

ITW Permatex  
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## Material Safety Data Sheet

### 1. PRODUCT IDENTIFICATION

**Product Name:** HIGH STRENGTH THREADLOCKER RED GEL 10 GR  
**Item No:** 27010  
**Product Type:** Anaerobic

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Component	Weight%	ACGIH; TLV-TWA	OSHA PEL
POLYGLYCOL DIMETHACRYLATE 25852-47-5	50-70	Not listed	Not listed
POLYESTER RESIN MIXTURE	20-40	Not listed	Not listed
TREATED SILICON DIOXIDE, SYNTHETIC, CRYSTALLINE-FREE 67762-90-7	<10	10 mg/m <sup>3</sup>	Not listed
DIMETHYLBENZYL HYDROPEROXIDE 80-15-9	<3	Not listed	Not listed
PROPYLENE GLYCOL 57-55-6	<3	Not listed	Not listed

### 3. HAZARDS IDENTIFICATION

**Toxicity:** May cause eye and skin irritation. At elevated temperatures may cause irritation of the respiratory tract. Irritates mucous membranes. Ingestion may irritate digestive tract and cause nausea, vomiting and diarrhea. High concentrations may cause central nervous system (CNS) depression. 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. Skin redness. Ingestion may cause nausea and vomiting. Inhalation overexposure may cause irritation, coughing and flu-like symptoms. May cause pain, redness or swelling of the eyes and excessive blinking and tear production.

**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.

### 5. FIRE FIGHTING MEASURES

**Flash Point °F(C°):** >200°F

**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 reasonably foreseeable.

**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.

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## 7. HANDLING AND STORAGE

**Storage:** Store below 100°F.  
**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. Not required under normal use. An approved organic vapor respirator should be worn when exposures are expected to exceed the applicable limits.  
**Respiratory Protection:**

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Red gel  
**Odor:** Mild  
**Boiling Point:** >150°C  
**pH:** Does not apply  
**Solubility in Water:** Insoluble  
**Specific Gravity:** 1.11-1.15  
**VOC(Wt.%):** <2%  
**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, free radical initiators, inert gases  
**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

### IMDG (Vessel)

**Proper Shipping Name:** Not regulated  
**Hazard Class:** None  
**UN Number:** None

**Marine Pollutant:** None

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## 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 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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