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## Material Safety Data Sheet

### 1. PRODUCT IDENTIFICATION

**Product Name:** MEDIUM STRENGTH THREADLOCKER BLUE GEL 5 GR  
**Item No:** 24005  
**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
POLYESTER RESIN MIXTURE	20-40	Not listed	Not Listed
BENZOATE ESTERS MIXTURE	10-30	Not listed	Not Listed
TREATED SILICON DIOXIDE, SYNTHETIC, CRYSTALLINE-FREE 67762-90-7	<10	10 mg/m <sup>3</sup>	10 mg/m <sup>3</sup> total dust
DIMETHYLBENZYL HYDROPEROXIDE 80-15-9	<3	Not listed	Not Listed
PROPYLENE GLYCOL 57-55-6	<3	Not listed	Not Listed
TITANIUM DIOXIDE 13463-67-7	0.1-1.0	10 mg/m <sup>3</sup>	15 mg/m <sup>3</sup> TWA (total dust)

### 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.

Component	Weight%	NTP	ACGIH Carcinogens	IARC
TITANIUM DIOXIDE 13463-67-7	0.1-1.0	male rat-negative, female rat-negative, male mice-negative, female mice-negative	A4	Group 2B; Vol 93,2006; Vol 47,1989

**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 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:** Water fog, carbon dioxide, foam, dry chemical.

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## **5. FIRE FIGHTING MEASURES**

**Special Fire-Fighting Procedures:**

Firefighters should wear self-contained breathing apparatus.

**Hazardous Products of Combustion:**

Irritating vapors

**Unusual Fire/Explosion Hazards:**

Closed containers may rupture or explode when exposed to extreme heat.

**Lower Explosive Limit:**

Not determined

**Upper Explosive Limit:**

Not determined

## **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.

**Handling:**

Avoid prolonged skin contact. Keep away from eyes.

## **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:**

Blue gel

**Odor:**

MILD

**Boiling Point:**

>150°C

**pH:**

Does not apply

**Solubility in Water:**

Insoluble

**Specific Gravity:**

1.1

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

<2% by weight

**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:**

Strong oxidizers, free radical initiators, inert gases

**Conditions to Avoid:**

Heat

**Hazardous Products of Combustion:**

Irritating vapors

## **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

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#### **14. TRANSPORTATION INFORMATION**

##### **IATA**

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

##### **IMDG**

**Proper Shipping:** Unrestricted  
**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 PROP 65:**

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

##### **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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