



Revision Number: 001.0

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1. PRODUCT AND COMPANY IDENTIFICATION

Product name: LOCTITE 243 THREADLOCKER 50ML **IDH number:** 1329467
Product type: Anaerobic **Item number:** 1329467
Region: United States
Company address: **Contact information:**
 Henkel Corporation Telephone: 860.571.5100
 1001 Trout Brook Crossing Emergency telephone: 860.571.5100
 Rocky Hill, Connecticut 06067 Internet: www.henkelna.com

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Physical state: Liquid **HEALTH:** *2
Color: Blue **FLAMMABILITY:** 1
Odor: Characteristic **PHYSICAL HAZARD:** 1
Personal Protection: See MSDS Section 8

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

Relevant routes of exposure: Skin, Inhalation, 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. Pain and discomfort. Excess tearing.
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 | 10 - 30 |
| Tetramethylene dimethacrylate | 2082-81-7 | 10 - 30 |
| Hexanedioic acid, polymer with 1,3-butanediol, hexadecanoate | 68332-62-7 | 10 - 30 |
| 2,4,6-Triallyloxy-1,3,5-triazine | 101-37-1 | 5 - 10 |
| 2-[[2,2-bis[[1-(1-oxoallyloxy)methyl]butoxy]methyl]-2-ethyl-1,3-propanediyl diacrylate | 94108-97-1 | 1 - 5 |
| Amorphous fumed silica | 68611-44-9 | 1 - 5 |
| Propanediol-1,2 | 57-55-6 | 1 - 5 |
| Saccharin | 81-07-2 | 1 - 5 |
| polyamide resin | Proprietary | 1 - 5 |
| 1-Acetyl-2-phenylhydrazine | 114-83-0 | 0.1 - 1 |

4. FIRST AID MEASURES

| | |
|----------------------|---|
| Inhalation: | Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. If symptoms develop and persist, get medical attention. |
| 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

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|--|--|
| Flash point: | > 93 °C (> 199.4 °F) |
| 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: | 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. Oxides of sulfur. Oxides of nitrogen. Irritating organic fragments. |

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: | 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

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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 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 contact Henkel Customer Service at (800) 243-4874.

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 |
| Tetramethylene dimethacrylate | None | None | None | None |
| Hexanedioic acid, polymer with 1,3-butanediol, hexadecanoate | None | None | None | None |
| 2,4,6-Triallyloxy-1,3,5-triazine | None | None | None | None |
| 2-[[2,2-bis[[[(1-oxoallyl)oxy]methyl]butoxy]methyl]-2-ethyl-1,3-propanediyl diacrylate | None | None | None | None |
| Amorphous fumed silica | None | None | None | None |
| Propanediol-1,2 | None | None | 10 mg/m3 TWA Aerosol. | None |
| Saccharin | None | None | None | None |
| polyamide resin | None | None | None | None |
| 1-Acetyl-2-phenylhydrazine | None | None | None | None |

Engineering controls:

Local exhaust ventilation is recommended when general ventilation is not sufficient to control airborne contamination.

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. Neoprene, Butyl-rubber, or nitrile-rubber gloves.

9. PHYSICAL AND CHEMICAL PROPERTIES

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|---|-------------------------------|
| Physical state: | Liquid |
| Color: | Blue |
| Odor: | Characteristic |
| Odor threshold: | Not available |
| pH: | Not available |
| Vapor pressure: | < 0.1 mm hg (27 °C (80.6 °F)) |
| Boiling point/range: | > 149 °C (> 300.2 °F) |
| Melting point/ range: | Not available |
| Specific gravity: | 1.09 |
| Vapor density: | Not available |
| Flash point: | > 93 °C (> 199.4 °F) |
| 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: | Not available |

10. STABILITY AND REACTIVITY

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|--|---|
| Stability: | Stable |
| Hazardous reactions: | Will not occur. |
| Hazardous decomposition products: | Oxides of carbon. Oxides of nitrogen. Oxides of sulfur. Irritating organic fragments. |
| Incompatible materials: | Strong oxidizing agents. Reducing agents. Strong alkalis. Oxygen scavengers. Other polymerization initiators. Heavy metals. |
| Conditions to avoid: | See "Handling and Storage" (Section 7) and "Incompatibility" (Section 10). |

11. TOXICOLOGICAL INFORMATION

| Hazardous components | NTP Carcinogen | IARC Carcinogen | OSHA Carcinogen (Specifically Regulated) |
|---|----------------|-----------------|---|
| Polyglycol dimethacrylate | No | No | No |
| Tetramethylene dimethacrylate | No | No | No |
| Hexanedioic acid, polymer with 1,3-butanediol, hexadecanoate | No | No | No |
| 2,4,6-Triallyloxy-1,3,5-triazine | No | No | No |
| 2-[[2,2-bis[[1-(1-oxoallyl)oxy]methyl]butoxy]methyl]-2-ethyl-1,3-propanediyl diacrylate | No | No | No |
| Amorphous fumed silica | No | No | No |
| Propanediol-1,2 | No | No | No |
| Saccharin | No | No | No |
| polyamide resin | No | No | No |
| 1-Acetyl-2-phenylhydrazine | No | No | No |

| Hazardous components | Health Effects/Target Organs |
|---|--|
| Polyglycol dimethacrylate | Irritant, Allergen |
| Tetramethylene dimethacrylate | Irritant, Allergen |
| Hexanedioic acid, polymer with 1,3-butanediol, hexadecanoate | No Records |
| 2,4,6-Triallyloxy-1,3,5-triazine | No Target Organs |
| 2-[[2,2-bis[[1-(1-oxoallyl)oxy]methyl]butoxy]methyl]-2-ethyl-1,3-propanediyl diacrylate | No Data |
| Amorphous fumed silica | No Target Organs |
| Propanediol-1,2 | Irritant |
| Saccharin | No Target Organs |
| polyamide resin | No Records |
| 1-Acetyl-2-phenylhydrazine | 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.

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

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|--|---|
| 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 |
| CERCLA/SARA Section 311/312: | Immediate Health, Delayed Health |
| CERCLA/SARA 313: | None above reporting de minimus |
| CERCLA Reportable quantity: | Saccharin (CAS# 81-07-2) 100 lbs. (45.4 kg) |
| California Proposition 65: | This product contains a chemical known in the State of California to cause cancer. This product contains a chemical known to the State of California to cause birth defects or other reproductive harm. |

Canada Regulatory Information

| | |
|------------------------------|---|
| CEPA DSL/NDSL 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: New Material Safety Data Sheet format.

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