



Material Safety Data Sheet

The Toro Company
8111 Lyndale Ave S
Bloomington, MN 55420

Revision Date: 01/25/2006

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Product Identification

| | | |
|---------------------------|------------------------------|----------------------|
| Product Name: | Loctite Pipe Thread Compound | Parts Number: |
| Product type: | Anaerobic Sealant | 505-85 |
| MSDS # | | |
| Emergency Contact: | Chemtrec : 1-800-424-9300 | |
| Contact Number: | 1-952-888-8801 | |
| | | |

Chemical Components

| Chemical | CAS # | % | ACGIH TLV | OSHA PEL | Other |
|--|-------------|-------|--------------------------|-------------------------------------|---|
| Bisphenol A fumarate resin | 39382-25-7 | 30-60 | none | none | none |
| Polyglycol dimethacrylate | 25852-47-5 | 10-30 | none | none | none |
| Polyglycol laurate | 9004-81-3 | 10-30 | none | none | none |
| Polyethylene glycol monococoate | 61791-29-5 | 10-30 | none | none | none |
| Poly(tetrafluoroethylene) | 9002-84-0 | 5-10 | none | none | AEL (DuPont): 10 mg/m ³ , 8 Hr TWA, total dust; 5mg/m ³ , 8 hr. TWA respirable dust |
| Poly(ethylene) | 9002-88-4 | 5-10 | none | none | none |
| Titanium dioxide | 13463-67-7 | 1-5 | 10 mg/m ³ TWA | 15 mg/m ³ TWA total dust | None |
| Silica, amorphous, fumed, crystalline-free | 112945-52-5 | 1-5 | 6 mg/m ³ TWA | 10 mg/m ³ TWA | 3 mg/m ³ TWA respirable dust |
| Saccharin | 81-07-2 | 1-5 | None | None | none |

Physical and Chemical Properties

| Characteristics | | Physical Properties | | Hazards Description | Physical Dangers |
|-----------------------|-------|----------------------|----------------------------------|--|--|
| Physical State | Paste | Vapor pressure | Less than 5 mm Hg at 27°C (80°F) | Stability: Stable. Hazardous polymerization: Will not occur. Hazardous decomposition products: Oxides of carbon. Oxides of sulfur. Oxides of nitrogen. Toxic fluorine compounds. Phenols. | CAUSES EYE IRRITATION. MAY CAUSE ALLERGIC SKIN REACTION. MAY CAUSE RESPIRATORY TRACT IRRITATION. Existing conditions aggravated by exposure: Eye, skin, and respiratory disorders. |
| Color | White | pH | Not applicable | | |
| Odor | mild | Boiling point/range: | Greater than 149°C (300°F) | | |
| | | Melting point/range: | Not available | | |
| | | Specific gravity | 1.14 | | |

| | | | | |
|-------------------------|---|--|--------------------------------|---|
| HMIS Rating | | Vapor density | Not available | Irritating organic vapors. Incompatibility: Strong oxidizers. Reducing agents. Acids. Bases. Rust. Zinc. Aluminum. Iron. Copper. Alkalis. Aldehydes. Amines. Free radical initiators. Peroxides. Conditions to avoid: Exposure to sunlight. Heat, flames and sparks |
| Health: | 2 | Evaporation rate | Not available | |
| Flammability: | 1 | Solubility in water | Slight | |
| Physical Hazard: | 1 | VOC content: | 0.1262%; 1.3841 grams/liter | |
| | | Flash Point | | |
| | | Partition coefficient (n-octanol/water): | Not available | |

Health Hazards

| Major Routes of Exposure: | Ingredients Considered Hazardous to Health | Potential Health Effects: |
|---------------------------|--|--|
| Inhalation | See section on Toxicology | Inhalation. May cause respiratory tract irritation. |
| Skin | | Skin contact May cause allergic skin reaction. May cause skin irritation. |
| Ingestion | | Eye contact: Contact with eyes will cause irritation. |
| Eye | | Ingestion: Not expected to be harmful by ingestion. |
| | | |

| First Aid Measures | Personal Protection |
|---|---|
| <p>Inhalation: Remove to fresh air. If symptoms develop and persist, get medical attention.</p> <p>Skin contact: Wash with soap and water. Remove contaminated clothing and shoes. Wash clothing before reuse. Get medical attention if symptoms occur.</p> <p>Eye contact: Flush with copious amounts of water, preferably, lukewarm water for at least 15 minutes, holding eyelids open all the time. Get medical attention.</p> <p>Ingestion: Do not induce vomiting. Keep individual calm. Obtain medical attention</p> | <p>Engineering controls: No specific ventilation requirements noted, but forced ventilation may still be required if concentrations exceed occupational exposure limits.</p> <p>Respiratory protection: Use NIOSH approved respirator if there is potential to exceed exposure limit(s).</p> <p>Skin protection: Use impermeable gloves and protective clothing as necessary to prevent skin contact.</p> <p>Eye/face protection: Safety goggles or safety glasses with side shields.</p> |

Fire and Explosion Hazards

| Extinguishing Media | Special Fire Fighting Procedures | Unusual Fire and Explosion Hazards |
|---------------------------------------|---|---|
| Foam, dry chemical or carbon dioxide. | <p>Flash point: Greater than 93°C (200°F) Tagliabue closed cup</p> <p>Autoignition temperature: Not available</p> <p>Flammable/Explosive limits-lower %: Not available</p> <p>Flammable/Explosive limits-upper %: Not available</p> <p>Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.</p> | <p>None</p> <p>Hazardous combustion products: Oxides of carbon. Oxides of sulfur. Oxides of nitrogen. Toxic fluorine compounds. Irritating organic vapors.</p> |

Handling and Storage

| Accidental Release /Spill Measures to Take | Precautions for Storage | Handling |
|--|---|--|
| <p>Prevent product from entering drains or open waters.</p> <p>Clean-up methods: Soak up with inert absorbent. Store in a partly filled, closed container until disposal.</p> | <p>For safe storage, store at or below 38°C (100°F). Keep in a cool, well ventilated area away from heat, sparks and open flame. Keep container tightly closed until ready for use.</p> | <p>Avoid contact with eyes, skin and clothing. Avoid breathing vapor and mist. Wash thoroughly after handling.</p> |

Disposal/Transportation

| Disposal Method | Transportation |
|---|---|
| <p>Dispose of according to Federal, State and local governmental regulations. EPA hazardous waste number: Not hazardous</p> | <p>U.S. Department of Transportation Ground (49 CFR): Proper shipping name: Unrestricted Hazard class or division: None Identification number: None Packing group: None International Air Transportation (ICAO/IATA): Proper shipping name: Unrestricted Hazard class or division: None Identification number: None Packing group: None WaterTransportation (IMO/IMDG): Proper shipping name: Unrestricted Hazard class or division: None Identification number: None Packing group: None Marine pollutant: None</p> |

Regulations

United States Regulatory Information

TSCA 8 (b) Inventory Status: All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.

TSCA 12 (b) Export Notification: 4-Methoxyphenol (150-76-5).

CERCLA/SARA Section 302 EHS: None above reporting de minimus.

CERCLA/SARA Section 311/312: Immediate Health Hazard, Delayed Health Hazard

CERCLA/SARA 313: None above reporting de minimus.

California Proposition 65: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

Canada Regulatory Information

CEPA DSL/NDSL Status: Contains one or more components listed on the Non-Domestic Substances list.

WHMIS hazard class: D.2.B

Toxicology Information

Acute oral LD50 greater than 10, 000 mg/kg (rat). Acute dermal LD50 greater than 2000 mg/kg (rabbit) (estimated).

| Hazardous components | NTP Carcinogen | IARC Carcinogen | OSHA Carcinogen |
|--|----------------|-----------------|-----------------|
| Bisphenol A fumarate resin 39382-25-7 | | | |
| Polyglycol dimethacrylate 25852-47-5 | | | |
| Polyglycol laurate 9004-81-3 | | | |
| Polyethylene glycol monococoate 61791-29-5 | | No to all | |
| Poly(tetrafluoroethylene) 9002-84-0 | | | |
| Poly(ethylene) 9002-88-4 | | | |
| Titanium dioxide 13463-67-7 | | | |
| Silica, amorphous, fumed, crystalline-free 112945-52-5 | | | |
| Saccharin 81-07-2 | | | |

Literature Referenced Target Organ & Other Health Effects Hazardous components Health Effects/Target Organs

| | |
|--|--------------------|
| Bisphenol A fumarate resin 39382-25-7 | Allergen, Irritant |
| Polyglycol dimethacrylate 25852-47-5 | Allergen, Irritant |
| Polyglycol laurate | |

9004-81-3
Allergen, Irritant
Polyethylene glycol monococoate
61791-29-5
No Target Organs
Poly(tetrafluoroethylene)
9002-84-0
No Target Organs
Poly(ethylene)
9002-88-4
No Target Organs
Titanium dioxide
13463-67-7
Irritant, Respiratory
Silica, amorphous, fumed,
crystalline-free
112945-52-5
Nuisance dust
Saccharin
81-07-2
No Target Organs

Ecological Information

Not available