



Revision Number: 001.4

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**1. IDENTIFICATION**

<b>Product name:</b>	<b>Loctite 243 Threadlocker</b>	<b>IDH number:</b>	1330902
<b>Product type/</b>	Threadlocker	<b>Item number:</b>	1330902
<b>Recommended use:</b>		<b>Region:</b>	Canada
<b>Restriction of Use:</b>	Do not spray.	<b>Contact information:</b>	
<b>Company address:</b>	Henkel Canada Corporation Meadowpine Boulevard 2515 Mississauga, Ontario L5N 6C3	Telephone: +1 (905) 814-6511 MEDICAL EMERGENCY Phone: Poison Control Center 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 MEDICAL EMERGENCY Phone: Poison Control Center 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**

**WARNING:** H315 - CAUSES SKIN IRRITATION.  
H317 - MAY CAUSE AN ALLERGIC SKIN REACTION.  
H319 - CAUSES SERIOUS EYE IRRITATION.

HAZARD CLASS	HAZARD CATEGORY
SKIN IRRITATION	2
EYE IRRITATION	2A
SKIN SENSITIZATION	1

**PICTOGRAM(S)**



**Precautionary Statements**

<b>Prevention:</b>	P261 - Avoid breathing mist/vapours. P264 - Wash affected area thoroughly after handling. P272 - Contaminated work clothing should not be allowed out of the workplace.
<b>Response:</b>	P280 - Wear protective gloves, eye protection, and face protection. P302+P352 - IF ON SKIN: Wash with plenty of water. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P333+P313 - If skin irritation or rash occurs: Get medical attention. P337+P313 - If eye irritation persists: Get medical attention. P362+P364 - Take off contaminated clothing and wash it before reuse.
<b>Storage:</b>	Not prescribed
<b>Disposal:</b>	P501 - Dispose of contents and/or container according to Federal, State/Provincial and local governmental regulations.

IDH number: 1330902

Product name: Loctite 243 Threadlocker

**Other hazards** Not available.

Classification complies with Canadian Hazardous Products Regulations and is consistent with the provision of the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

See Section 11 for additional toxicological information.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Component(s)	CAS Number	Weight %*
Methacrylate resin	Proprietary	10 - 30
Polyurethane Methacrylate Resin	Proprietary	10 - 30
2,4,6-Triallyloxy-1,3,5-triazine	101-37-1	5 - 10
Polyglycol dimethacrylate	Proprietary	1 - 5
Silane, dichlorodimethyl-, reaction products with silica	68611-44-9	1 - 5
Ethene, homopolymer	9002-88-4	1 - 5
Methacrylate Ester	Proprietary	0.1 - 1
menthane, monohydroperoxy derivative	26762-92-5	0.1 - 1

\* Exact percentages may vary or are trade secret. Concentration range is provided to assist users in providing appropriate protections.

### 4. FIRST AID MEASURES

#### First Aid Measures by likely routes of exposure

<b>Inhalation:</b>	Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
<b>Skin contact:</b>	Immediately flush skin with plenty of water (using soap, if available). Remove contaminated clothing and footwear. Wash clothing before reuse. Get medical attention.
<b>Eye contact:</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.
<b>Ingestion:</b>	DO NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention.
<b>Most important symptoms and effects (acute and delayed):</b>	The most important known symptoms and effects, both acute and delayed, are described in Section 11: Toxicological Information.
<b>Indication of any immediate medical attention / special treatment needed:</b>	Not available.

### 5. FIRE FIGHTING MEASURES

<b>Extinguishing media:</b>	Water spray (fog), foam, dry chemical or carbon dioxide.
<b>Improper extinguishing agents:</b>	Not available.
<b>Special firefighting procedures:</b>	Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear. In case of fire, keep containers cool with water spray.
<b>Unusual fire or explosion hazards:</b>	Uncontrolled polymerization may occur at high temperatures resulting in explosions or rupture of storage containers.

**Hazardous combustion products:**

Oxides of carbon, oxides of nitrogen, irritating organic vapors.

## 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:**

Remove all sources of ignition. Evacuate and ventilate spill area; dike spill to prevent entry into water system; wear full protective equipment during clean-up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Scrape up as much material as possible. Store in a partly filled, closed container until disposal. Refer to Section 8 "Exposure Controls / Personal Protection" prior to clean up.

## 7. HANDLING AND STORAGE

**Handling:**

Use only with adequate ventilation. Product is intended to be applied via non-spray methods (e.g. dot or bead dispensing, squeeze, stick, non-spray hand pump). Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling. Keep container closed. Refer to Section 8.

**Storage:**

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 Component(s)	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
Silane, dichlorodimethyl-, reaction products with silica	3 mg/m <sup>3</sup> TWA Respirable particles. 10 mg/m <sup>3</sup> TWA Inhalable particles.	0.8 mg/m <sup>3</sup> TWA 20 MPPCF TWA 50 MPPCF TWA Total dust. 15 mg/m <sup>3</sup> TWA Total dust. 5 mg/m <sup>3</sup> TWA Respirable fraction. 15 MPPCF TWA Respirable fraction.	None	None
Ethene, homopolymer	10 mg/m <sup>3</sup> TWA Inhalable particles. 3 mg/m <sup>3</sup> TWA Respirable particles.	15 MPPCF TWA Respirable fraction. 15 mg/m <sup>3</sup> TWA Total dust. 50 MPPCF TWA Total dust. 5 mg/m <sup>3</sup> TWA Respirable fraction. 5 mg/m <sup>3</sup> PEL Respirable fraction. 15 mg/m <sup>3</sup> PEL Total dust.	None	None
methacrylic acid	20 ppm TWA	None	None	None

**Engineering controls:**

Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits.

<b>Respiratory protection:</b>	Use NIOSH approved respirator if there is potential to exceed exposure limit(s).
<b>Eye/face protection:</b>	Safety goggles or safety glasses with side shields. Full face protection should be used if the potential for splashing or spraying of product exists. Safety showers and eye wash stations should be available.
<b>Skin protection:</b>	Use chemical resistant, impermeable clothing including gloves and either an apron or body suit to prevent skin contact. Neoprene gloves.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state:</b>	liquid
<b>Color:</b>	Blue
<b>Odor:</b>	Acrylic, Mild
<b>Odor threshold:</b>	Not available.
<b>pH:</b>	Not applicable, Product is non-polar/aprotic.
<b>Vapor pressure:</b>	< 0.1 mm hg (27 °C (80.6 °F))
<b>Boiling point/range:</b>	> 150 °C (> 302°F)None
<b>Melting point/ range:</b>	Not applicable, Product is a liquid
<b>Density/Relative density:</b>	1.09 at 20 °C (68°F)
<b>Relative vapor density:</b>	1
<b>Flash point:</b>	> 100 °C (> 212°F) None
<b>Flammable/Explosive limits - lower:</b>	Not available.
<b>Flammable/Explosive limits - upper:</b>	Not available.
<b>Autoignition temperature:</b>	Not available.
<b>Flammability:</b>	non flammable
<b>Evaporation rate:</b>	Not available.
<b>Solubility:</b>	Slight Water
<b>Partition coefficient n-octanol/water (logarithmic value):</b>	Not available.
<b>VOC content:</b>	< 3 %
<b>Dynamic viscosity:</b>	1,300.0 - 3,000.0 mPa.s
<b>Kinematic viscosity:</b>	> 20.5 mm <sup>2</sup> /s
<b>Particle characteristics:</b>	Not applicable, Product is a liquid
<b>Decomposition temperature:</b>	Not available.

## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Stable under normal conditions of storage and use.
<b>Hazardous reactions:</b>	None under normal processing. Polymerization may occur at elevated temperature or in the presence of incompatible materials.
<b>Hazardous decomposition products:</b>	Oxides of carbon. Oxides of nitrogen. Irritating organic vapours.
<b>Incompatible materials:</b>	Strong oxidizing agents. Reducing agents. Peroxides. Heavy metals. Strong bases. Free radical initiators. Water. Strong acids. Copper alloys. Other polymerization initiators. Sulfur. Amines. Alcohols. Oxygen scavengers.
<b>Reactivity:</b>	Not available.
<b>Conditions to avoid:</b>	Elevated temperatures. Heat, flames, sparks and other sources of ignition. Store away from incompatible materials.

## 11. TOXICOLOGICAL INFORMATION

<b>Likely routes of exposure:</b>	Skin, Inhalation, Eyes, Ingestion
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**Potential Health Effects/Symptoms**

**Inhalation:** Inhalation of vapors or mists of the product may be irritating to the respiratory system.  
**Skin contact:** Causes skin irritation. May cause allergic skin reaction.  
**Eye contact:** Causes serious eye irritation.  
**Ingestion:** May cause gastrointestinal tract irritation if swallowed.

Hazardous Component(s)	LD50s and LC50s
Methacrylate resin	None
Polyurethane Methacrylate Resin	None
2,4,6-Triallyloxy-1,3,5-triazine	None
Polyglycol dimethacrylate	None
Silane, dichlorodimethyl-, reaction products with silica	None
Ethene, homopolymer	None
Methacrylate Ester	None
menthane, monohydroperoxy derivative	None

Hazardous Component(s)	Immediate Health Effects	Delayed Health Effects	Chronic Health Effects
Methacrylate resin	Irritant	Allergen	
Polyurethane Methacrylate Resin	Irritant	Allergen	
2,4,6-Triallyloxy-1,3,5-triazine			
Polyglycol dimethacrylate	Irritant	Allergen	
Silane, dichlorodimethyl-, reaction products with silica			
Ethene, homopolymer			
Methacrylate Ester			
menthane, monohydroperoxy derivative			

Hazardous Component(s)	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Methacrylate resin	No	No	No
Polyurethane Methacrylate Resin	No	No	No
2,4,6-Triallyloxy-1,3,5-triazine	No	No	No
Polyglycol dimethacrylate	No	No	No
Silane, dichlorodimethyl-, reaction products with silica	No	No	No
Ethene, homopolymer	No	No	No
Methacrylate Ester	No	No	No
menthane, monohydroperoxy derivative	No	No	No

**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 transport information provided in this section only applies to the material/formulation itself, and is not specific to any 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:** One or more components are not listed on, and are not exempt from listing on either the Domestic Substances List or the Non-Domestic Substances List.

**United States Regulatory Information**

**TSCA 8 (b) Inventory Status:** All components are listed as active or are exempt from listing on the Toxic Substances Control Act (TSCA) inventory.  
This product contains one or more components with a Low Volume Exemption (LVE) in accordance with 40 CFR 723.50. Quantities may be limited.

**16. OTHER INFORMATION**

**This safety data sheet contains changes from the previous version in sections:** 3,8,11

**Prepared by:** Product Safety and Regulatory Affairs

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