



TALLADIUM, INC.
SAFETY DATA SHEET
27360 W. Muirfield Lane, Valencia • California 91355
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Section 1 - Product and Company Identification

Date of SDS: 12/01/1993 **Review Date:** 06/03/2016
Revision Date: 08/05/2005
Product Identification: Brazilian Reddish Brown Aluminum Oxide
Product Synonym: Dental Aluminum Oxide
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)
Aluminum oxide <i>(Nuisance Dust – Respirable)</i>	1344-28-1	50 - 100 %	15 mg/m ³	1 mg/m ³
Titanium oxide	13463-67-7	2.5 – 10 %	15 mg/m ³	10 mg/m ³

Section 3 - Hazards Identification, Including Emergency Overview

Eyes: Dust may cause irritation or injury.   
Skin: May cause mild irritation or injury.
Inhalation: Repeated or prolonged inhalation of dust in excess of permissible exposure limits may cause mucous membranes and upper respiratory tract irritation.
Ingestion: May cause gastrointestinal irritation.

Section 4 - First Aid Measures

Eyes: If contact occurs, remove contacts, flush eyes with ample cool water for 15 minutes. If irritation develops, seek medical attention.
Skin: In case of contact, flush skin with ample cool water. Remove contaminated clothing and shoes. Wash clothing before reuse. If irritation develops, seek medical attention.
Inhalation: Remove to fresh air. If breathing difficulties develop, seek medical attention.
Ingestion: If swallowed, rinse out mouth and drink plenty of water. Do not induce vomiting unless directed by medical personnel. Seek medical attention.

Section 5 - Fire Fighting Measures

Flash Point: N/A
Auto-ignition Temperature: N/A
Extinguishing Media: Spray water to cool structures and containers exposed to fire. Use appropriate media for the surrounding fire.
Protective Equipment for Firefighters: Wear NIOSH approved self-contained breathing apparatus and protective clothing.
Unusual Fire & Explosion Hazards: None



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Section 6 - Accidental Release Measures

Spill or Leak Procedures: Caution this material may be slippery when spilled on the floor. Avoid creating dust. Vacuum or sweep all of the spilt material and place in appropriate container.

Waste Disposal Method: Dispose in accordance with Local, State and Federal regulations.

Section 7 - Handling and Storage

Handling: Minimize creating dust and dust accumulation. Avoid breathing dust, contact with eyes, skin and clothing. Provide proper ventilation. Wash thoroughly after handling.

Storage: Keep container tightly closed in a cool dry area. Store away from oxidizing agents and food items.

Section 8 - Exposure Controls & Personal Protection

Respiratory Protection: Use a NIOSH approved dust mask, vacuum system and adequate ventilation.

Eye Protection: Use NIOSH approved safety glasses.

Protective Equipment: Protective clothing and gloves should be worn to prevent skin contact.

Section 9 - Physical & Chemical Properties

Boiling Point: N/A

Melting Point: 3704°F (2040°C)

Solubility: Insoluble

Odor: None

Appearance: Reddish Brown

Physical State: Granulate powder

Section 10 - Stability & Reactivity Data

Stability: Stable

Incompatibility: Avoid contact with strong acids and oxidizing agents.

Hazardous Decomposition Products: Toxic metal oxide smoke.

Section 11 - Toxicological Information

Eyes: Dust may cause irritation.

Skin: None known.

Inhalation: Dust may cause irritation.

Ingestion: May cause damage to organs through prolonged or repeated exposure.

CMR (carcinogenicity, mutagenicity and toxicity for reproduction) effects: Based on IARC classifications and not the CLP classification.

Carc. 2

Section 12 - Ecological Information

Eco-toxicity: No environmental hazards have been reported or known. This material generally is not hazardous in aquatic systems.

Biodegradability: Inorganic product, is not eliminable from water by means of biological cleaning processes.

Bio-accumulative potential: Does not accumulate in organisms.

Results of PBT and vPvB assessment: Not classified as PBT or vPvB.

Other adverse effects: No information available.



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Section 13 - Disposal Considerations

Waste Disposal Methods: Follow all Federal, State, and Local regulations.

Section 14 - Transport Information

Not classified as dangerous for transport, this material is not regulated.

Section 15 - Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture United States

SARA

Section 355: N/A

Section 313: N/A

TSCA: All ingredients are listed

Proposition 65 (California)

Chemicals known to cause cancer: 13463-67-7 Titanium dioxide

Chemicals known to cause reproductive toxicity for females: N/A

Chemicals known to cause reproductive toxicity for males: N/A

Chemicals known to cause developmental toxicity: N/A

Carcinogenic Categories

EPA: N/A

IARC: 13463-67-7 Titanium dioxide

TLV: 1344-28-1 Aluminum oxide; 13463-67-7 Titanium dioxide

NIOSH-Ca: 13463-67-7 Titanium dioxide

Canada

DSL: All ingredients are listed

Canadian Ingredient Disclosure list (limit 0.1%): N/A

Canadian Ingredient Disclosure list (limit 1%): 1344-28-1 Aluminum oxide; 7631-86-9 Silicon dioxide, chemically prepared.

Section 16 - Other Information

HMIS RATING:

Health: 0

Flammability: 0

Reactivity: 0

Hazard: 4-Severe; 3-Serious; 2-Moderate; 1-Slight; 0-Minimum

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.