

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

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Prevention Technologies, Inc. 1120 Abbey Ct. Libertyville, IL. 60048  
Emergency Number: Prevention Technologies, Inc 847-367-6964  
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**PTi© Paste - PART A**

**1. PRODUCT NAME:**

Product ID: PTi© Paste - Part A  
Generic Description: Polysulfide Sealant Base  
Product Use: Crack and Joint Sealant  
Appearance and Odor: White Paste; Mercaptan Odor  
Date Prepared: June 11, 2001  
Date Revised: July 8, 2001

**2. HAZARDOUS INGREDIENTS:**

A hazard evaluation of this product has been performed . The components listed below are identified as hazardous chemicals under the criteria of the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Common Name/Chemical Name	CAS Number	Approximate %
Limestone/Calcium Carbonate	1317-65-3	10 - 30
Kaolin/Aluminum Silicate	1332-58-7	5 - 10
Titanium Dioxide	13463-67-7	1 - 5

**3. HEALTH HAZARD DATA:**

Primary Route(s) Of Exposure:            Eye - Yes    Skin - Yes    Inhalation - No

Eye Contact:

Other than mechanical irritation, no adverse effects are expected.

Skin Contact:

Irritation can occur following prolonged or repeated contact.

Inhalation:

Under normal conditions of use, no adverse effects are expected.

Ingestion:

Adverse effects are not expected.

Additional Effects:

Depending on the route, frequency, and duration of exposure, toxicity may effect in the following organs and/or systems:

Eye

Aggravation Of Existing Conditions:

Some of the components in this product may aggravate existing medical conditions.

Individuals with medical conditions involving the following organ(s) and/or system(s) should take appropriate precautions when handling this product:

Skin

Always wear appropriate protective equipment, as recommended by your industrial hygiene or safety personnel, when exposure to this product can occur.

**4. FIRST AID:**

Eye Contact:

Flush eyes with water for at least 15 minutes. If irritation develops, consult a physician.

**Skin Contact:**

Remove contaminated clothing and shoes. Wash affected area with soap and water. If irritation develops, consult a physician. Wash contaminated clothing separately before reuse.

**Inhalation:**

Medical attention is not normally required.

**Ingestion:**

Seek medical attention. Unless advised otherwise, induce vomiting by giving either Syrup of Ipecac followed by 2 glasses of water or by sticking finger down throat. Do not give anything by mouth if the person is drowsy, unconscious, or has no gag reflex. Note to Physician: Treatment should be directed at preventing absorption, administering to the symptoms as they occur, and providing supportive therapy.

**5. FIRE AND EXPLOSION HAZARD DATA:**

Flash Point: > 200 F, 93 C Test Method: Not Applicable  
Explosive Limits: LEL (%) - Not Applicable UEL (%) - Not Applicable  
Autoignition Temperature: Not Applicable

**Extinguishing Media:**

Small fires: Use dry chemical, Carbon Dioxide, Halon, water spray, or foam.  
Large fires: Use water spray, fog, or alcohol foam.

**Special Fire Fighting Procedures:**

Fire fighters and others who may be exposed to the products of combustion should be equipped with NIOSH approved positive pressure self-contained breathing apparatus (SCBA) and full protective clothing.

**Unusual Fire And Explosion Hazards:**

May liberate irritating or toxic vapors during combustion or decomposition.

**6. ENVIRONMENTAL AND DISPOSAL INFORMATION****Response To Spills:**

Shovel or vacuum spilled product and place in closed containers for further handling and disposal. Do not flush to sewer, stream, or other bodies of water.

**Precautions:**

If the airborne concentration exceeds established exposure limits (TLV or PEL), or if high airborne concentrations can occur, evacuate employees and ventilate area.

A supplied air respirator or self-contained breathing apparatus (SCBA) should be used for entry into enclosed spaces, or in areas with inadequate ventilation.

**Disposal Methods:**

If discarded in its original unused form, this product should be managed (stored/treated/disposed/etc.) at an authorized facility, in compliance with all applicable federal, state, and local requirements. Be sure to contact appropriate government environmental agencies if further disposal guidance is required. Of the methods of disposal currently available, it is recommended that an alternative be selected according to the following order of preference, based upon environmental acceptability:

- (1) Recycle or rework if at all feasible,
- (2) Incinerate at an authorized facility, or
- (3) Treat at an acceptable waste treatment facility.

**7. HANDLING AND STORAGE:**

Store in cool, dry, well ventilated area.

**Empty Container Precautions:**

This container can be hazardous when empty, because it can retain product residues. Therefore, do not reuse container for food, clothing, or products for human or animal consumption or where skin contact may occur.

**Supplemental Section 10 Information:**

HMIS Classification - Health: 1; Flammability: 1; Reactivity: 0.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Eye Protection:**

Wear chemical splash goggles or safety glasses with side shields. An eye wash facility should be readily available.

**Skin Protection:**

Wear protective clothing and appropriate impervious gloves. Because a variety of protective gloves exist, always consult glove manufacturer to determine the proper type for specific operation.

**Respiratory Protection:**

Respiratory protection is not usually required.

When established airborne exposure limits are surpassed (see airborne exposure limits in this section), wear NIOSH/MSHA approved equipment. Determine the appropriate type equipment for specific application by consulting the respirator manufacturer. Observe the respirator use limitations specified by NIOSH/MSHA or the manufacturer.

High airborne concentrations may necessitate the use of self-contained breathing apparatus (SCBA) or a supplied air respirator. In addition, respiratory protection programs must be in compliance with 29 CFR 1910.134.

**Ventilation:**

Maintain airborne concentrations below the established exposure limits (see airborne exposure limits in this section) by providing adequate ventilation. General (Dilution) ventilation may be acceptable. However, local exhaust ventilation is recommended when vapors, mists, or dusts can be released.

**Personal Hygiene:**

Wash thoroughly after handling, especially before eating, drinking, smoking, or using restroom facilities. Contaminated clothing and shoes should be thoroughly cleaned and dried before reuse.

**Airborne Exposure Limits:**

Limestone

ACGIH TLV-TWA: 10 mg/m<sup>3</sup> Total Particulate

OSHA Pel: 5(15) mg/m<sup>3</sup> Respirable Fraction(Total Particulate)

Note: Because of this product's physical composition, the release or generation of a dust is not expected to occur under normal conditions of use.

**9. PHYSICAL DATA:**

%Non-Volatiles (By Weight):	100
pH:	Not Applicable
Vapor Density (Air=1):	Not Established
Solubility In Water:	Insoluble
Evaporation Rate:	Not Established

Vapor Pressure (mmHg @ 25 Degrees C): Not Established  
Specific Gravity (Water=1): .7

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Approximate Boiling Point: Not Established

Note: The physical data presented above are typical values and should not be construed as a specification.

**10. REACTIVITY DATA:**

Stable Under Normal Conditions Of Storage And Use: Yes

Materials To Avoid: None known

Hazardous Polymerization: Will not occur

Thermal Decomposition Products:

If heated to high temperatures, this product may emit the following compounds:  
Formaldehyde and/or other Aldehydes.  
Hydrogen Chloride.  
Oxides of Sulfur.  
Smoke, Soot, & Toxic Fumes (e.g. Carbon Dioxide & Carbon Monoxide).

**11. TOXICITY DATA:**

The information in this section, though detailed, can be subject to misinterpretation. Therefore, it is essential the following information be interpreted by individuals trained in its evaluation.

Limestone

Toxic Effects:

Overexposure to calcium carbonate dusts may affect respiratory function. Note: Naturally occurring calcium carbonate can contain, as an impurity, trace amounts of crystalline silica.

Carcinogenicity - Listed By:

ACGIH: No IARC Monographs: No NTP Annual Report: No OSHA: No

Kaolin

Toxic Effects:

The prolonged and continuous inhalation of excessive concentrations of dust can affect the respiratory system and lead to the development of pneumoconiosis (i.e., deposition of particulates in the lungs). Note: Kaolin can contain, as an impurity, trace amounts of crystalline silica.

Carcinogenicity - Listed By:

ACGIH: No IARC Monographs: No NTP Annual Report: No OSHA: No

Titanium Dioxide

Toxic Effects:

Can cause eye irritation. Prolonged inhalation can lead to the development of pneumoconiosis.

Other Toxicity Studies:

A 2-year inhalation study involving rats showed a significant increase in benign and malignant lung tumors at the 250 mg/m<sup>3</sup> respirable dust level. (Lower levels did not show these effects). This level is 50 times greater than the exposure level permitted in an occupational environment. It is therefore expected that these results have no correlation to human exposures.

Carcinogenicity - Listed By:

ACGIH: No IARC Monographs: No NTP Annual Report: No OSHA: No

12. ECOLOGICAL DATA:  
No data are available on this product.

13. TRANSPORTATION INFORMATION:

DOT Shipping Name: Not Regulated  
DOT Label: Not Applicable  
DOT Identification No.: Not Applicable  
HM-181, IATA/ICAO and IMO: Not Regulated

15. REGULATORY INFORMATION:

Toxic Substance Control Act (TSCA)  
The Chemical Components of this product are contained on the section 8(B) chemical substance inventory list (40 CFR 710).

SARA Title III Information

Section 313 - Toxic Chemicals

Pursuant to section 313 of SARA Title III, this product does not contain a toxic chemical in excess of 1 percent of the mixture (0.1 percent, if the listed toxic chemical is a carcinogen).

Section 302 - Extremely Hazardous Substances

Pursuant to section 302 of SARA Title III, this product does not contain an extremely hazardous substance.

Section 311/312 - Hazard Categories

Pursuant to section 311/312 of SARA Title III, the physical and health hazard categories for this product are identified below:

Fire Hazard:	No
Sudden Release Of Pressure Hazard:	No
Reactivity Hazard:	No
Immediate (Acute) Health Hazard:	Yes
Delayed (Chronic) Health Hazard:	No

Hazardous Materials Information Review Regulations - Canada

This material safety data sheet provides information that complies with the requirements set forth under the Canadian Workplace Hazardous Materials Information System (WHMIS).

Claim for exemption Registry No.: Not Applicable

Expiration Date: Not Applicable

16. ADDITIONAL INFORMATION:

A bulletin such as this cannot be expected to cover all possible individual situations. As the user has the responsibility to provide a safe workplace, all aspects of an individual operation should be examined to determine if, or where, precautions - in addition to those described herein - are required. Any health hazard and safety information contained herein should be passed on to your customers or employees, as the case may be

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from the use thereof. Consult Prevention Technologies, Inc. for further information.