

REC'D JAN 29 1997

MATERIAL SAFETY DATA SHEET

3945
SEL00490

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Removable Threadlocker 242
 Item No.: 24221
 Product Type: Anaerobic

2. COMPOSITION, INFORMATION ON INGREDIENTS

| Ingredients | CAS No. | % |
|---|-------------|---------|
| Polyglycol dimethacrylate | 25852-47-5 | 60-65 |
| Polyglycol oleate | 9004-96-0 | 25-30 |
| SACCHARIN | 81-07-2 | 3-5 |
| CUMENE HYDROPEROXIDE* | 80-15-9 | 1-3 |
| Propylene glycol | 57-55-6 | 1-3 |
| SILICA, AMORPHOUS, FUMED, CRYSTALLINE-FREE | 112945-52-5 | 1-3 |
| N,N-Dialkyltoluidines | 613-48-9 | 0.1-1 |
| TITANIUM DIOXIDE | 13463-67-7 | 0.1-0.5 |

* This component is listed as a SARA Section 313 Toxic Chemical.

Ingredients which have exposure limits

| Exposure Limits (TWA) Ingredients | ACGIH (TLV) | OSHA (PEL) | OTHER |
|---|----------------|-------------------------------|---------------------------|
| SILICA, AMORPHOUS, FUMED, CRYSTALLINE-FREE | 10 mg/m3 TWA | 6 mg/m3 TWA | 3 mg/m3 TWA resp. dust |
| TITANIUM DIOXIDE | 10 mg/m3 dust | 15 mg/m3 dust 5 mg/m3 resp | None |

| Exposure Limits (STEL) Ingredients | ACGIH (TLV) | OSHA (PEL) |
|---------------------------------------|----------------|---------------|
|---------------------------------------|----------------|---------------|

3. HAZARDS IDENTIFICATION

Toxicity: Mild eye irritant. Propylene glycol is a mild skin irritant.
 Primary Routes of Entry: Eye, skin contact.
 Signs and symptoms of Exposure: May cause dermatitis on prolonged contact in sensitive individuals
 Existing Conditions Aggravated by Exposure: Propylene glycol: dermatitis

| Ingredients | Literature Referenced Target Organ and Other Health Effects | Carcinogen | | |
|---|--|------------|------|------|
| | | NTP | IARC | OSHA |
| Polyglycol dimethacrylate | ALG IRR | NO | NO | NO |
| Polyglycol oleate | IRR | NO | NO | NO |
| SACCHARIN | No Data | YES | 2B | NO |
| CUMENE HYDROPEROXIDE | ALG CNS COR IRR MUT | NO | NO | NO |
| Propylene glycol | IRR | NO | NO | NO |
| SILICA, AMORPHOUS, FUMED, CRYSTALLINE-FREE | NUI | NO | N/A | NO |
| N,N-Dialkyltoluidines | No Data | NO | NO | NO |
| TITANIUM DIOXIDE | IRR NUI | NO | NO | NO |

Abbreviations

N/A Not Applicable
 ALG Allergen
 COR Corrosive
 MUT Mutagen
 2B Possibly carcinogenic to humans
 CNS Central nervous system
 IRR Irritant
 NUI Nuisance dust

4. FIRST AID MEASURES

Ingestion: Do not induce vomiting. Keep individual calm. Obtain medical attention
 Inhalation: Does not apply
 Skin Contact: Wash thoroughly with soap and water
 Eye Contact: Flush at least 15 minutes with water. Obtain medical attention.

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5. FIRE FIGHTING MEASURES

Flash Point: More than 200 °F Method: Tag Closed Cup
 Recommended Extinguishing Agents: Carbon dioxide, foam, dry chemical
 Hazardous Products formed by Fire or Thermal Decomp: Irritating organic vapors; oxides of carbon.
 Unusual Fire or Explosion Hazards: None
 Explosive Limits:
 (% by volume in air) Lower Propylene glycol: 2.6%
 (% by volume in air) Upper Propylene glycol: 12.5%

6. ACCIDENTAL RELEASE MEASURES

Steps to be taken in case of spill or leak: Soak up in an inert absorbent. Store in a partly filled, closed container until disposal.

7. HANDLING AND STORAGE

Safe Storage: Store below 100 °F
 (Contact Loctite Customer Service 1-800-243-4874 for shelf life information)
 Handling: Avoid prolonged skin contact. Keep away from eyes.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Eyes: Safety glasses or goggles.
 Skin: Neoprene, rubber, or butyl rubber gloves.
 Ventilation: Does not apply
 See Section 2 for Exposure Limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Blue liquid
 Odor: Mild
 Boiling Point: More than 300 °F
 pH: Does not apply
 Solubility in Water: Slight
 Specific Gravity: 1.1 at 75 °F
 Volatile Organic Compound (EPA Method 24): 13.3%; 146 grams per liter
 Vapor Pressure: Less than 5mm at 80 F
 Vapor Density: Not available
 Evaporation Rate (Ether = 1): Not available

10. STABILITY AND REACTIVITY

Stability: Stable
 Hazardous Polymerization: Will not occur
 Incompatibility: Strong oxidizers, free radical initiators, inert gases.
 Hazardous Decomposition Products (non-thermal): None

11. TOXICOLOGICAL INFORMATION

Oral LD50 more than 10000 mg/kg.
 Dermal LD50 more than 5000 mg/kg.

12. ECOLOGICAL INFORMATION

No data available

13. DISPOSAL CONSIDERATIONS

Recommended methods of disposal: Incinerate following EPA and local regulations.
 EPA Hazardous Waste Number: NH - Not a RCRA Hazardous Waste Material

14. TRANSPORT INFORMATION

DOT (49 CFR 172)
 Domestic Ground Transport
 Proper Shipping Name: Unrestricted
 Hazard Class or Division: Unrestricted
 Identification Number: None
 Marine Pollutant: None

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14. TRANSPORT INFORMATION (continued)

IATA
Proper Shipping Name: Unrestricted
Class or Division: Unrestricted
UN or ID Number: None

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15. REGULATORY INFORMATION

CA Proposition 65: This product contains Saccharin. No prop65 hazard warning is necessary if this product is used as reasonably anticipated.

16. OTHER INFORMATION

Estimated NFPA(R) Code:
Health Hazard: 1
Fire Hazard: 1
Reactivity Hazard: 1
Specific Hazard: Does not apply

Estimated HMIS(R) Code:
Health Hazard: 1*
Flammability Hazard: 1
Reactivity Hazards: 1
Personal Protection: See Section 8.

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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