and water after using product.
Section 9 - Ph	nysical & Chemical Properties
Appearance: White disc / block	Sintering Density: 6.06g/cm ³
Physical State: Solid	Density / Specific Gravity: approx. 3g/cm ³
Odor: Odorless	Vicker Hardness: 12.8 GPa
Melting Point: 2680°C	Grain Size: 0.5μm
Boiling Point: approx.5500°C	Radioactivity: 0.1Bq/g
Flexural Strength: 1200 MPa	Solubility: Not soluble in water
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Stability: Stable	Hazardous Decomposition Products: Will not occur
Conditions to Avoid: None Incompatibility: None	Polymerization: Will not occur
Section 11	- Toxicological Information
Inhalation: Can cause irritation to lungs	Eyes: May cause irritation
Skin: May cause slight skin irritation	Ingestion: No toxic reactions known
Section 12	2 - Ecological Information
Ecological Information: No environmental haza	ard
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Waste Disposal Methods: Follow all Federal, State, and Local regulations.

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U.S. DOT Information: Non-hazardous, not regulated.
Section 15 - Regulatory Information
Federal Regulatory Information: N/A
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.

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