

HENKEL LOCTITE CORPORATION

02/23/03

ROCKY HILL, CONNECTICUT 06067
EMERGENCY PHONE: (860) 571-5100

MATERIAL SAFETY DATA SHEET

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Loctite(R) 271(TM) Threadlocker High Strength
27143

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Loctite(R) 271(TM) Threadlocker High Strength
 Item No.: 27143
 Product Type: Anaerobic

2. COMPOSITION, INFORMATION ON INGREDIENTS

Ingredients	CAS No.	%
Polyglycol dimethacrylate	25852-47-5	65-70
Bisphenol A fumarate resin	39382-25-7	20-25
Saccharin	81-07-2	3-5
CUMENE HYDROPEROXIDE*	80-15-9	1-3
N,N-Dialkyltoluidines	613-48-9	0.1-1

* This component is listed as a SARA Section 313 Toxic Chemical.

Ingredients which have exposure limits

Exposure Limits (TWA) Ingredients	ACGIH (TLV)	OSHA (PEL)	OTHER
CUMENE HYDROPEROXIDE	None	None	1ppm (6mg/m3) Skin (WEEL)

Exposure Limits (STEL) Ingredients	ACGIH (TLV)	OSHA (PEL)

3. HAZARDS IDENTIFICATION

Toxicity: Eye irritant.
 Estimated oral LD50 more than 5000mg/kg
 Estimated dermal LD50 more than 2000mg/kg

Primary Routes of Entry: None known

Signs and Symptoms
 of Exposure: May cause dermatitis on prolonged contact in sensitive individuals.

Existing Conditions

Aggravated by Exposure: None known

Ingredients	Literature Referenced Target Organ and Other Health Effects	Carcinogen NTP IARC OSHA
Polyglycol dimethacrylate	ALG IRR	NO NO NO
Bisphenol A fumarate resin	ALG IRR	NO NO NO
Saccharin	NTO	NO N/A NO

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3. HAZARDS IDENTIFICATION

(continued)

CUMENE HYDROPEROXIDE	ALG CNS COR IRR MUT	NO	NO	NO
N,N-Dialkyltoluidines	NTO	NO	NO	NO

Abbreviations

N/A Not Applicable	ALG Allergen
CNS Central nervous system	COR Corrosive
IRR Irritant	MUT Mutagen
NTO No Target Organs	

4. FIRST AID MEASURES

Ingestion:	Do not induce vomiting. Keep individual calm. Obtain medical attention.
Inhalation:	Does not apply
Skin Contact:	Flush with water.
Eye Contact:	Flush at least 15 minutes with water. Obtain medical attention.

5. FIRE FIGHTING MEASURES

Flash Point:	More than 200°F	Method:	Tag Closed Cup
Recommended Extinguishing Agents:	Carbon dioxide, foam, dry chemical		
Special Firefighting Procedures:	Not available		
Hazardous Products formed by Fire or Thermal Decomp	Irritating organic vapors		
Unusual Fire or Explosion Hazards:	None		
Explosive Limits:			
(% by volume in air)Lower	Not available		
(% by volume in air)Upper	Not available		

6. ACCIDENTAL RELEASE MEASURES

Steps to be taken in case of spill or leak:	Soak up in an inert absorbent. Store in a partly filled, closed container until disposal.
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7. HANDLING AND STORAGE

Safe Storage:	Store below 100 deg. F
(Contact Loctite Customer Service 1-800-243-4874 for shelf life information)	
Handling:	Avoid prolonged skin contact. Keep away from eyes.

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8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Eyes: Safety glasses or goggles.
Skin: Neoprene, rubber, or butyl rubber gloves.
Ventilation: Does not apply
Respiratory: Not available

See Section 2 for Exposure Limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Red liquid
Odor: Mild
Boiling Point: More than 300°F
pH: Does not apply
Solubility in Water: Slight
Specific Gravity: 1.10 at 80°F
Volatile Organic Compound
(EPA Method 24) 12.0%; 132 g/l
Vapor Pressure: Less than 5mm at 80°F
Vapor Density: Not available
Evaporation Rate
(Ether = 1) Not available

10. STABILITY AND REACTIVITY

Stability: Stable
Hazardous Polymerization: Will not occur
Incompatibility: None
Conditions to Avoid: Not available
Hazardous Decomposition
Products (non-thermal): None

11. TOXICOLOGICAL INFORMATION

See Section 3.

12. ECOLOGICAL INFORMATION

No data available

13. DISPOSAL CONSIDERATIONS

Recommended methods of disposal: Incinerate following EPA and local regulations.
EPA Hazardous Waste Number: NH - Not a RCRA Hazardous Waste Material

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14. TRANSPORTATION INFORMATION

DOT (49 CFR 172)

Domestic Ground Transport
Proper Shipping Name: Unrestricted
Hazard Class or
Division: Unrestricted
Identification Number: None
Marine Pollutant: None

IATA

Proper Shipping Name: Unrestricted
Class or Division: Unrestricted
UN or ID Number: None

15. REGULATORY INFORMATION

CA Proposition 65: No California Proposition 65 chemicals are known to be present.

16. OTHER INFORMATION

Estimated NFPA(R) Code:

Health Hazard: 1
Fire Hazard: 1
Reactivity Hazard: 1
Specific Hazard: Does not apply

Estimated HMIS(R) Code:

Health Hazard: 1
Flammability Hazard: 1
Reactivity Hazards: 1
Personal Protection: See Section 8.

NFPA is a registered trademark of the National Fire Protection Assn.
HMIS is a registered trademark of the National Paint and Coatings Assn.

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