



**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:** 01/06/1989 **Review Date:** 08/25/2014  
**Revision Date:** 01/31/2011  
**Product Identification:** Tuff Rock Die Stone  
**Product Synonym:** Dental Die Stone  
**Product Class/Use:** Gypsum  
**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	80 - 95%	15	10
Synthetic Resin	Not Established	5 - 20%	^	^

^ This material is a Non-Hazardous Substance

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

**Eyes:** Particles may cause mild irritation  
**Skin:** May dry skin over prolonged exposure  
**Inhalation:** Large amounts of dust may cause nuisance conditions – coughing, sneezing and nasal irritation  
**Ingestion:** If wetted it will harden and may cause obstruction

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**Section 4 - First Aid Measures**

**Eyes:** Flush eyes with ample water for 15 minutes. If irritation develops, seek medical attention.  
**Skin:** Wash contaminated area with water.  
**Inhalation:** Remove to fresh air. If breathing difficulties occur, seek medical attention.  
**Ingestion:** Seek medical help immediately.

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**Section 5 - Fire Fighting Measures**

**Flash Point:** None  
**Extinguishing Media:** Do not use water as it may cause the product to solidify.  
**Special Fire Fighting Procedures:** None  
**Unusual Fire & Explosion Hazards:** None

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**Section 6 - Accidental Release Measures**

**Spill or Leak Procedures:** Sweep or vacuum up material and place into waste container for disposal. Avoid washing down drains as material can plug them. If some does go down the drain flush a lot of water down the drain for 10 – 15 minutes.  
**Waste Disposal Method:** Dispose in accordance with Local, State and Federal regulations.



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## Section 7 - Handling and Storage

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**Handling:** Maintain a proper ventilation and vacuum system. Do not allow dust to collect on ledges, floors, machinery or equipment. Wash hands after handling.

**Storage:** Keep container closed and store up off the floor in a dry clean area.

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## Section 8 - Exposure Controls & Personal Protection

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**Respiratory Protection:** Use proper ventilation and a NIOSH approved respiratory mask.

**Eye Protection:** Use NIOSH approved safety glasses.

**Skin Protection:** Wear chemical resistant gloves.

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## Section 9 - Physical & Chemical Properties

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**Boiling Point:** N/A

**Appearance:** Powder

**Melting Point:** 2372°F to 2610°F

**Odor:** Odorless

**Density / Specific Gravity:** 2.20 to 2.85

**Solubility in water:** 0.2%

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## Section 10 - Stability & Reactivity Data

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**Stability:** Stable

**Hazardous Decomposition Products:** Above 1300°F - CaO

**Incompatibility:** Acids

**Polymerization:** Will not occur

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## Section 11 - Toxicological Information

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**Inhalation:** Excessive dust over a prolonged period may result in lung damage.

**Chronic Effects:** Not available.

**Toxic Effects:** Not available.

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## Section 12 - Ecological Information

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**Ecotoxicity:** Not available. Generally considered chemically inert in the environment. Not dangerous to water life.

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## Section 13 - Disposal Considerations

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**Waste Disposal Methods:** Waste is not hazardous as defined by RCRA (40CFR 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:** Non hazardous, not regulated.

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## Section 15 - Regulatory Information

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**SARA III information:** For purposes of SARA III reporting, this product contains no ingredients on the Extremely hazardous CERCLA, or section 313 lists.

**SARA Extremely Hazardous Substances 40 CFR 370:** Acute

**CERCLA:** This product is not listed with CERCLA (40 CFR 117, 302)

**OSHA Hazardous Communication Standard (29 CFR 1910.1200):** Contains material considered hazardous.

**ICAO/IATA-DGR:** Not applicable.

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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. Information prepared to meet U.S. OSHA Hazard Communication Standard, 29 CFR 1910.1200. 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.