

(11243)

Material Safety Data Sheet



Revision Number: 002.3

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1. PRODUCT AND COMPANY IDENTIFICATION

Product name: Loctite(R) Silicone Lubricant Food Grade  
 Product use: Lubricant  
 Company address: Henkel Corporation  
 2515 Meadowpine Boulevard  
 Mississauga, Ontario L5N 6C3

IDH number: 209795  
 Item number: 81246  
 Region: Canada  
 Contact information:  
 Telephone: 905.814.6511  
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APPROVED MATERIAL  
 FEB 13 2014  
 MSDS # 11243  
 APPROVED BY *[Signature]*

2. HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW**

Physical state: Aerosol  
 Color: Clear  
 Odor: Petroleum

WHMIS hazard class: A, B.5, D.2.B

**DANGER:** EXTREMELY FLAMMABLE LIQUID AND VAPOR.  
 CONTENTS UNDER PRESSURE.  
 MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION.

Relevant routes of exposure: Skin, Inhalation, Eyes

Potential Health Effects

**Inhalation:** May cause respiratory tract irritation. Excessive inhalation of this material causes headache, dizziness, nausea and incoordination.

**Skin contact:** May cause skin irritation. Solvent action can dry and defat the skin, causing the skin to crack, leading to dermatitis.

**Eye contact:** Vapors may irritate eyes. Contact with eyes will cause irritation.

**Ingestion:** Not a likely route of entry. 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	%
Butane (< 0.1 % butadiene)	106-97-8	10 - 30
Naphtha, petroleum, heavy alkylate, <0.1% Benzene	64741-65-7	5 - 10
Propane	74-98-6	5 - 10
White mineral oil (petroleum), highly refined	8042-47-5	1 - 5

4. FIRST AID MEASURES

**Inhalation:** Move to fresh air. If symptoms persist, seek medical advice.

**Skin contact:** Wipe off with paper towel or cloth. Wash with soap and water. If adverse health effects develop seek medical attention.

**Eye contact:** Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

**Ingestion:** Do not induce vomiting. Keep individual calm. Never give anything by mouth to an unconscious person. Get medical attention.

## 5. FIRE FIGHTING MEASURES

**Flash point:** < -18 °C (< 0.4 °F)

**Flashback:** This product exhibits flashback when tested for flame extension.

**Flame projection:** 18.00 cm (7.09 inch)

**Autoignition temperature:** Not available.

**Flammable/Explosive limits - lower:** 1 %

**Flammable/Explosive limits - upper:** 9.5 %

**Extinguishing media:** Water spray (fog), 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:** Closed containers may rupture (due to build up of pressure) when exposed to extreme heat. Vapor accumulation can flash or explode if ignited.

**Hazardous combustion products:** Oxides of carbon. Oxides of silicon.

**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.

**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). Keep in suitable and closed containers for disposal.

## 7. HANDLING AND STORAGE

**Handling:** Keep away from heat, spark and flame. Vapors will accumulate readily and may ignite explosively. During use and until all vapors are gone: Keep area ventilated - do not smoke; extinguish all flames, pilot lights, and heaters; turn off stoves, electrical tools and appliances, and any other sources of ignition.

**Storage:** Do not puncture, incinerate, or expose to temperatures above 48.9 °C (120 °F). Heat from sunlight, radiators, stoves, hot water, and other heat sources could cause container to burst.

**Shelf Life Statement:** Not available.

## 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
Butane (< 0.1 % butadiene)	1,000 ppm STEL	None	None	None
Naphtha, petroleum, heavy alkylate, <0.1% Benzene	5 mg/m3 TWA	5 mg/m3 TWA	None	None
Propane	Included in the regulation but with no data values. See regulation for further details	1,000 ppm (1,800 mg/m3) PEL	None	None
White mineral oil (petroleum), highly refined	5 mg/m3 TWA Inhalable fraction.	5 mg/m3 TWA mist 5 mg/m3 PEL Mist.	None	None

<b>Engineering controls:</b>	Handle in accordance with good industrial hygiene and safety practice in case of insufficient ventilation, wear suitable respiratory equipment.
<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.
<b>Skin protection:</b>	Use impermeable gloves and protective clothing as necessary to prevent skin contact.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state:</b>	Aerosol
<b>Color:</b>	Clear
<b>Odor:</b>	Petroleum
<b>Odor threshold:</b>	Not available.
<b>pH:</b>	Not available.
<b>Vapor pressure:</b>	Not available.
<b>Boiling point/range:</b>	Not available.
<b>Melting point/ range:</b>	Not available.
<b>Specific gravity:</b>	0.81
<b>Vapor density:</b>	Not available.
<b>Flash point:</b>	< -18 °C (< 0.4 °F)
<b>Flashback:</b>	This product exhibits flashback when tested for flame extension.
<b>Flame projection:</b>	18.00 cm (7.09 inch)
<b>Flammable/Explosive limits - lower:</b>	1 %
<b>Flammable/Explosive limits - upper:</b>	9.5 %
<b>Autoignition temperature:</b>	Not available.
<b>Evaporation rate:</b>	Not available.
<b>Solubility in water:</b>	Not available.
<b>Partition coefficient (n-octanol/water):</b>	Not available.
<b>VOC content:</b>	Not available.

## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Stable
<b>Hazardous reactions:</b>	Will not occur.
<b>Hazardous decomposition products:</b>	Oxides of carbon. Oxides of silicon. Irritating organic fragments.
<b>Incompatible materials:</b>	Strong oxidizing agents. Acids and bases. Avoid contact with flammable materials.
<b>Conditions to avoid:</b>	Keep away from heat, ignition sources and incompatible materials.

## 11. TOXICOLOGICAL INFORMATION

<b>Toxicologically synergistic products:</b>	Not available.
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Refer to the following for Irritancy of Product, Sensitization to Product, Carcinogenicity, Reproductive Toxicity, Teratogenicity, and Mutagenicity.

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)	ACGIH Carcinogen
Butane (< 0.1 % butadiene)	No	No	No	No
Naphtha, petroleum, heavy alkylate, <0.1% Benzene	No	No	No	No
Propane	No	No	No	No
White mineral oil (petroleum), highly refined	No	No	No	Group A4

Hazardous components	LD50s and LC50s	Health Effects/Target Organs
Butane (< 0.1 % butadiene)	Inhalation LC50 (RAT, 4 h) = 658 mg/l	Cardiac, Central nervous system, Irritant
Naphtha, petroleum, heavy alkylate, <0.1% Benzene	None	Irritant
Propane	Inhalation LC50 (RAT, 15 min) = 1,464 mg/l Inhalation LC50 (RAT, 15 min) = 1,442.847 mg/l	Cardiac, Central nervous system, Irritant
White mineral oil (petroleum), highly refined	None	Irritant

## 12. ECOLOGICAL INFORMATION

### Ecological information:

No specific studies have been conducted by Henkel on the ecotoxicity or environmental fate of this material; however, commonly available data on the material indicate that uncontrolled releases to soil, ground water, or surface waters could entail acute and/or chronic ecological effects, depending on the quantity and concentration of such releases. Releases of volatile components to the atmosphere are not believed to entail significant ecological consequences provided such releases are within the exposure levels set forth in this document. Accordingly, all appropriate measures should be taken to avoid uncontrolled releases to the environment, and any spills or other uncontrolled releases which may occur should be contained and cleaned up immediately in accordance with Section 6.

## 13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

### Recommended method of disposal:

Depressurize cans. Do not incinerate. Dispose of according to Federal, State and local governmental regulations.

## 14. TRANSPORT INFORMATION

### Canada Transportation of Dangerous Goods - Ground

Proper shipping name: AEROSOLS  
Hazard class or division: 2.1  
Identification number: UN 1950  
Packing group: None

### International Air Transportation (ICAO/IATA)

Proper shipping name: Aerosols, flammable  
Hazard class or division: 2.1  
Identification number: UN 1950  
Packing group: None

**Water Transportation (IMO/IMDG)**

Proper shipping name:	AEROSOLS
Hazard class or division:	2.1
Identification number:	UN 1950
Packing group:	None

**15. REGULATORY INFORMATION**

**Canada Regulatory Information**

**CEPA DSL/NDL 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: New Material Safety Data Sheet format.

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: Lou Fabrizio, Regulatory Affairs Specialist

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