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**SAFETY DATA SHEET**  
 according to REACH regulation 1907/2006

**1. IDENTIFICATION OF THE PREPARATION**

Identification of the preparation: **MEDIUM STRENGTH THREADLOCKER BLUE GEL 10 GR**  
 Item No. **24010**  
 Recommended use: **Anaerobic**

**2. HAZARDS IDENTIFICATION**

**Classification:** Xi - Irritant  
**Most Important Hazards:** Irritating to eyes. May cause irritation of respiratory tract. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Component	Weight%	EC Number	EU Classification
POLYGLYCOL DIMETHACRYLATE 25852-47-5	30-50	Not determined	None
POLYESTER RESIN MIXTURE	20-40	Not determined	None
BENZOATE ESTERS MIXTURE	<20	Not determined	None
TREATED SILICON DIOXIDE, SYNTHETIC, CRYSTALLINE-FREE 67762-90-7	<10	Not determined	None
DIMETHYLBENZYL HYDROPEROXIDE 80-15-9	<3	201-254-7	O; R7 T; R23 Xn; R21/22-48/20/22 C; R34 N; R51-53
PROPYLENE GLYCOL 57-55-6	<3	200-338-0	None
TITANIUM DIOXIDE 13463-67-7	0.1-1.0	236-675-5	None

**4. FIRST-AID MEASURES**

**General Information:** If you feel unwell, seek medical advice (show the label where possible).  
**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 the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
**Ingestion:** If swallowed, seek medical advice immediately and show this container or label.

#### **4. FIRST-AID MEASURES**

**Protection of first-aiders:** Use personal protective equipment. Avoid contact with skin, eyes and clothing.

#### **5. FIRE-FIGHTING MEASURES**

**Suitable Extinguishing Media:** Carbon dioxide (CO<sub>2</sub>), Dry chemical, foam

**Extinguishing media which must not be used for safety reasons:** None reasonably foreseeable

**Special instructions for protection and hygiene:** No hazards to be specially mentioned.

**Special protective equipment for firefighters:** Use personal protective equipment. Avoid contact with eyes.

#### **6. ACCIDENTAL RELEASE MEASURES**

**Personal Precautions:** For additional information on processing see sections 7, 8 and 11 of this safety data sheet.

**Environmental Precautions:** Do not flush into surface water or sanitary sewer system.

**Cleanup:** Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container.

#### **7. HANDLING AND STORAGE**

**Handling precautions:** Avoid contact with the skin and the eyes. Wash thoroughly after handling.

**Storage:** Store in cool place.

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

<b>Component</b>	<b>ACGIH; TLV-TWA</b>	<b>German MAK; TWA</b>	<b>UK WEL; TWA</b>	<b>Finnish OEL; HTP</b>
POLYGLYCOL DIMETHACRYLATE 25852-47-5	Not listed	Not listed	Not listed	Not listed
POLYESTER RESIN MIXTURE -	Not listed	Not listed	Not listed	Not listed
BENZOATE ESTERS MIXTURE	Not listed	Not listed	Not listed	Not listed
TREATED SILICON DIOXIDE, SYNTHETIC, CRYSTALLINE-FREE 67762-90-7	10 mg/m <sup>3</sup>	Not listed	Not listed	Not listed
DIMETHYLBENZYL HYDROPEROXIDE 80-15-9	Not listed	Not listed	Not listed	Not listed
PROPYLENE GLYCOL 57-55-6	Not listed	Not listed	150 ppm; 474 mg/m <sup>3</sup>	Not listed
TITANIUM DIOXIDE 13463-67-7	10 mg/m <sup>3</sup>	Not listed	10 mg/m <sup>3</sup>	Not listed

**Ventilation:** Provide adequate ventilation .

**Respiratory Protection:** Not required under normal use. In case of insufficient ventilation, wear suitable respiratory equipment.

**Skin:** Neoprene or nitrile gloves recommended.

**Eyes:** Safety glasses

**Hygiene Measures:** When using, do not eat, drink or smoke.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Blue liquid
<b>Odor:</b>	Mild
<b>pH:</b>	Does not apply
<b>Boiling point/range:</b>	>150°C (300°F)
<b>Melting point:</b>	Not determined
<b>Flash point:</b>	>95°C (200°F)
<b>Risk of explosion:</b>	None reasonably foreseeable.
<b>Vapor pressure:</b>	<5 mm Hg
<b>Density:</b>	1.1
<b>Solubility in water:</b>	Negligible
<b>Partition coefficient (n-octanol/water):</b>	Not determined
<b>Vapor density:</b>	>1 (Air = 1)
<b>Evaporation Rate:</b>	Not determined
<b>VOC Content(%):</b>	Not determined

## 10. STABILITY/REACTIVITY

<b>Stability:</b>	Stable under normal conditions.
<b>Conditions to Avoid:</b>	Heat.
<b>Materials to avoid:</b>	Strong oxidizing agents
<b>Hazardous decomposition products:</b>	Carbon oxides

## 11. TOXICOLOGICAL INFORMATION

Component	Weight%	LD50/oral/rat	LD50/dermal/rabbit	LC50/inhalation/rat	IARC Carcinogen
TREATED SILICON DIOXIDE, SYNTHETIC, CRYSTALLINE-FREE 67762-90-7	<10	>5,000 mg/kg			
DIMETHYLBENZYL HYDROPEROXIDE 80-15-9	<3	382 mg/kg	500 mg/kg	200 ppm/4H	
PROPYLENE GLYCOL 57-55-6	<3	20 g/kg	20800 mg/kg		
TITANIUM DIOXIDE 13463-67-7	0.1-1.0	>10000 mg/kg			Group 2B; Vol 93,2006; Vol 47,1989

### Local Effects

<b>Skin Irritation:</b>	May cause skin irritation and/or dermatitis.
<b>Eye Irritation:</b>	Irritating, but will not permanently injure eye tissue.
<b>Inhalation:</b>	May cause irritation of respiratory tract. Note: This product does not contain microcrystalline silica.
<b>Ingestion:</b>	Irritating to mouth, throat and stomach.
<b>Sensitization:</b>	None reasonably foreseeable.
<b>Chronic toxicity:</b>	None reasonably foreseeable.

### Specific Effects

<b>Carcinogenic effects:</b>	None reasonably foreseeable
<b>Mutagenic effects:</b>	None reasonably foreseeable.
<b>Reproductive toxicity:</b>	None reasonably foreseeable
<b>Target Organ Effects:</b>	Eyes, Skin, Respiratory System

## 12. ECOLOGICAL INFORMATION

<b>Ecotoxicity:</b>	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
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### **13. DISPOSAL CONSIDERATIONS**

**Waste from Residues:** According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user based on the application for which the product was used.

**RoHS/WEEE:** This product is in compliance with EU Directive 2002/95/EC Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment (RoHS) and EU Directive 2002/96/EC Restriction on waste electrical and electronic equipment (WEEE).

### **14. TRANSPORT INFORMATION**

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

**Proper Shipping Name:** Not regulated  
**Hazard Class:** Not applicable  
**UN/ID No:** Not applicable

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

**Proper shipping name:** Not regulated  
**Hazard Class:** Not applicable  
**UN/ID No:** Not applicable  
**Marine Pollutant:** None

#### **ADR/RID**

**Proper Shipping Name:** Not regulated  
**Hazard Class:** Not applicable  
**UN/ID No:** None

### **15. REGULATORY INFORMATION**

**This product is classified in accordance with Annex VI to Directive 67/548/EEC**

#### **Indication of Danger:**

Xi - Irritant

#### **R -phrase(s):**

R36/37 - Irritating to eyes and respiratory system  
R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

#### **S -phrase(s):**

S 2 - Keep out of the reach of children  
S25 - Avoid contact with eyes  
S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice  
S61 - Avoid release to the environment. Refer to special instructions/safety data sheets

### **16. OTHER INFORMATION**

#### **Risk Phrases mentioned in Section 3:**

R 7 - May cause fire.  
R23 - Toxic by inhalation.  
R34 - Causes burns.  
R21/22 - Harmful in contact with skin and if swallowed.  
R48/20/22 - Harmful: danger of serious damage to health by prolonged exposure through inhalation and if swallowed.  
R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

**Product Name:** MEDIUM STRENGTH THREADLOCKER  
BLUE GEL 10 GR

**Item No.** 24010

**Prepared By:** Denise Boyd, Manager-  
Environmental, Health & Safety

**Revision Date:** June 21, 2010

**Company:** Permatex. Inc. 10 Columbus  
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**Revision Number:** 3

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