

ITW Permatex  
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## Material Safety Data Sheet

### 1. PRODUCT IDENTIFICATION

**Product Name:** HIGH PERFORMANCE THREAD SEALANT 50ML  
**Item No:** 56521  
**Product Type:** Anaerobic

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Component	Weight%	ACGIH; TLV-TWA	OSHA PEL
POLYGLYCOL DIMETHACRYLATE 25852-47-5	30-50	Not listed	Not listed
POLYMERIC PLASTICIZER 68332-62-7	20-40	Not listed	Not listed
CELLULOSE ESTER 9004-36-8	10-30	Not listed	Not listed
POLYTETRAFLUOROETHYLENE 9002-84-0	<7	Not listed	Not listed
TITANIUM DIOXIDE 13463-67-7	<4	10 mg/m <sup>3</sup>	15 mg/m <sup>3</sup>
DIMETHYLBENZYL HYDROPEROXIDE 80-15-9	<3	Not listed	Not listed

### 3. HAZARDS IDENTIFICATION

**Toxicity:** May cause eye and skin irritation. Ingestion may irritate digestive tract and cause nausea, vomiting and diarrhea. May cause skin sensitization.  
**Primary Routes of Entry:** Eye and skin contact, ingestion, inhalation  
**Signs and Symptoms of Exposure:** May cause redness to eyes and irritation to nasal passages. Repeated skin contact may cause allergic skin reactions.

Component	Weight%	NTP	ACGIH Carcinogens	IARC Carcinogen
POLYTETRAFLUOROETHYLENE 9002-84-0	<7			Group 3 Supplement 7, 1987; Monograph 19, 1979
TITANIUM DIOXIDE 13463-67-7	<4	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 - seek medical advice. Never give anything by mouth to an unconscious person.  
**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.

### 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.

## 5. FIRE FIGHTING MEASURES

**Lower Explosive Limit:** n/d  
**Upper Explosive Limit:** n/d

## 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. Do not inhale vapors. 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:** 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:** 1.05-1.15  
**VOC(Wt.%):** 2.5%  
**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  
**UN/ID Number:** None

**IATA (Air)**

**Proper Shipping Name:** Not regulated  
**Class or Division:** None  
**UN/ID Number:** None

**Product Name:** HIGH PERFORMANCE THREAD SEALANT  
50ML

**Item No.** 56521

**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 1, FLAMMABILITY 1, REACTIVITY 0.

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

(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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