

## Material Safety Data Sheet

**LOCTITE**

Revision Number: 004.0

Issue date: 02/22/2012

**1. PRODUCT AND COMPANY IDENTIFICATION**

**Product name:** Loctite(R) 222 Threadlocker Low Strength  
**Product use:** Sealant  
**Company address:**  
 Henkel Canada Corporation  
 2225 Meadowpine Boulevard  
 Mississauga, Ontario L5N 7P2

**IDH number:** 231125  
**Item number:** 21463  
**Region:** Canada  
**Contact information:**  
 Telephone: 905.814.6511  
 MEDICAL EMERGENCY Phone: Poison Control Center  
 1-877-671-4608 (toll free) or 1-303-592-1711  
 TRANSPORT EMERGENCY Phone: CHEMTREC  
 1-800-424-9300 (toll free) or 1-703-527-3887  
 Internet: www.henkelna.com

**2. HAZARDS IDENTIFICATION****EMERGENCY OVERVIEW**

**Physical state:** Liquid  
**Color:** Purple  
**Odor:** Mild

**WHMIS hazard class:** D.2.A, D.2.B

**WARNING:** CAUSES EYE IRRITATION.  
 MAY CAUSE ALLERGIC SKIN REACTION.  
 MAY CAUSE SKIN IRRITATION.  
 MAY CAUSE RESPIRATORY TRACT IRRITATION.

**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.

**Existing conditions aggravated by exposure:** Eye, skin, and respiratory disorders.

See Section 11 for additional toxicological information.

APPROVED MATERIAL

MAR 05 2012

MSDS # 11051

APPROVED BY *[Signature]***3. COMPOSITION / INFORMATION ON INGREDIENTS**

Hazardous components	CAS NUMBER	%
Polyglycol dimethacrylate	25852-47-5	30 - 60
Oleic acid 5.5EO	9004-96-0	30 - 60
Silica, amorphous, treated	68909-20-6	5 - 10
Saccharin	81-07-2	1 - 5
Propanediol-1,2	57-55-6	1 - 5
Cumene hydroperoxide	80-15-9	1 - 5
Titanium dioxide	13463-67-7	0.1 - 1
Cumene	98-82-8	0.1 - 1

#### 4. FIRST AID MEASURES

<b>Inhalation:</b>	Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
<b>Skin contact:</b>	Wash with soap and water. Remove contaminated clothing and footwear. Wash clothing before reuse. If symptoms develop and persist, get medical attention.
<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. Never give anything by mouth to an unconscious person. Keep individual calm. Get medical attention.

#### 5. FIRE FIGHTING MEASURES

<b>Flash point:</b>	Not available.
<b>Autoignition temperature:</b>	Not available.
<b>Flammable/Explosive limits - lower:</b>	Not available.
<b>Flammable/Explosive limits - upper:</b>	Not available.
<b>Extinguishing media:</b>	Foam, dry chemical or carbon dioxide.
<b>Special firefighting procedures:</b>	Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.
<b>Unusual fire or explosion hazards:</b>	Not available.
<b>Hazardous combustion products:</b>	Oxides of carbon. Oxides of sulfur. Oxides of nitrogen. Irritating organic vapours.
<b>Sensitivity to Mechanical Impact:</b>	Not available.
<b>Sensitivity to static discharge:</b>	Not available.

#### 6. ACCIDENTAL RELEASE MEASURES

Use personal protection recommended in Section 8, isolate the hazard area and deny entry to unnecessary and unprotected personnel.

<b>Environmental precautions:</b>	Do not allow product to enter sewer or waterways.
<b>Clean-up methods:</b>	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Store in a partly filled, closed container until disposal.

#### 7. HANDLING AND STORAGE

<b>Handling:</b>	Use only with adequate ventilation. Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling.
<b>Storage:</b>	For safe storage, store at or below 38 °C (100.4 °F) Keep in a cool, well ventilated area away from heat, sparks and open flame. Keep container tightly closed until ready for use.

For information on product shelf life contact Henkel Customer Service at (800) 243-4874.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Employers should complete an assessment of all workplaces to determine the need for, and selection of, proper exposure controls and protective equipment for each task performed.

Hazardous components	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
Polyglycol dimethacrylate	None	None	None	None
Oleic acid 5.5EO	None	None	None	None
Silica, amorphous, treated	10 mg/m <sup>3</sup> TWA Inhalable dust.	6 mg/m <sup>3</sup> TWA	None	None
Saccharin	None	None	None	None
Propanediol-1,2	None	None	10 mg/m <sup>3</sup> TWA Aerosol.	None
Cumene hydroperoxide	None	None	1 ppm (6 mg/m <sup>3</sup> ) TWA (SKIN)	None
Titanium dioxide	10 mg/m <sup>3</sup> TWA	15 mg/m <sup>3</sup> TWA Total dust.	None	None
Cumene	50 ppm TWA	50 ppm (245 mg/m <sup>3</sup> ) TWA (SKIN)	None	None

<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>Eye/face protection:</b>	Safety goggles or safety glasses with side shields.
<b>Skin protection:</b>	Use impermeable gloves and protective clothing as necessary to prevent skin contact. Neoprene gloves. Butyl rubber gloves. Natural rubber gloves.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid
<b>Color:</b>	Purple
<b>Odor:</b>	Mild
<b>Odor threshold:</b>	Not available.
<b>pH:</b>	Not applicable
<b>Vapor pressure:</b>	< 5 mm hg (27 °C (80.6 °F))
<b>Boiling point/range:</b>	> 149 °C (> 300.2 °F)
<b>Melting point/ range:</b>	Not available.
<b>Specific gravity:</b>	1.08 at 20 °C (68°F)
<b>Vapor density:</b>	Not available.
<b>Flash point:</b>	Not available.
<b>Flammable/Explosive limits - lower:</b>	Not available.
<b>Flammable/Explosive limits - upper:</b>	Not available.
<b>Autoignition temperature:</b>	Not available.
<b>Evaporation rate:</b>	Not available.
<b>Solubility in water:</b>	Slight
<b>Partition coefficient (n-octanol/water):</b>	Not available.
<b>VOC content:</b>	0.67 %; 6.53 g/l

## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Stable
<b>Hazardous reactions:</b>	Will not occur.
<b>Hazardous decomposition products:</b>	Oxides of carbon. Oxides of sulfur. Oxides of nitrogen. Irritating organic vapours.
<b>Incompatible materials:</b>	Strong oxidizing agents.
<b>Conditions to avoid:</b>	Store away from incompatible materials. See "Handling and Storage" (Section 7) and "Incompatibility" (Section 10).

## 11. TOXICOLOGICAL INFORMATION

<b>Acute oral product toxicity:</b>	LD50 (rat) > 10,000 mg/kg
<b>Acute dermal product toxicity:</b>	LD50 (rabbit) > 5,000 mg/kg
<b>Toxicologically synergistic products:</b>	Not available.

Refer to the following for Irritancy of Product, Sensitization to Product, Carcinogenicity, Reproductive Toxicity, Teratogenicity, and Mutagenicity.

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)	ACGIH Carcinogen
Polyglycol dimethacrylate	No	No	No	No
Oleic acid 5.5EO	No	No	No	No
Silica, amorphous, treated	No	No	No	No
Saccharin	No	No	No	No
Propanediol-1,2	No	No	No	No
Cumene hydroperoxide	No	No	No	No
Titanium dioxide	No	Group 2B	No	Group A4
Cumene	No	Group 2B	No	No

Hazardous components	LD50s and LC50s	Health Effects/Target Organs
Polyglycol dimethacrylate	None	Irritant, Allergen
Oleic acid 5.5EO	None	Irritant
Silica, amorphous, treated	None	No Target Organs
Saccharin	None	No Target Organs
Propanediol-1,2	Oral LD50 (rabbit) = 18 g/kg Oral LD50 (RAT) = 30 g/kg	Irritant
Cumene hydroperoxide	None	Allergen, Central nervous system, Corrosive, Irritant, Mutagen
Titanium dioxide	None	Irritant, Respiratory, Some evidence of carcinogenicity
Cumene	Oral LD50 (RAT) = 1,400 mg/kg Oral LD50 (RAT) = 2.91 g/kg Inhalation LC50 (RAT, 4 h) = 8,000 mg/l	Central nervous system, Irritant, Lung

## 12. ECOLOGICAL INFORMATION

<b>Ecological information:</b>	Not available.
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### 13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

**Recommended method of disposal:** Follow all local, state, federal and provincial regulations for disposal.

### 14. TRANSPORT INFORMATION

The shipping classification in this section are for bulk packaging only. Shipping classification may be different for non-bulk packaging as exceptions may apply. Refer to shipping documents for package specific transportation classification.

#### Canada Transportation of Dangerous Goods - Ground

**Proper shipping name:** Not regulated  
**Hazard class or division:** None  
**Identification number:** None  
**Packing group:** None

#### International Air Transportation (ICAO/IATA)

**Proper shipping name:** Environmentally hazardous substance, liquid, n.o.s.  
**Hazard class or division:** 9  
**Identification number:** UN 3082  
**Packing group:** III

#### Water Transportation (IMO/IMDG)

**Proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
**Hazard class or division:** 9  
**Identification number:** UN 3082  
**Packing group:** III  
**Additional information:** IMDG-Code: Segregation group 1- Acids

### 15. REGULATORY INFORMATION

#### Canada Regulatory Information

**CEPA DSL/NDL Status:** All components are listed on or are exempt from listing on the Canadian Domestic Substances List.

#### 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.

### 16. OTHER INFORMATION

This material safety data sheet contains changes from the previous version in sections: 1, 2, 3, 8, 11, 14

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulation (CPR), and the MSDS contains all the information required by the CPR.

**Prepared by:** Kyra Kozak Woods, Manager, Regulatory Affairs

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