



Revision Number: 000.0

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1. PRODUCT AND COMPANY IDENTIFICATION

Product name: Loctite Threadlocker Red 271 **IDH number:** 209741
Product type: Anaerobic Sealant **Region:** United States
Company address: **Contact information:**
 Henkel Corporation Telephone: 800.624.7767
 One Henkel Way MEDICAL EMERGENCY Phone: Poison Control Center
 Rocky Hill, Connecticut 06067 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 | HMIS: | HEALTH: *2 |
| Color: red | | FLAMMABILITY: 1 |
| Odor: Mild | | PHYSICAL HAZARD: 1 |
| | | Personal Protection: See MSDS Section 8 |

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 skin irritation. May cause allergic skin reaction.
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.

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

See Section 11 for additional toxicological information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

| Hazardous components | CAS NUMBER | % |
|----------------------------|------------|----------|
| Polyglycol dimethacrylate | 25852-47-5 | 60 - 100 |
| Bisphenol A fumarate resin | 39382-25-7 | 10 - 30 |
| Saccharin | 81-07-2 | 1 - 5 |
| Cumene hydroperoxide | 80-15-9 | 1 - 5 |

4. FIRST AID MEASURES

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

Skin contact: Remove contaminated clothing and footwear. Wash with soap and water. Wash clothing before reuse. If symptoms develop and persist, get medical attention.

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. Get medical attention.

5. FIRE FIGHTING MEASURES

Flash point: > 93.3 °C (> 199.94 °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 firefighting procedures: None

Unusual fire or explosion hazards: None

Hazardous combustion products: Oxides of carbon. Oxides of sulfur. Oxides of nitrogen. Irritating organic vapours.

6. ACCIDENTAL RELEASE MEASURES

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

Environmental precautions: Do not allow product to enter sewer or waterways.

Clean-up methods: 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

Handling: Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling.

Storage: 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, please review labels on container or check the Technical Data Sheet.

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 |
| Bisphenol A fumarate resin | None | None | None | None |
| Saccharin | None | None | None | None |
| Cumene hydroperoxide | None | None | 1 ppm (6 mg/m ³) TWA (SKIN) | None |

| | |
|--------------------------------|--|
| Engineering controls: | No specific ventilation requirements noted, but forced ventilation may still be required if concentrations exceed occupational exposure limits. |
| Respiratory protection: | If airborne concentrations are above the applicable exposure limits, use NIOSH approved respiratory protection. Use a NIOSH approved air-purifying respirator with an organic vapor cartridge. |
| Eye/face protection: | Safety goggles or safety glasses with side shields. |
| Skin protection: | Use impermeable gloves and protective clothing as necessary to prevent skin contact. Butyl rubber gloves. Natural rubber gloves. Neoprene gloves. |

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|--|
| Physical state: | Liquid |
| Color: | red |
| Odor: | Mild |
| Odor threshold: | Not available |
| pH: | Not applicable |
| Vapor pressure: | < 5 mm hg (26.7 °C (80.1 °F)) |
| Boiling point/range: | > 148.9 °C (> 300°F) |
| Melting point/ range: | Not available |
| Specific gravity: | 1.1 |
| Vapor density: | Not available |
| Flash point: | > 93.3 °C (> 199.94 °F) Tagliabue closed cup |
| Flammable/Explosive limits - lower: | Not available |
| Flammable/Explosive limits - upper: | Not available |
| Autoignition temperature: | Not available |
| Evaporation rate: | Not available |
| Solubility in water: | Slight |
| Partition coefficient (n-octanol/water): | Not available |
| VOC content: | 0.82 %; 7.81 g/l |

10. STABILITY AND REACTIVITY

| | |
|--|--|
| Stability: | Stable |
| Hazardous reactions: | Will not occur. |
| Hazardous decomposition products: | Phenolics. Oxides of sulfur. Oxides of carbon. Oxides of nitrogen. Irritating organic vapours. |
| Incompatible materials: | Strong oxidizing agents. Strong acids. Copper Iron. Strong reducing agents. Rust. |
| Conditions to avoid: | See "Handling and Storage" (Section 7) and "Incompatibility" (Section 10). |

11. TOXICOLOGICAL INFORMATION

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|---------------------------------------|-----------------------------|
| Acute oral product toxicity: | LD50 (rat) > 10,000 mg/kg |
| Acute dermal product toxicity: | LD50 (rabbit) > 5,000 mg/kg |

| Hazardous components | NTP Carcinogen | IARC Carcinogen | OSHA Carcinogen (Specifically Regulated) |
|----------------------------|----------------|-----------------|---|
| Polyglycol dimethacrylate | No | No | No |
| Bisphenol A fumarate resin | No | No | No |
| Saccharin | No | No | No |
| Cumene hydroperoxide | No | No | No |

| Hazardous components | Health Effects/Target Organs |
|----------------------------|--|
| Polyglycol dimethacrylate | Irritant, Allergen |
| Bisphenol A fumarate resin | No Target Organs |
| Saccharin | No Target Organs |
| Cumene hydroperoxide | Allergen, Central nervous system, Corrosive, Irritant, Mutagen |

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.

Hazardous waste number: Not a RCRA hazardous waste.

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.

U.S. Department of Transportation Ground (49 CFR)

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

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.

TSCA 12(b) Export Notification: None above reporting de minimus

CERCLA/SARA Section 302 EHS: None above reporting de minimus
Hydroquinone (CAS# 123-31-9).

CERCLA/SARA Section 311/312: Immediate Health, Delayed Health

CERCLA/SARA 313: 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). Cumene hydroperoxide (CAS# 80-15-9).
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). Saccharin (CAS# 81-07-2). Cumene hydroperoxide (CAS# 80-15-9).

CERCLA Reportable quantity: Saccharin (CAS# 81-07-2) 100 lbs. (45.4 kg)
Cumene hydroperoxide (CAS# 80-15-9) 10 lbs. (4.54 kg)

California Proposition 65: This product contains a chemical known in the State of California to cause cancer.

Canada Regulatory Information

CEPA DSL/NDL Status: All components are listed on or are exempt from listing on the Canadian Domestic Substances List.
WHMIS hazard class: D.2.B

16. OTHER INFORMATION

This material safety data sheet contains changes from the previous version in sections: 8

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