



Revision Date: 01/25/2006

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**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

**Product name:** Loctite(TM) 2440 Threadlocker Medium Strength  
**Product type:** Anaerobic Sealant  
**Company address:** Henkel Corporation  
1001 Trout Brook Crossing  
Rocky Hill, Connecticut 06067

**Item No. :** 33947  
**Region:** United States  
**Contact Information:**  
Telephone: 860.571.5100  
Emergency telephone: 860.571.5100  
Internet: www.loctite.com

**2. COMPOSITION/INFORMATION ON INGREDIENTS**

<u>Hazardous components</u>	<u>%</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>	<u>OTHER</u>
Methacrylate ester Proprietary	10-30	None	None	None
Amorphous fumed silica 68611-44-9	1-5	None	None	None
Polyglycol dioctanoate 18268-70-7	10-30	None	None	None
Propylene glycol 57-55-6	1-5	None	None	None
1-Acetyl-2-phenylhydrazine 114-83-0	0.1-1	None	None	None
Polyglycol dimethacrylate 25852-47-5	30-60	None	None	None
Saccharin 81-07-2	1-5	None	None	None

**3. HAZARDS IDENTIFICATION****EMERGENCY OVERVIEW****HMIS:**

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

**HEALTH:** 2\*  
**FLAMMABILITY:** 1  
**PHYSICAL HAZARD:** 1  
**Personal Protection:** See Section 8

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

**Relevant routes of exposure:** Skin, Inhalation, Eyes

**Potential Health Effects****Inhalation:**

May cause respiratory tract irritation. Vapors may cause headaches, nausea, dizziness and respiratory tract irritation. May cause symptoms of intoxication.

**Skin contact:**

May cause allergic skin reaction. May cause skin irritation with discomfort or rash.

**Eye contact:**

May cause irritation.

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**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.**

#### 4. FIRST AID MEASURES

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

**Skin contact:** Wash with soap and water. Remove contaminated clothing and shoes. Wash clothing before reuse. Get medical attention if symptoms occur.

**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.

**Ingestion:** Do not induce vomiting. Keep individual calm. Obtain medical attention.

#### 5. FIRE-FIGHTING MEASURES

**Flash point:** Greater than 93°C (200°F) Tagliabue closed cup

**Autoignition temperature:** Not available

**Flammable/Explosive limits-lower %:** Not available

**Flammable/Explosive limits-upper %:** Not available

**Extinguishing media:** Foam, dry chemical or carbon dioxide.

**Special fire fighting procedures:** Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.

**Unusual fire or explosion hazards:** None

**Hazardous combustion products:** Oxides of carbon. Toxic fluorine compounds. Irritating organic vapors.

#### 6. ACCIDENTAL RELEASE MEASURES

**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.

#### 7. HANDLING AND STORAGE

**Handling:** Avoid contact with eyes, skin and clothing. Avoid breathing vapor and mist. Wash thoroughly after handling. Use only with adequate ventilation.

**Storage:** 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.

**Incompatible products:** Refer to Section 10.

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

#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Engineering controls:** No specific ventilation requirements noted, but forced ventilation may still be required if concentrations exceed occupational exposure limits.

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**Respiratory protection:** Use NIOSH approved respirator if there is potential to exceed exposure limit(s).

**Skin protection:** Use impermeable gloves and protective clothing as necessary to prevent skin contact.

**Eye/face protection:** Safety goggles or safety glasses with side shields.

**See Section 2 for exposure limits.**

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical state:** Liquid  
**Color:** Blue  
**Odor:** Mild  
**Vapor pressure:** Less than 0.1 mm Hg at 27°C (80°F)  
**pH:** Not applicable  
**Boiling point/range:** Greater than 149°C (300°F)  
**Melting point/range:** Not available  
**Specific gravity:** 1.09  
**Vapor density:** Not available  
**Evaporation rate:** Not available  
**Solubility in water:** Slight  
**Partition coefficient (n-octanol/water):** Not available  
**VOC content:** 1.7846%; 17.7 grams/liter

## 10. STABILITY AND REACTIVITY

**Stability:** Stable.

**Hazardous polymerization:** Will not occur.

**Hazardous decomposition products:** Oxides of carbon. Toxic fluorine compounds. Irritating organic vapors.

**Incompatibility:** Strong oxidizers. Strong reducing agents. Alkalis. Oxygen scavengers. Free radical initiators. Other polymerization initiators.

**Conditions to avoid:** See "Handling and Storage" (Section 7) and "Incompatibility" (Section 10).

## 11. TOXICOLOGICAL INFORMATION

**Product toxicity data:** Acute LD50 (oral) :Greater than 10000 (rat). (estimated). Acute dermal LD50 greater than 5000 mg/kg (rabbit)(estimated).

### Carcinogen Status

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen
Methacrylate ester Proprietary	No	No	No
Amorphous fumed silica 68611-44-9	No	No	No
Polyglycol dioctanoate 18268-70-7	No	No	No
Propylene glycol 57-55-6	No	No	No
1-Acetyl-2-phenylhydrazine 114-83-0	No	No	No
Polyglycol dimethacrylate 25852-47-5	No	No	No
Saccharin 81-07-2	No	No	No

### Literature Referenced Target Organ & Other Health Effects

Hazardous components	Health Effects/Target Organs
Methacrylate ester Proprietary	Allergen, Irritant
Amorphous fumed silica 68611-44-9	No Target Organs
Polyglycol dioctanoate 18268-70-7	Irritant
Propylene glycol 57-55-6	Irritant
1-Acetyl-2-phenylhydrazine 114-83-0	Allergen, Blood, Kidney, Mutagen, Some evidence of carcinogenicity
Polyglycol dimethacrylate 25852-47-5	Allergen, Irritant
Saccharin 81-07-2	No Target Organs

## 12. ECOLOGICAL INFORMATION

Ecological information: Not available

## 13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

Recommended method of disposal: Dispose of according to Federal, State and local governmental regulations.

EPA hazardous waste number: Not hazardous

## 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

### Water Transportation (IMO/IMDG):

Proper shipping name: Unrestricted  
Hazard class or division: None  
Identification number: None  
Packing group: None  
Marine pollutant: None

## 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>	4-Methoxyphenol (150-76-5).
<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 chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372). Aromatic Methacrylate (CAS#10595-06-9).
<b>California Proposition 65:</b>	This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

### Canada Regulatory Information

<b>CEPA DSL/NDL Status:</b>	Contains one or more components listed on the Non-Domestic Substances list.
<b>WHMIS hazard class:</b>	D.2.B

## 16. OTHER INFORMATION

This material safety data sheet contains changes from the previous version in sections: 9

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