

Permatex, A Brand of ITW Devcon  
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## Material Safety Data Sheet

### 1. PRODUCT IDENTIFICATION

**Product Name:** HIGH TEMPERATURE THREAD SEALANT 250 ML  
**Item No:** 59225  
**Product Type:** Anaerobic

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Percent	ACGIH 8 Hr. TWA:	OSHA 8 Hr. TWA:
POLYGLYCOL DIMETHACRYLATE 25852-47-5	20-40	Not Listed	Not Listed
BISPHENOL A FUMARATE RESIN 39382-25-7	25-35	Not Listed	Not Listed
OCTANOL 111-87-5	10-20	Not Listed	Not Listed
SILICA, MICA 12001-26-2	10-20	3 mg/m <sup>3</sup> TWA	20 mppcf
POLYTETRAFLUOROETHYLENE 9002-84-0	1-10	Not Listed	Not Listed
SILICA, AMORPHOUS TREATED MIXTURE	1-10	10 mg/m <sup>3</sup> mist; 3 mg/m <sup>3</sup> resp.	20 mppcf
TITANIUM DIOXIDE 13463-67-7	1-10	10 mg/m <sup>3</sup>	10 mg/m <sup>3</sup> ; 15 mg/m <sup>3</sup> total dust
-DIMETHYLBENZYL HYDROPEROXIDE 80-15-9	0.5-5.0	Not Listed	Not Listed

### 3. HAZARDS IDENTIFICATION

**Toxicity:** Note: This product does not contain microcrystalline silica. Ingestion may irritate digestive tract and cause nausea, vomiting and diarrhea. May cause eye and skin irritation. May cause skin sensitization.  
**Primary Routes of Entry:** Eye and skin contact, ingestion, inhalation.  
**Signs and Symptoms of Exposure:** Repeated skin contact may cause allergic skin reactions. May cause redness to eyes and irritation to nasal passages.

Ingredients	Percent	NTP:	ACGIH Carcinogens	IARC:
TITANIUM DIOXIDE 13463-67-7	1-10	Not listed	Not listed	Group 3; Vol 47, pg 307, 1989

**Medical Conditions Recognized as Being Aggravated by Exposure:** Preexisting skin disorders.

### 4. FIRST AID MEASURES

**Ingestion:** If swallowed, DO NOT induce vomiting. Keep individual calm. Obtain medical attention.  
**Inhalation:** Move to fresh air in case of accidental inhalation of vapors. Obtain medical attention.  
**Skin Contact:** Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. If skin irritation persists, call a physician.  
**Eye Contact:** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

### 5. FIRE FIGHTING MEASURES

**Flash Point (°F/C):** More than 200 degrees F. Method: Tag Closed Cup  
**Recommended Extinguishing Media:** Water fog, carbon dioxide, foam, dry chemical.  
**Special Fire-Fighting Procedures:** Firefighters should wear self-contained breathing apparatus.  
**Hazardous Products Formed by Fire or Thermal Decomposition:** Irritating vapors. Oxides of carbon.  
**Unusual Fire/Explosion Hazards:** None

**Lower Explosive Limit:** 1.0: Octanol  
**Upper Explosive Limit:** 8.0: Octanol

## **6. ACCIDENTAL RELEASE MEASURES**

**Spill Procedures:** Maintain good ventilation. Take up with an inert absorbent. Store in a closed waste container until disposal.

## **7. HANDLING AND STORAGE**

**Storage:** Store below 100 degrees F. Keep in cool and dark place. Avoid direct sunlight.

**Handling:** Avoid prolonged skin contact. Keep away from eyes.

## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Eyes:** Safety glasses.

**Skin:** Rubber or plastic gloves

**Ventilation:** General; local exhaust ventilation as necessary to control any air contaminants to within their exposure limits during the use of this product.

**Respiratory Protection:** An approved respirator (i.e. NIOSH, etc.) should be worn when exposures are expected to exceed the applicable limits..

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance:** White paste

**Odor:** MILD

**Boiling Point (°F):** More than 300 degrees C.

**pH:** Does not apply

**Solubility in Water:** Insoluble

**Specific Gravity:** 1.15

**VOC Content(Wt.%):** 16.9%

**Vapor Pressure:** Not determined

**Vapor Density (Air=1):** Heavier than air

**Evaporation Rate:** Not Determined

## **10. STABILITY AND REACTIVITY**

**Chemical Stability:** Stable at normal conditions

**Hazardous Polymerization:** WILL NOT OCCUR

**Incompatibilities:** Metal salts, heat and amines.

**Conditions to Avoid:** Heat

**Hazardous Products Formed by Fire or Thermal Decomposition:** Irritating vapors. Oxides of carbon.

## **11. TOXICOLOGICAL INFORMATION**

See Section 3

## **12. ECOLOGICAL INFORMATION**

No data available

## **13. DISPOSAL CONSIDERATIONS**

**Recommended Method of Disposal:** Disposal should be made in accordance with federal, state and local regulations.

**US EPA Waste Number:** NH - Not a RCRA Hazardous Waste Material

## **14. TRANSPORTATION INFORMATION**

DOT (49CFR 172)

### **Domestic Ground Transport**

**DOT Shipping Name:** Unrestricted

**Hazard Class:** NONE

**UN/ID Number:** None

**Marine Pollutant:** None

### **IATA**

**Proper Shipping Name:** not regulated

**Class or Division:** None

**Product name:** HIGH TEMPERATURE THREAD  
SEALANT 250 ML

**Item** 59225

**UN/NA Number:** None

**IMDG**

**Proper Shipping:** Unrestricted  
**Hazard Class:** None  
**UN Number:** None

**15. REGULATORY INFORMATION**

**SARA 313 Chemicals:** The following component(s) is listed as a SARA Section 313 Toxic Chemical.

**SARA 313 Information**

DIMETHYLBENZYL HYDROPEROXIDE

**CALIFORNIA PROP 65:**

No California Prop 65 chemicals are known to be present.

**TSCA Inventory Status:**

**Listed on Inventory:** **YES** All components of this product are listed (or exempt) on the EPA TSCA inventory.

**16. OTHER INFORMATION**

**Estimated NFPA Rating:** HEALTH 2, FLAMMABILITY 1, REACTIVITY 1

**Estimated HMIS Classification:** HEALTH 2, FLAMMABILITY 1, PHYSICAL HAZARD 0

NFPA is a registered trademark of the National Fire Protection Assn.

HMIS is a registered trademark of the National Paint and Coatings Assn.

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