

LOCTITE®

Revision Number: 009.0

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1. PRODUCT AND COMPANY IDENTIFICATION

| | | | |
|------------------------------|---|---------------------|--------|
| Product name: | LOCTITE® 262™ THREADLOCKER HIGH STRENGTH | IDH number: | 231926 |
| Product use: | Anaerobic Sealant | Item number: | 26221 |
| | | Region: | Canada |
| Company address: | Contact information: | | |
| Henkel Canada Corporation | Telephone: 905.814.6511 | | |
| 2515 Meadowpine Boulevard | MEDICAL EMERGENCY Phone: Poison Control Center | | |
| Mississauga, Ontario L5N 6C3 | 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 | WHMIS hazard class: | D.2.A, D.2.B |
| Color: | Red | | |
| Odor: | Mild | | |

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

Relevant routes of exposure: Skin, Inhalation, Eyes, Respiratory system

Potential Health Effects

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|----------------------|--|
| 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 | % |
|----------------------------|------------|----------|
| 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 |
| N,N-Diethyl-p-toluidine | 613-48-9 | 1 - 5 |
| Cumene | 98-82-8 | 0.1 - 1 |

4. FIRST AID MEASURES

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

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| Skin contact: | Wash with soap and water. Remove contaminated clothing and footwear. 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: | If product is involved in fire extinguish with dry powder, foam or carbon dioxide. |
| Special firefighting procedures: | Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear. |
| Unusual fire or explosion hazards: | None |
| Hazardous combustion products: | Thermal decomposition can lead to release of irritating gases and vapors. Oxides of carbon. Oxides of nitrogen. |
| Sensitivity to Mechanical Impact: | Not available. |
| Sensitivity to static discharge: | 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.

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|-----------------------------------|--|
| Environmental precautions: | Do not allow product to enter sewer or waterways. |
| Clean-up methods: | Ensure adequate ventilation. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Scrape up spilled material and place in a closed container for disposal. |

7. HANDLING AND STORAGE

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| Handling: | Avoid contact with eyes, skin and clothing. Avoid breathing vapors or mists of this product. Wash thoroughly after handling. |
| Storage: | For safe storage, store between 0 °C (32°F) and 32 °C (89.6 °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 Canada Customer Service at 800-263-5043.

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 |
| N,N-Diethyl-p-toluidine | None | None | None | None |
| Cumene | 50 ppm TWA | 50 ppm (245 mg/m ³) PEL (SKIN) | None | None |

Engineering controls:

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

Respiratory protection:

Use a NIOSH approved supplied air respirator with an organic cartridge if the potential to exceed established exposure limits exists.

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. Natural rubber gloves. Neoprene gloves. Butyl rubber gloves.

9. PHYSICAL AND CHEMICAL PROPERTIES

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|---|--|
| Physical state: | Liquid |
| Color: | Red |
| Odor: | Mild |
| Odor threshold: | Not available. |
| pH: | Not applicable |
| Vapor pressure: | < 5 mm hg (27 °C (80.6 °F)) |
| Boiling point/range: | > 149 °C (> 300.2 °F) |
| Melting point/ range: | Not available. |
| Specific gravity: | 1.05 |
| 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 %; 0 g/l |

10. STABILITY AND REACTIVITY

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| Stability: | Stable |
| Hazardous reactions: | Will not occur. |
| Hazardous decomposition products: | Oxides of carbon. Oxides of sulfur. Oxides of nitrogen. Phenolics. Irritating organic vapours. |
| Incompatible materials: | Iron. Copper. Rust. Aluminum. Zinc. Reducing agents. Strong acids and oxidizing agents. Oxygen scavengers. Strong alkalis. |
| 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 |
| Toxicologically synergistic products: | Not available. |

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

| Hazardous Component(s) | 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 |
| N,N-Diethyl-p-toluidine | No | No | No |
| Cumene | No | Group 2B | No |

| Hazardous components | LD50s and LC50s | Health Effects/Target Organs |
|----------------------------|---|--|
| Polyglycol dimethacrylate | None | Allergen, Irritant |
| Bisphenol A fumarate resin | None | No Target Organs |
| Saccharin | None | No Target Organs |
| Cumene hydroperoxide | None | Allergen, Central nervous system, Corrosive, Irritant, Mutagen |
| N,N-Diethyl-p-toluidine | None | No Target Organs |
| Cumene | Oral LD50 (RAT) = 2,91 g/kg Oral LD50 (RAT) = 1,400 mg/kg Inhalation LC50 (RAT, 4 h) = 8,000 mg/l | Central nervous system, Irritant, Lung |

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/NDSL 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, 7, 8, 11 and 16

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: Diane Annis, Sr. Regulatory Affairs Specialist

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