

ITW Permatex  
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## Material Safety Data Sheet

### 1. PRODUCT IDENTIFICATION

**Product Name:** HIGH TEMPERATURE THREAD SEALANT 50ML  
**Item No:** 59235  
**Product Type:** Anaerobic

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Component	Weight%	ACGIH; TLV-TWA	OSHA PEL
POLYGLYCOL DIMETHACRYLATE 25852-47-5	20-40	Not listed	Not listed
POLYESTER RESIN MIXTURE	10-30	Not listed	Not listed
SILICA, MICA 12001-26-2	10-30	3 mg/m <sup>3</sup>	20 mppcf
OCTANOL 111-87-5	<10	Not listed	Not listed
POLYETHYLENE GLYCOL ESTER 18268-70-7	<10	Not listed	Not listed
POLYTETRAFLUOROETHYLENE 9002-84-0	<5	Not listed	Not listed
TREATED SILICON DIOXIDE, SYNTHETIC, CRYSTALLINE-FREE 67762-90-7	<5	10 mg/m <sup>3</sup>	Not listed
TITANIUM DIOXIDE 13463-67-7	<3	10 mg/m <sup>3</sup>	15 mg/m <sup>3</sup>
PROPYLENE GLYCOL 57-55-6	<3	Not listed	Not listed
DIMETHYLBENZYL HYDROPEROXIDE 80-15-9	<2	Not listed	Not listed

### 3. HAZARDS IDENTIFICATION

**Toxicity:** Ingestion may irritate digestive tract and cause nausea, vomiting and diarrhea. May cause eye and skin irritation. May cause skin sensitization. Note: This product does not contain microcrystalline silica.  
**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.

Component	Weight%	NTP	ACGIH Carcinogens	IARC Carcinogen
POLYTETRAFLUOROETHYLENE 9002-84-0	<5			Group 3 Supplement 7, 1987; Monograph 19, 1979
TITANIUM DIOXIDE 13463-67-7	<3	male rat-negative, female rat-negative, male mice-negative, female mice-negative	A4	Group 2B; Vol 93,2006; Vol 47,1989

**Aggravated Medical Condition:** 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 vapours. Obtain medical attention.  
**Skin Contact:** Wash off with soap and water. 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.

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## 5. FIRE FIGHTING MEASURES

**Flash Point °F(C°):** >200° F TCC  
**Recommended Extinguishing Media:** Carbon dioxide, Dry chemical, Foam  
**Special Fire-Fighting Procedures:** Firefighters should wear self-contained breathing apparatus.  
**Hazardous Products of Combustion:** 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°F. Keep in cool and dark place. Avoid direct sunlight.  
**Handling:** Avoid prolonged skin contact. Keep away from eyes. Wash hands before eating and smoking.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Eyes:** Safety glasses.  
**Skin:** Neoprene or nitrile gloves recommended.  
**Ventilation:** General; local exhaust ventilation as necessary to control any air contaminants to within their exposure limits (or to the lowest feasible levels when limits have not been established) during the use of this product.  
**Respiratory Protection:** Not required under normal use. An approved organic vapor respirator should be worn when exposures are expected to exceed the applicable limits.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** White paste  
**Odor:** Mild  
**Boiling Point:** >300°F  
**pH:** Does not apply  
**Solubility in Water:** Insoluble  
**Specific Gravity:** 1.16-1.26  
**VOC(Wt.%):** 2.8%; 33.9 g/l  
**Vapor Pressure:** n/d  
**Vapor Density (Air=1):** >1  
**Evaporation Rate:** n/d

## 10. STABILITY AND REACTIVITY

**Chemical Stability:** Stable at normal conditions  
**Hazardous Polymerization:** Will not occur  
**Incompatibilities:** Strong oxidizers, Metal salts, heat and amines  
**Conditions to Avoid:** Heat  
**Hazardous Products of Combustion:** 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)**  
**U.S. Department of Transportation - DOT - 49 CFR (Ground)**  
**DOT Shipping Name:** Not regulated  
**Hazard Class:** None

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#### 14. TRANSPORTATION INFORMATION

**UN/ID Number:** None

##### **IATA (Air)**

**Proper Shipping Name:** Not regulated

**Class or Division:** None

**UN/ID Number:** None

##### **IMDG (Vessel)**

**Proper Shipping Name:** Not regulated

**Hazard Class:** None

**UN Number:** None

**Marine Pollutant:** None

#### 15. REGULATORY INFORMATION

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

DIMETHYLBENZYL HYDROPEROXIDE

**California Proposition 65:** No California Prop 65 chemicals are known to be present at or above the No Significant Risk Level

**TSCA Inventory Status:** 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 0.

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

(NFPA is a registered trademark of the National Fire Protection Association)

(HMIS is a registered trademark of the National Paint and Coatings Association)

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