



Revision Number: 001.0

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**1. PRODUCT AND COMPANY IDENTIFICATION**

**Product name:** LOCTITE LB 8421 GEAR/CHAIN LUBE **IDH number:** 1906177  
**Product type:** Lubricant / lubricating oil **Item number:** 1906177  
**Region:** United States **Contact information:**  
**Company address:** Henkel Corporation Telephone: 860.571.5100  
 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:** Aerosol **HMIS:**  
**Color:** Pale yellow **HEALTH:** \*1  
**Odor:** Aliphatic **FLAMMABILITY:** 4  
**PHYSICAL HAZARD:** 0  
**Personal Protection:** Not available.

**DANGER:** EXTREMELY FLAMMABLE LIQUID AND VAPOR.  
 VAPOR MAY CAUSE FLASH FIRE.  
 CONTENTS UNDER PRESSURE.  
 ASPIRATION HAZARD IF SWALLOWED.  
 CAN ENTER LUNGS AND CAUSE DAMAGE.  
 CAUSES EYE AND RESPIRATORY TRACT IRRITATION.  
 MAY CAUSE SKIN IRRITATION.

**Relevant routes of exposure:** Skin, Inhalation, Eyes, Ingestion

**Potential Health Effects**

**Inhalation:** Causes respiratory tract irritation. May cause central nervous system effects with nausea, dizziness and headache. Extreme overexposure may result in unconsciousness and possibly death.  
**Skin contact:** Prolonged and/or repeated skin contact with this product may cause irritation.  
**Eye contact:** Causes eye irritation.  
**Ingestion:** Ingestion of larger amounts may cause defects to the central nervous system (e.g. dizziness, headache). Aspiration may occur during swallowing or vomiting, resulting in lung damage.

**Existing conditions aggravated by exposure:** Skin disorders. 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	%
Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	60 - 100
Naphtha (petroleum), heavy alkylate, <0.1% benzene	64741-65-7	10 - 30
Propane	74-98-6	5 - 10
Butane (< 0.1 % butadiene)	106-97-8	5 - 10

#### 4. FIRST AID MEASURES

<b>Inhalation:</b>	Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. If symptoms develop and persist, get medical attention.
<b>Skin contact:</b>	Immediately flush skin with plenty of water (using soap, if available). Remove contaminated clothing and footwear. If symptoms develop and persist, get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.
<b>Eye contact:</b>	Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.
<b>Ingestion:</b>	Do not induce vomiting: contains petroleum distillates and/or aromatic solvents. Never give anything by mouth to an unconscious person. If vomiting occurs, prevent aspiration by keeping the patient's head below the knees. Get medical attention.

#### 5. FIRE FIGHTING MEASURES

<b>Flash point:</b>	-20 °C (-4°F) Estimated
<b>Autoignition temperature:</b>	Not available.
<b>Flammable/Explosive limits - lower:</b>	1 %
<b>Flammable/Explosive limits - upper:</b>	9.5 %
<b>Extinguishing media:</b>	Foam, dry chemical or carbon dioxide.
<b>Special firefighting procedures:</b>	Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.
<b>Unusual fire or explosion hazards:</b>	Contents under pressure. Vapors may form explosive mixtures with air. Closed containers may rupture (due to build up of pressure) when exposed to extreme heat. In case of fire, keep containers cool with water spray. Do not puncture or incinerate pressurized containers. Do not handle or store near an open flame, heat or other sources of ignition. Hydrocarbon solvents are basically non-conductors of electricity and can become electrostatically charged during mixing, filtering or pumping at high flow rates. If this charge reaches a significantly high level, sparks can form that may ignite vapors of flammable liquids.
<b>Hazardous combustion products:</b>	Oxides of carbon.

#### 6. ACCIDENTAL RELEASE MEASURES

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

<b>Environmental precautions:</b>	Do not allow product to enter sewer or waterways. Advise authorities if product has entered or may enter sewers, water sources or extensive land areas. This product is insoluble in water and will float on surface.
<b>Clean-up methods:</b>	Remove all sources of ignition. Ensure adequate ventilation. Wear appropriate personal protective equipment. Refer to Section 8 "Exposure Controls / Personal Protection" prior to clean up. 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:** Keep away from heat, spark and flame. 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. Do not puncture or incinerate pressurized containers. Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling. Do not taste or swallow. Use only with adequate ventilation.

**Storage:** Keep in a cool, well ventilated area. Keep away from heat, spark and flame. Do not puncture, incinerate, or expose to temperatures above 48.9 °C (120 °F). Protect from direct sunlight.

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
Distillates (petroleum), hydrotreated heavy naphthenic	5 mg/m3 TWA mist 10 mg/m3 STEL mist	5 mg/m3 TWA mist 500 ppm (2,000 mg/m3) PEL 5 mg/m3 PEL Mist.	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
Butane (< 0.1 % butadiene)	1,000 ppm STEL	None	None	None
Barium sulfate	10 mg/m3 TWA	5 mg/m3 PEL Respirable fraction. 15 mg/m3 PEL Total dust.	None	None

**Engineering controls:** Use explosion-proof mechanical ventilation and local exhaust to control contaminants to within their occupational exposure limits during the use of this product.

**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. Full face protection should be used if the potential for splashing or spraying of product exists.

**Skin protection:** Use chemical resistant, impermeable clothing including gloves and either an apron or body suit to prevent skin contact.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical state:** Aerosol  
**Color:** Pale yellow  
**Odor:** Aliphatic  
**Odor threshold:** Not available.  
**pH:** Not available.  
**Vapor pressure:** Not available.  
**Boiling point/range:** 0 - 412 °F (-17.8 - 211.1 °C)  
**Melting point/ range:** Not available.  
**Specific gravity:** 0.82  
**Vapor density:** Not available.  
**Flash point:** -20 °C (-4°F) Estimated

**Flammable/Explosive limits - lower:** 1 %  
**Flammable/Explosive limits - upper:** 9.5 %  
**Autoignition temperature:** Not available.  
**Evaporation rate:** Not available.  
**Solubility in water:** Not available.  
**Partition coefficient (n-octanol/water):** Not available.  
**VOC content:** Not available.

## 10. STABILITY AND REACTIVITY

**Stability:** Stable under normal conditions of storage and use.  
**Hazardous reactions:** None under normal processing.  
**Hazardous decomposition products:** Oxides of carbon.  
**Incompatible materials:** None known  
**Conditions to avoid:** Keep away from heat, ignition sources and incompatible materials. Vapors may form explosive mixtures with air. Do not puncture, incinerate, or expose to temperatures above 48.9 °C (120 °F). Protect from direct sunlight.

## 11. TOXICOLOGICAL INFORMATION

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Distillates (petroleum), hydrotreated heavy naphthenic	No	No	No
Naphtha (petroleum), heavy alkylate, <0.1% benzene	No	No	No
Propane	No	No	No
Butane (< 0.1 % butadiene)	No	No	No
Barium sulfate	No	No	No

Hazardous components	Health Effects/Target Organs
Distillates (petroleum), hydrotreated heavy naphthenic	Irritant
Naphtha (petroleum), heavy alkylate, <0.1% benzene	Irritant
Propane	Cardiac, Central nervous system, Irritant
Butane (< 0.1 % butadiene)	Cardiac, Central nervous system, Irritant
Barium sulfate	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. Do not puncture or incinerate pressurized containers.

**Hazardous waste number:** D001: Ignitable.

## 14. TRANSPORT INFORMATION

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

**Proper shipping name:** Aerosols, flammable  
**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

### 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 minimis  
**CERCLA/SARA Section 302 EHS:** None above reporting de minimis  
**CERCLA/SARA Section 311/312:** Fire, Pressure, Immediate Health, Delayed Health  
**CERCLA/SARA Section 313:** None above reporting de minimis  
**California Proposition 65:** No California Proposition 65 listed chemicals are known to be present.

### 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:** A, B.5, D.2.B

## 16. OTHER INFORMATION

This material safety data sheet contains changes from the previous version in sections: First issue.

**Prepared by:** Rena Petrides, Regulatory Affairs Specialist

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