

(11039)

## Material Safety Data Sheet

**LOCTITE**

Revision Number: 004.3

Issue date: 05/15/2012

**1. PRODUCT AND COMPANY IDENTIFICATION**

Product name: 272 Threadlocker High Strength  
 Product use: Adhesive

IDH number: 88442  
 Item number: 27240  
 Region: Canada

Company address:  
 Henkel Canada Corporation  
 2515 Meadowpine Boulevard  
 Mississauga, Ontario L5N 6C3

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: Red  
 Odor: Mild  
 WHMIS hazard class: D.2.A, D.2.B

**WARNING:** CAUSES EYE IRRITATION.  
 MAY CAUSE ALLERGIC SKIN REACTION.  
 MAY CAUSE SKIN AND RESPIRATORY TRACT IRRITATION.  
 MAY BE HARMFUL IF SWALLOWED.

Relevant routes of exposure: Skin, Lungs, Eyes

**Potential Health Effects**

Inhalation: May cause respiratory tract irritation.  
 Skin contact: May cause allergic skin reaction. May cause skin irritation with discomfort or rash.  
 Eye contact: Contact with eyes will cause irritation.  
 Ingestion: May be harmful if swallowed.

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

See Section 11 for additional toxicological information.

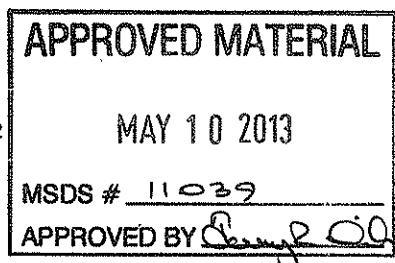
**3. COMPOSITION / INFORMATION ON INGREDIENTS**

Hazardous components	CAS NUMBER	%
2-Propenoic acid, 2-methyl-, (1-methylethylidene)	24448-20-2	60 - 100
Maleimide resin	3006-93-7	10 - 30
Hydroxyalkyl methacrylate	27813-02-1	1 - 5
Cumene hydroperoxide	80-15-9	1 - 5
Silica, amorphous, fumed, crystal-free	112945-52-5	1 - 5
Cumene	98-82-8	0.1 - 1
1-Acetyl-2-phenylhydrazine	114-83-0	0.1 - 1

**4. FIRST AID MEASURES**

Inhalation: Move to fresh air. If symptoms develop and persist, get medical attention.

IDH number: 88442



Page 1 of 5

Product name: 272 Threadlocker High Strength

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

## 5. FIRE FIGHTING MEASURES

<b>Flash point:</b>	> 93.3 °C (> 199.94 °F) Tagliabue closed cup
<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>	If product is involved in fire extinguish with dry powder, foam or carbon dioxide.
<b>Special firefighting procedures:</b>	Wear self contained breathing apparatus.
<b>Unusual fire or explosion hazards:</b>	None
<b>Hazardous combustion products:</b>	Oxides of nitrogen. Oxides of carbon. Thermal decomposition can lead to release of irritating gases and vapors.
<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>	Ventilate area. Do not allow product to enter sewer or waterways.
<b>Clean-up methods:</b>	Scrape up spilled material and place in a closed container for disposal.

## 7. HANDLING AND STORAGE

<b>Handling:</b>	Use only with adequate ventilation. Avoid contact with eyes, skin and clothing.
<b>Storage:</b>	For safe storage, store at or below 38 °C (100.4 °F)

For information on product shelf life contact Henkel Canada Customer Service at (905) 814-6511.

## 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
2-Propenoic acid, 2-methyl-, (1-methylethylidene)	None	None	None	None
Maleimide resin	None	None	None	None
Hydroxyalkyl methacrylate	None	None	None	1 ppm TWA 3 ppm STEL
Cumene hydroperoxide	None	None	1 ppm (6 mg/m <sup>3</sup> ) TWA (SKIN)	None
Silica, amorphous, fumed, crystal-free	10 mg/m <sup>3</sup> TWA Inhalable dust. 3 mg/m <sup>3</sup> TWA Respirable fraction.	20 MPPCF TWA 0.8 mg/m <sup>3</sup> TWA	None	None
Cumene	50 ppm TWA	50 ppm (245 mg/m <sup>3</sup> ) TWA (SKIN)	None	None
1-Acetyl-2-phenylhydrazine	None	None	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>	Butyl rubber gloves. Use impermeable gloves and protective clothing as necessary to prevent skin contact. Natural rubber gloves. Neoprene gloves.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid
<b>Color:</b>	Red
<b>Odor:</b>	Mild
<b>Odor threshold:</b>	Not available.
<b>pH:</b>	Not applicable
<b>Vapor pressure:</b>	Not available.
<b>Boiling point/range:</b>	Not available.
<b>Melting point/ range:</b>	Not available.
<b>Specific gravity:</b>	1.11
<b>Vapor density:</b>	Not available.
<b>Flash point:</b>	> 93.3 °C (> 199.94 °F) Tagliabue closed cup
<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>	8.1 %, 89.9 g/l EPA Method 24

## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Stable under recommended storage conditions.
<b>Hazardous reactions:</b>	Hazardous polymerization may occur in the presence of excess peroxides and metals contamination.
<b>Hazardous decomposition products:</b>	Oxides of carbon. Oxides of nitrogen. Irritating organic vapours.
<b>Incompatible materials:</b>	Reducing agents. Strong alkalis. Strong acids and oxidizing agents. Other polymerization initiators.
<b>Conditions to avoid:</b>	See "Handling and Storage" (Section 7) and "Incompatibility" (Section 10). High temperatures.

## 11. TOXICOLOGICAL INFORMATION

Acute oral product toxicity: LD50 (rat) > 10,000 mg/kg  
 Acute dermal product toxicity: LD50 (rabbit) > 1,500 mg/kg  
 Toxicologically synergistic products: 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
2-Propenoic acid, 2-methyl-, (1-methylethylidene)	No	No	No	No
Maleimide resin	No	No	No	No
Hydroxyalkyl methacrylate	No	No	No	No
Cumene hydroperoxide	No	No	No	No
Silica, amorphous, fumed, crystal-free	No	No	No	No
Cumene	No	Group 2B	No	No
1-Acetyl-2-phenylhydrazine	No	No	No	No

Hazardous components	LD50s and LC50s	Health Effects/Target Organs
2-Propenoic acid, 2-methyl-, (1-methylethylidene)	None	Irritant, Allergen
Maleimide resin	None	No Target Organs
Hydroxyalkyl methacrylate	None	Irritant, Allergen
Cumene hydroperoxide	None	Allergen, Central nervous system, Corrosive, Irritant, Mutagen
Silica, amorphous, fumed, crystal-free	None	Nuisance dust
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
1-Acetyl-2-phenylhydrazine	None	Allergen, Blood, Kidney, Mutagen, Some evidence of carcinogenicity

## 12. ECOLOGICAL INFORMATION

Ecological information: Not available.

## 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 classifications in this sections are for non-bulk packaging only (unless otherwise specified). Shipping classification may be different for bulk packaging.

### 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: Not regulated  
Hazard class or division: None  
Identification number: None  
Packing group: None

**Water Transportation (IMO/IMDG)**

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

**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**

**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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