



**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: 06/01/1995 **Review Date:** 08/14/2014
Revision Date: 06/07/2006
Product Identification: Impression Conditioner
Product Synonym: Potassium Sulfate
Product Class/Use: Impression Conditioner for Dental Impressions
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)
Potassium Sulfate	7778-80-5	91.5 - 99 %	1mg/m ³	1mg/m ³

This item is a Non-Hazardous Material.

Section 3 - Hazards Identification, Including Emergency Overview

No hazards have been reported or known.
Eyes: Dust may cause irritation and impair vision.
Skin: May cause mild irritation.
Inhalation: Dust may cause mucous membranes and upper respiratory tract irritation.
Ingestion: May cause gastrointestinal irritation, nausea, vomiting abnormal cramps, stomach ache and diarrhea.

Section 4 - First Aid Measures

Eyes: If contact occurs, 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, do not induce vomiting unless directed by medical personnel. If the person is conscious have them drink a lot of water. Seek medical attention.

Section 5 - Fire Fighting Measures

Flash Point: N/A
Auto-ignition Temperature: N/A
Upper Flammable Limit: N/A
Lower Flammable Limit: N/A
Extinguishing Media: Water mist, dry chemical, carbon dioxide, or chemical foam.
Protective Equipment for Firefighters: Self contained breathing equipment if necessary.
Hazardous Combustion Products: May release sulfur dioxide and sulfur trioxide when exposed to fire.
Special Fire Fighting Procedures: Wear NIOSH approved self-contained breathing apparatus and protective clothing. Spray water to cool structures and containers exposed to fire.
Unusual Fire & Explosion Hazards: N/A



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Section 6 - Accidental Release Measures

Spill or Leak Procedures: Ventilate the area of the spill wear appropriate personal protective clothing. Sweep up all of the spilt material and place in appropriate container. Clean area with water to remove residue.

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

Section 7 - Handling and Storage

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

Storage: Store in a cool dry clean well ventilated area away from heat, moisture and incompatible substances in a closed container.

Section 8 - Exposure Controls & Personal Protection

Respiratory Protection: Use a NIOSH approved dust mask.

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: 1956°F (1069°C)

Solubility: 11.1 g K₂SO₄/100ml water at 20°C

Odor: None

Appearance: White

Physical State: Powder

Section 10 - Stability & Reactivity Data

Stability: Stable

Incompatibility: Avoid strong oxidizing agents, chlorine, and nitric acid. Vigorous reaction will occur when potassium sulfate is melted with aluminum or magnesium.

Hazardous Decomposition Products: Decomposition products include sulfur dioxide, sulfur trioxide

Polymerization: Will not occur

Section 11 - Toxicological Information

Irritancy: Mild irritant to strong irritant.

Chronic / Acute Effects: Repeated and prolonged exposure target organ damage, low level dust to the eyes can cause irritation, repeated exposure to skin can cause irritation, sensitization, dermatitis, or localized skin damage. Repeated inhalation of dust can cause respiratory irritation, lung damage, and chronic respiratory irritation.

Carcinogenicity: Not listed as carcinogenic (IARC and ACGIH).

Section 12 - Ecological Information

Biodegradability: Hazardous short-term degradation is not likely.

Section 13 - Disposal Considerations

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

Section 14 - SDS Transport Information

U.S. DOT Information: Non hazardous, not regulated.

TDG (Canada): Non hazardous, not regulated.

IMDG: Non hazardous, not regulated.



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Section 15 - Regulatory Information

According to available data, this is not a hazardous material.

Section 16 - Other Information

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.