

SERMATECH INTERNATIONAL INCORPORATED

M A T E R I A L   S A F E T Y   D A T A   S H E E T

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: SermaBond 522 Part 2
Manufacturer's Name: Sermatech International Incorporated
Address: 159 South Limerick Road, Royersford, Pa 19468
Business Telephone #: 610-474-1200
Emergency Telephone #: (USA)800-424-9300 (Chemtrec) (INTERNATIONAL) 1-703-527-3887
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SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

Table with 7 columns: INGREDIENT, CAS #, WT%, ACGIH-TWA, EXPOSURE GUIDELINES OSHA-PEL, EH40, SEC 313. Row 1: Zinc Oxide, 1314-13-2, 100\*, 10mg/M³, 10mg/M³, Yes.

\*Lead and cadmium at a combined concentration of <0.1% are inherent in the manufacture of zinc and are not physically added in the manufacture of zinc oxide.

SECTION 3 - HAZARD IDENTIFICATION

HAZARD OVERVIEW
Finely divided white odorless powder, considered nuisance dust. May be harmful if ingested or inhaled.

Potential Health Effects

- EYE: May cause mechanical irritation
SKIN: As any fine powder zinc oxide may cause irritation.
INGESTION: None expected under normal conditions of use.
INHALATION: Inhalation of high levels of zinc oxide may result in tightness of chest, cough, dizziness, fever, chills, headache, nausea and dry throat.
CHRONIC (CANCER) INFORMATION: Not applicable.
TERATOLOGY (BIRTH DEFECTS) INFORMATION: Not applicable.
REPRODUCTION INFORMATION: Not applicable.

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#### **SECTION 4 - FIRST AID MEASURES**

**EYES:** Flush with water for 15 minutes. Get medical attention.

**SKIN:** Flush skin with water, remove contaminated clothing and wash before reuse. Severe skin contact may require medical attention.

**INHALATION:** Remove victim to fresh air. Obtain medical attention.

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#### **SECTION 5 - FIRE FIGHTING MEASURES**

**FLAMMABLE PROPERTIES:**

FLASH POINT: None

METHOD: Not applicable

**FLAMMABLE LIMITS:**

Lower flammable limit: N/A

Upper flammable limit: N/A

**AUTOIGNITION TEMPERATURE:** No information; zinc oxide does not burn.

**HAZARDOUS DECOMBUSTION PRODUCTS:** Will not burn or support combustion.

**EXTINGUISHING MEDIA:** Water, dry chemical, carbon dioxide.

**FIRE FIGHTING INSTRUCTIONS:** None.

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#### **SECTION 6 - ACCIDENTAL RELEASE MEASURES**

**SMALL SPILL:** Scoop into container or bag. Avoid excessive dusting.

**LARGE SPILL:** N/A

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#### **SECTION 7 - HANDLING AND STORAGE**

**HANDLING:** Store in original containers.

**STORAGE:** Store under ambient temperatures.

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#### **SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION**

**ENGINEERING CONTROLS:** Mix with SermeTel 522 Part 1 in an area with adequate ventilation.

**RESPIRATORY PROTECTION:** Where exposure to dust is possible, wear approved NIOSH dust respirator.

**SKIN PROTECTION:** Protective gloves are recommended to prevent skin irritation in hypersensitive individuals.

**EYE PROTECTION:** Use appropriate eyewear for protection against airborne particulate material.

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**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

Vapor Pressure (MM Hg): N/A  
Vapor Density (Air=1): N/A  
Evaporation Rate (H2O)=1): N/A  
Appearance/Odor: White powder, no odor  
Solubility In Water: Negligible  
Specific Gravity: approx. 5.6  
% Volatile: N/A  
VOC Content: None

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**SECTION 10 - STABILITY AND REACTIVITY**

**CHEMICAL STABILITY:** (CONDITIONS TO AVOID) Stable.

**INCOMPATIBILITY:**(Materials to avoid) None Known

**HAZARDOUS DECOMPOSITION PRODUCTS:** None.

**HAZARDOUS POLYMERIZATION:** Will not occur.

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**SECTION 11 - TOXICOLOGICAL INFORMATION**

**SKIN:** Prolonged skin contact can cause dermatitis.

**INGESTION:** Oral toxicity (MUS) 7950mg/kg.

**INHALATION:** LC<sub>50</sub> (MUS) 2500mg/m<sup>3</sup>

**SUBCHRONIC:** No data.

**CHRONIC/CARCINOGENICITY:** This material is not considered carcinogenic by ACGIH, OSHA, NTP, IARC.

**TERATOLOGY:** No data.

**REPRODUCTION:** No data.

**MUTAGENICITY:** No data.

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**SECTION 12 - ECOLOGICAL INFORMATION**

**ECOTOXICOLOGICAL INFORMATION:** No data.

**CHEMICAL FATE INFORMATION:** No data.

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**SECTION 13 - DISPOSAL CONSIDERATIONS**

If discarded in its purchased form this product would not be hazardous waste by listing or characteristic. It is however the responsibility of the product user to determine whether the material is a hazardous waste under conditions of use.

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**SECTION 14 - TRANSPORT INFORMATION**

**Proper shipping Name:** Not applicable.  
**Hazard Rating (DOT Class):** Not regulated.

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**SECTION 15 - REGULATORY INFORMATION**

**U.S. FEDERAL REGULATIONS:**

**OSHA:** This product is considered hazardous per OSHA Hazard Communication Rule, 29CFR 1910.1200

**TSCA:** Ingredients of this product are on the TSCA Chemical Inventory.

**SECTION 313:** HAZARDOUS INGREDIENTS IDENTIFIED IN THE SEC 313 COLUMN OF SECTION 1 ARE TOXIC CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT OF 1986 AND OF 40CFR372. THIS INFORMATION MUST BE INCLUDED IN ALL MSDS'S THAT ARE COPIED AND DISTRIBUTED FOR THIS MATERIAL.

**INTERNATIONAL REGULATIONS:**

**CANADIAN WHMIS:** Not classified

**CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA):** Ingredients of this product are on the domestic substance list (DSL) and acceptable for use under the provisions of CEPA.

**EC CLASSIFICATION FOR SUPPLY:** Harmful.

**R20:** Harmful by inhalation

**S36:** Wear suitable protective clothing

**CALIFORNIA PROP 65:** This product contains no listed substances which the state of California has found to cause cancer, birth defects or other reproductive effects.

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**SECTION 16 - OTHER INFORMATION**

SermaBond 522 Part 2 is intended to be used with SermaBond 522 Part 1 to produce a high temperature abradable bonding material.

**HMIS RATINGS:**

Health

Flammability

Reactivity

2

0

0

0=Minimal

1=Slight

2=Moderate

3=Serious

4=Severe

This information is furnished without warranty, expressed or implied; except that it is accurate to the best knowledge of Sermatech Intl. Inc. The above data relates only to the product listed.

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