



## A NEW FORCE IN CHEMICAL MANUFACTURING

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# SAFETY DATA SHEET

ISSUED SEPTEMBER 2014 (VALID 5 YEARS FROM DATE OF ISSUE)

## 8222 LOW STRENGTH THREADLOCKER

### SECTION 1 - IDENTIFICATION OF THE MATERIAL

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**Product Name:** Low Strength Threadlocker  
**Product Type:** Anaerobic Adhesive  
**Part Number:** 8222  
**Available Sizes:** 8222-10 (10 ml)  
8222-50 (50 ml)  
8222-250 (250 ml)

### SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS	CAS #	%	ACGIH TLV	OSHA PEL
Polyglycol Dimethacrylate	25852-47-5	60 - 100	None	None
Saccharin	81-07-2	1 - 5	None	None
Silica - amorphous, fumed, crystalline-free	112945-52-5	1 - 5	6 mg/m <sup>3</sup> TWA	10 mg/m <sup>3</sup> TWA
Cumene Hydroperoxide	80-15-9	1 - 5	None	None
Propylene Glycol	57-55-6	1 - 5	None	None

### SECTION 3 - HAZARDS IDENTIFICATION

**Relevant Routes of Exposure:** Skin, Inhalation, Eyes

#### Potential Health Effects

**Inhalation:** May cause respiratory tract irritation.  
**Skin Contact:** May cause allergic skin reaction. May cause skin irritation.  
**Eye Contact:** Contact with eyes will cause irritation.  
**Ingestion:** Not expected to be harmful by ingestion.

#### HMIS:

Health: 1	Reactivity: 1	Flammability: 1	PPE: H
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**Warnings:** Causes eye irritation. May cause skin irritation. May cause allergic skin reaction.  
May cause respiratory tract irritation.

**SECTION 4 - FIRST AID MEASURES**

<b>Inhalation:</b>	Remove to fresh air. If symptoms develop and persist, get medical attention.
<b>Skin Contact:</b>	Wash with soap and water. Remove contaminated clothing and shoes. Wash clothing before reuse. Get medical attention if symptoms occur.
<b>Eye Contact:</b>	Flush with copious amounts of water, preferably, lukewarm water for at least 15 minutes, holding eyelids open all the time. Get medical attention.
<b>Ingestion:</b>	Do not induce vomiting. Keep individual calm. Obtain medical attention.

**SECTION 5 - FIRE FIGHTING MEASURES**

<b>Flash point:</b>	Greater than 93°C (200°F) Cleveland Closed Cup
<b>Autoignition Temperature:</b>	Not available
<b>Flammable/Explosive Limits - Lower %:</b>	2.6% (Propylene Glycol)
<b>Flammable/Explosive Limits - Upper %:</b>	12.5% (Propylene Glycol)
<b>Extinguishing Media:</b>	Foam, dry chemical, or Carbon Dioxide.
<b>Special Fire Fighting Procedures:</b>	None
<b>Unusual Fire or Explosion Hazards:</b>	None
<b>Hazardous Combustion Products:</b>	Oxides of Carbon. Oxides of Sulphur. Oxides of Nitrogen. Irritating organic vapours.

**SECTION 6 - ACCIDENTAL RELEASE MEASURES**

<b>Environmental Precautions:</b>	Prevent product from entering drains or open waters.
<b>Clean-up Methods:</b>	Soak up with inert absorbent. Store in a partly filled, closed container until disposal.

**SECTION 7 - HANDLING AND STORAGE**

<b>Handling:</b>	Avoid contact with eyes, skin and clothing. Avoid breathing vapour and mist. Wash thoroughly after handling.
<b>Storage:</b>	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.
<b>Incompatible Products:</b>	Refer to <i>Section 10 - Stability and Reactivity</i>

**SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION**

<b>Engineering Controls:</b>	No specific ventilation requirements noted, but forced ventilation may still be required if concentrations exceed occupational exposure limits.
<b>Respiratory Protection:</b>	Use NIOSH approved respirator if there is potential to exceed exposure limit(s).
<b>Skin Protection:</b>	Use impermeable gloves and protective clothing as necessary to prevent skin contact. Neoprene gloves. Butyl rubber gloves. Natural rubber gloves.
<b>Eye/Face Protection:</b>	Safety goggles or safety glasses with side shields.
<b>Exposure Limits:</b>	Refer to <i>Section 2 - Composition/Information on Ingredients</i>

**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

<b>Physical State:</b>	Liquid
<b>Colour:</b>	Purple
<b>Odour:</b>	Mild
<b>Vapour Pressure:</b>	Less than 5 mm Hg at 27°C (80°F)
<b>pH:</b>	Not applicable
<b>Boiling Point/Range:</b>	Greater than 149°C (300°F)

<b>Melting Point/Range:</b>	Not available
<b>Specific Gravity:</b>	1.1 at 23.9°C (75°F)
<b>Vapour Density:</b>	Not available
<b>Evaporation Rate:</b>	Not available
<b>Solubility in Water:</b>	Slight
<b>VOC Content:</b>	4.39%; 48.6 grams/litre (EPA Method 24)

## SECTION 10 - STABILITY AND REACTIVITY

<b>Stability:</b>	Stable
<b>Hazardous Polymerization:</b>	Will not occur
<b>Hazardous Decomposition Products:</b>	Oxides of Carbon. Oxides of Sulphur. Oxides of Nitrogen. Irritating organic vapours.
<b>Incompatibility:</b>	Strong oxidizers. Free radical initiators. Strong reducing agents. Alkalise. Oxygen scavengers. Other polymerisation initiators. Copper. Iron. Zinc. Aluminium. Rust.
<b>Conditions to Avoid:</b>	Refer to <i>Section 7 - Handling and Storage</i> Refer to 'Incompatibility', this section, above

## SECTION 11 - TOXICOLOGICAL INFORMATION

<b>Product Toxicity Data:</b>	Acute oral LD50 greater than 10, 000 mg/kg (rat) Acute dermal LD50 greater than 5000 mg/kg (rabbit)
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### Carcinogen Status:

Hazardous Components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen
Polyglycol Dimethacrylate	No	No	No
Polyglycol Oleate	No	No	No
Saccharin	No	No	No
Silica - amorphous, fumed, crystalline-free	No	No	No
Cumene Hydroperoxide	No	No	No
Propylene Glycol	No	No	No

## SECTION 12 - ECOLOGICAL INFORMATION

<b>Ecological Information:</b>	Not available
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## SECTION 13 - DISPOSAL CONSIDERATIONS

<b>Recommended Method of Disposal:</b>	Dispose of according to Federal, State and local governmental regulations.
<b>EPA Hazardous Waste Number:</b>	Not an RCRA hazardous waste.

## SECTION 14 - TRANSPORT INFORMATION

### 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
<b>Water Transportation (IMO/IMDG):</b>	
Proper shipping name:	Unrestricted
Hazard class or division:	None
Identification number:	None
Packing group:	None
Marine pollutant:	None

## SECTION 15 - REGULATORY INFORMATION

### United States Regulatory Information

<b>TSCA 8 (b) Inventory Status:</b>	All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.
<b>TSCA 12 (b) Export Notification:</b>	None
<b>CERCLA/SARA Section 302 EHS:</b>	None above reporting de minimus
<b>CERCLA/SARA Section 311/312:</b>	Immediate Health Hazard, Delayed Health Hazard
<b>CERCLA/SARA 313:</b>	This product contains the following toxic chemical/s subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372): <ul style="list-style-type: none"><li>- Cumene Hydroperoxide (CAS# 80-15-9)</li></ul>
<b>California Proposition 65:</b>	This product contains the following chemical/s known to the State of California to cause cancer and birth defects or other reproductive harm: <ul style="list-style-type: none"><li>- 1, 4-Dioxane (CAS# 123-91-1)</li><li>- Ethylene Oxide (CAS# 75-21-8)</li><li>- Arsenic (CAS# 7440-38-2)</li><li>- Lead (CAS# 7439-92-1)</li></ul>

## DISCLAIMER

The information contained within this MSDS applies only to the Chemtools product to which the sheet relates.

The information provided is based on our best knowledge at the time of issue.

The information contained within this MSDS is believed to be accurate and is given in good faith. However, no warranty is made, either expressed or implied, regarding its accuracy or any liability arising out of the use of the information herein or the product supplied.

When used in other preparations, formulations, or in mixtures, it is necessary to ascertain whether the classifications of the hazards have changed. The attention of the user is drawn to the possibility of creating other hazards when the product is used for purposes other than that for which it was recommended. In such cases, a reassessment may be necessary and should be made by the user.

This safety data sheet should only be used and reproduced in order that the necessary measures are taken relating to the protection of health and safety at work.

It is the responsibility of the handlers to pass on the totality of the information contained within this document to any subsequent person(s) who will come in to contact with, handle or use this product in any way. They should check the adequacy of the information provided within this MSDS before passing it on to their customers/staff.