

MATERIAL SAFETY DATA SHEET

SECTION I - Product/Company Identification

1.1 Product Trade Name: ZOE B & T[®] POWDER
1.2 Part (Item) Number: 610103, 610101
1.3 Division Name: DENTSPLY Caulk
1.4 Address: 38 West Clarke Avenue
City State Zip: Milford DE 19963-0359
1.5 Emergency Telephone Number: (800) 424-9300 (Chemtrec)
1.6 Telephone Number for Information: (302) 422-4511
1.7 Date Prepared: 9/20/95 **Date Revised:** 11/13/98

SECTION II - Hazardous Ingredients/Identity Information

<u>Hazardous Components</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Zinc oxide	10 mg/mm ³	10 mg/mm ³

SECTION III - Physical/Chemical Characteristics

3.1 Boiling point:	N. A.	3.6 Specific Gravity:	5.7 g/cm ³
3.2 Vapor pressure:	N. A.	3.7 Melting Point:	N. A.
3.3 Vapor density:	N. A.	3.8 Evaporation rate:	N. A.
3.4 Solubility in water:	Not Soluble		
3.5 Appearance and odor:	Whitish powder with faint odor.		

SECTION IV - Fire and Explosion Hazard Data

4.1 Flash point (method used): N. A.
4.2 Flammability (explosive limits): N. A.
LEL: N. A. UEL: N. A.
4.3 Extinguishing media: Water, carbon dioxide, or dry chemical extinguishers.
4.4 Special fire fighting procedures: Avoid extinguishing methods, which may generate dust clouds. Water stream can disperse dust in air producing a fire hazard and possible explosion hazard if exposed to ignition source. Fire fighters should wear full protective clothing including self-contained breathing apparatus.
4.5 Unusual fire and explosion hazards: Polymer dust is combustible. The explosive limits of the polymer particles suspended in air are approximately those of coal dust.

SECTION V - Reactivity Data

5.1 Stability:	Unstable:	Stable: X
5.2 Conditions to avoid (stability):	Excessive heat, greater than 50°C/122°F.	
5.3 Incompatibility (materials to avoid):	N. A.	
5.4 Hazardous decomposition or byproducts:	From the polymer - methylmethacrylate and carbon monoxide.	
5.5 Hazardous polymerization:	May occur:	Will not occur: X
5.6 Conditions to avoid (polymerization):	None.	

SECTION VI - Health Hazard Data

- 6.1 Route(s) of entry: **Inhalation?: Yes Skin?: No Ingestion?: Possible**
- 6.2 Health hazards (acute and chronic): **It is not known to cause significant health problems. It is considered an inert or nuisance dust. Avoid inhalation of dust. Keep dust out of eyes to prevent possible irritation.**
- 6.3 Carcinogenicity: **NTP?: Not listed IARC monographs?: Not listed OSHA Regulated?: No**
All components of this product are in compliance with the inventory listing requirements of the U. S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.
- 6.4 Signs and symptoms of exposure: **Product may irritate the eyes and skin. Eye contact: Redness or irritation. Skin contact: Redness or irritation.**
- 6.5 Medical conditions generally aggravated by exposure: **Open sores or wounds of the skin.**
- 6.6 Emergency first aid procedures: **Inhalation: Remove to fresh air. Eyes: In case of eye contact, flush with flowing water for 15 minutes, including under the eyelids and get medical attention. Skin: Flush with flowing water then wash area with mild soap and water. Ingestion: Rinse mouth with water. Consult a physician if amount was large.**

SECTION VII - Precautions for Safe Handling and Use

- 7.1 Steps to be taken in case material is released or spilled: **As with any nuisance dust, avoid excessive dusting. Sweep up spilled powder to avoid slipping hazard and place in an appropriately marked container. Keep airborne particulates to a minimum when cleaning up spills.**
- 7.2 Waste disposal methods: **Dispose of in accordance with Federal, State and Local regulations.**
- 7.3 Precautions to be taken in handling and storage: **Store in a cool, dry place away from food and beverages. Keep container closed to prevent water absorption and contamination.**
- 7.4 Other precautions: **Observe normal warehouse handling procedures.**

SECTION VIII - Control Measures

- 8.1 Respiratory protection: **None required during normal use of this product. Local ventilation or approved nuisance dust mask, if in large quantities.**
- 8.2 Ventilation: **Local exhaust recommended.**
- 8.3 Protective gloves: **Rubber gloves.**
- 8.4 Eye protection: **Safety glasses.**
- 8.5 Other protective clothing or equipment: **Rubber apron.**
- 8.6 Work/Hygienic practices: **Observe normal care when working with chemicals.**

NFPA HAZARD CLASSIFICATIONS	
Health	1
Flammability	0
Reactivity	0
Specific Hazard	NA

NFPA - National Fire Protection Association
N.A. - Not Applicable
N.E. - Not Established