

MATERIAL SAFETY DATA SHEET

Revised/Reviewed: March 1, 2012

TIN OXIDE (REF 360-17150, 360-17200, 360-17250, & 360-17300)

Used in dentistry and, in combination with water, to make a precious metal polishing paste.

Section 1- Product and Company Information

Manufactured for: Integra York PA, Inc., 589 Davies Drive, York, PA 17402

Information: 717-840-9335, 717-840-9347 (fax)

Chemical Name & Synonyms: Tin (IV) Oxide, Cassiterite

Chemical Formula: SnO₂

In Case of Emergency: 1-800-535-5053

Section 2 – Composition/ Information on Ingredients

Tin Oxide; CAS Number 18282-10-5; 100%; NIOSH PEL (TWA) = 2.0mg/m³ IDLH – 400mg/m³

Section 3 – Hazard(s) Identification

Potential Health Effects:

Eyes – Abrasive material, treat as a foreign object. Mild irritant.

Skin – Abrasive material, can cause irritation.

Inhalation – Possible respiratory irritant. Chronic exposure to Tin Oxide fumes or dust may result in Stannosis, a form of Pneumoconiosis.

Ingestion – Considered non-toxic by ingestion.

Effects of Overexposure:

Acute Overexposure – Coughing, choking and possibly irritating to respiratory tract.

Chronic Overexposure – May result in Stannosis, a form of Pneumoconiosis.

Section 4 - First Aid Measures

Eyes: Flush eyes with running water for at least 15 minutes. If irritation persists seek, medical aid.

Skin: Flush affected area with water. If irritation persists, seek medical aid.

Inhalation: Remove to fresh air. If breathing has stopped, administer artificial respiration, seek medical aid immediately.

Ingestion: Wash mouth out with water. *Do not* induce vomiting, seek medical attention.

Section 5 – Fire Fighting Measures

Material is non flammable.

Extinguishing Media: Use media suitable for surrounding fires, this material is not flammable.

Special fire Fighting Procedures: None known.

Flash Point (Test Method): Not flammable.

Flammable Limits- LEL: Not applicable UEL: Not applicable

Auto Ignition Temperature: Not applicable.

Unusual Fire and Explosion Hazard: None known.

Section 6 – Accidental Release Measures

Steps to be Taken if Material is Released or Spilled: Take precautions to avoid creating and breathing dust. Dampen any spilled material, collect by vacuum or shovel, and place into labeled container for disposal.

Neutralizing Chemicals: None required.

Waste Disposal Method: Not defined as Hazardous under 40 CFR Part 261 of the Resource Conservation and Recovery Act (RCRA).

Section 7 – Handling and Storage

Storage: Store in a cool, dry place. Avoid contact with water.

Section 8 – Exposure Controls/ Personal Protection

Ventilation: Use local exhaust ventilation to avoid inhaling dust.

Specific Personal Protective Equipment: Skin contact should be prevented by protective clothing. In all areas of dust concentration, dust masks should be provided, and in case of fumes, masks with proper canisters or supplied air respirators should be used.

Respiratory: NIOSH/MSHA approved dust/particulate respirator is recommended.

Eyes: Safety glasses as a minimum.

Gloves: As with all chemicals, gloves should be worn to prevent excessive or repeated skin contact.

Other: Long sleeve shirts or coveralls to minimize skin contact.

Section 9 - Physical and Chemical Properties

Appearance and Odor: White or slightly grey powder with no odor.

Specific Gravity (Water=1): 6.95

Vapor Pressure (mm Hg): Negligible

Vapor Density (Air=1): Negligible

Boiling Point: Sublimes 1800 – 1900 °C

Melting Point: 1630 °C

Solubility in Water: Insoluble

Section 10 – Stability and Reactivity

Stability: Stable.

Incompatibility: Chlorine, Turpentine.

Hazardous Decomposition Products: None known.

Conditions Contributing to Hazardous Polymerization: Not applicable.

Section 11 – Toxicological Information

No information available.

Section 12 – Ecological Information

No information available.

Section 13 – Disposal Considerations

RCRA Hazardous Waste: Not defined as hazardous under RCRA.

Waste Disposal: Dispose of in accordance with all applicable federal, state, and local regulations.

Section 14 – Transport Information

DOT Hazard Class: Not regulated under the Department of Transportation.

Section 15 – Regulatory Information

Federal EPA:

SARA Title III:

Not applicable.

TSCA Status:

Tin Oxide is listed on the TSCA Chemical Substance Inventory under CAS NO. 18282-10-5.

Section 16 – Other Information

No other information.

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