



Material Safety Data Sheet

The Toro Company
8111 Lyndale Ave S
Bloomington, MN 55420

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Product Identification

Product Name:	Loctite Thread Locking Compound	Parts Number:
Product type:	Anaerobic Sealant	505-33
MSDS #		
Emergency Contact:	Chemtrec : 1-800-424-9300	
Contact Number:	1-952-888-8801	

Chemical Components

Chemical	CAS #	%	ACGIH TLV	OSHA PEL	Other
Polyglycol dimethacrylate	25852-47-5	60-100	None	None	None
Polyglycol oleate	9004-96-0	10-30	None	None	
Saccharin	81-07-2	1-5	None	None	
Silica, amorphous, fumed, crystalline-free	112945-52-5	1-5	6 mg/m3 TWA	10 mg/m3 TWA	3 mg/m3 TWA respirable dust
Propylene glycol	57-55-6	1-5	None	None	10 mg/m ³ TWA, (WEEL)
Cumene hydroperoxide	80-15-9	1-5	None	None	1 ppm (6 mg/m3) Skin (WEEL), 1ppm, skin TWA, (WEEL)

Physical and Chemical Properties

Characteristics		Physical Properties		Hazards Description	Physical Dangers
Physical State	Liquid	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. Irritating organic vapors. Incompatibility: Strong	CAUSES EYE IRRITATION. MAY CAUSE SKIN IRRITATION. MAY CAUSE ALLERGIC SKIN REACTION. MAY CAUSE RESPIRATORY TRACT IRRITATION
Color	Blue	pH	Not applicable		
Odor	mild	Boiling point/range:	Greater than 149°C (300°F)		
		Melting point/range:	Not available		
		Specific gravity	1.1 at 23.9°C (75°F)		

HMIS Rating		Vapor density	Not available	oxidizers. Free radical initiators. Strong reducing agents. Alkalis. Oxygen scavengers. Other polymerization initiators. Copper. Iron. Zinc. Aluminum. Rust.
Health:	2	Evaporation rate	Not available	
Flammability:	1	Solubility in water	Slight	
Physical Hazard:	1	VOC content:	4.48%; 49.3 grams/liter (EPA Method 24)	
		Flash Point		
		Partition coefficient (n-octanol/water):	Not available	

Health Hazards

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

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. Neoprene gloves. Butyl rubber gloves. Natural rubber gloves.</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)</p> <p>Tagliabue closed cup</p> <p>Autoignition temperature: Not available</p> <p>Flammable/Explosive limits-lower %: 2.6 % (propylene glycol)</p> <p>Flammable/Explosive limits-upper %: 12.5 % (propylene glycol)</p> <p>Special fire fighting procedures: None</p> <p>Hazardous combustion products: Oxides of carbon. Oxides of sulfur. Oxides of nitrogen. Irritating organic vapors</p>	None

Handling and Storage

Accidental Release /Spill Measures to Take	Precautions for Storage	Handling
Environmental precautions: Prevent product from entering drains or open waters. Clean-up methods: Soak up with inert absorbent. Store in a partly filled, closed container until disposal	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.	Avoid contact with eyes, skin and clothing. Avoid breathing vapor and mist. Wash thoroughly after handling.

Disposal/Transportation

Disposal Method	Transportation
Dispose of according to Federal, State and local governmental regulations. Not a RCRA hazardous waste.	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

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: This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372). Cumene hydroperoxide (CAS# 80-15-9) . 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: All components are listed on or are exempt from listing on the 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 5000 mg/kg (rabbit)				
Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen	
Polyglycol dimethacrylate 25852-47-5	No	No	No	
Polyglycol 9004-96-0	No	No	No	
Saccharin 81-07-2	No	No	No	
Silica, amorphous, fumed, crystalline-free 112945-52-5	No	No	No	
Cumene hydroperoxide 80-15-9	No	No	No	

Propylene glycol 57-55-6	No	No	No
Health Effects/Target Organs			
Polyglycol dimethacrylate 25852-47-5			
Allergen, Irritant			
Polyglycol oleate 9004-96-0			
Irritant			
Saccharin 81-07-2			
No Target Organs			
Silica, amorphous, fumed, crystalline-free 112945-52-5			
Nuisance dust			
Cumene hydroperoxide 80-15-9			
Allergen, Central nervous system, Corrosive, Irritant, Mutagen			
Propylene glycol 57-55-6			
Irritant			

Ecological Information

Not available