



Revision Number: 005.0

Issue date: 04/08/2025

1. IDENTIFICATION

Product name:	LOCTITE LB 8529 LITHIUM GREASE	IDH number:	1906122
	known as LB 8529 LITHIUM GREASE		
Product type/	Lubricant	Item number:	1906122
Recommended use:			
Restriction of Use:	None identified	Region:	Canada
Company address:		Contact information:	
Henkel Canada Corporation		Telephone: +1 (905) 814-6511	
Meadowpine Boulevard 2515		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	
		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

DANGER: H222 - EXTREMELY FLAMMABLE AEROSOL.
H229 - PRESSURIZED CONTAINER: MAY BURST IF HEATED.
H304 - MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS.

HAZARD CLASS	HAZARD CATEGORY
AEROSOL	1
ASPIRATION HAZARD	1

PICTOGRAM(S)



Precautionary Statements

Prevention:	P210 - Keep away from heat, sparks, open flames, hot surfaces - no smoking. P211 - Do not spray on an open flame or other ignition source. P251 - Do not pierce or burn, even after use.
Response:	P301+P310 - IF SWALLOWED: Immediately call a physician or poison control center.
Storage:	P331 - Do NOT induce vomiting. P405 - Store locked up.
Disposal:	P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. P501 - Dispose of contents and/or container according to Federal, State/Provincial and local governmental regulations.

IDH number: 1906122

Product name: LOCTITE LB 8529 LITHIUM GREASE known as LB 8529 LITHIUM GREASE

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 %*
propane	74-98-6	10 - 30
Distillates (petroleum), hydrotreated light	64742-47-8	10 - 30
Naphtha, petroleum, hydrotreated light	64742-49-0	5 - 10
Zinc oxide	1314-13-2	5 - 10
n-Heptane	142-82-5	1 - 5
Titanium dioxide	13463-67-7	1 - 5

* 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

Inhalation:	Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. If symptoms develop and persist, get medical attention.
Skin contact:	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.
Eye contact:	Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.
Ingestion:	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.
Most important symptoms and effects (acute and delayed):	The most important known symptoms and effects, both acute and delayed, are described in Section 11: Toxicological Information.
Indication of any immediate medical attention / special treatment needed:	Not available.

5. FIRE FIGHTING MEASURES

Extinguishing media:	Foam, dry chemical or carbon dioxide.
Improper extinguishing agents:	Not available.
Special firefighting procedures:	Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.

Unusual fire or explosion hazards:

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.

Hazardous combustion products:

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.

Environmental precautions:

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.

Clean-up methods:

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.

Storage:

For safe storage, store between -20 °C (-4°F) and 50 °C (122°F). Keep in a cool, well ventilated area. Keep away from heat, spark and flame. Protect from direct sunlight. Outside temperature limits, the properties of the product will change.

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
propane	D: Simple asphyxiant, EX: Explosion hazard (Simple asphyxiant.)	1,000 ppm (1,800 mg/m3) PEL	None	None
Distillates (petroleum), hydrotreated light	5 mg/m3 TWA Inhalable fraction.	None	None	None
Naphtha, petroleum, hydrotreated light	100 ppm TWA (SKIN)	100 ppm (400 mg/m3) PEL	None	None
Zinc oxide	2 mg/m3 TWA Respirable fraction. 10 mg/m3 STEL Respirable fraction.	5 mg/m3 PEL Fume. 5 mg/m3 PEL Respirable fraction. 15 mg/m3 PEL Total dust. 15 mg/m3 TWA Total dust. 5 mg/m3 TWA Respirable fraction. 15 MPPCF TWA Respirable fraction. 50 MPPCF TWA Total dust.	None	None
n-Heptane	400 ppm TWA 500 ppm STEL	500 ppm (2,000 mg/m3) PEL	None	None
Titanium dioxide	0.2 mg/m3 TWA Respirable nanoscale particles 2.5 mg/m3 TWA Respirable finescale particles	15 mg/m3 PEL Total dust. 15 MPPCF TWA Respirable fraction. 15 mg/m3 TWA Total dust. 50 MPPCF TWA Total dust. 5 mg/m3 TWA Respirable fraction.	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:	No information available.
Odor:	Of hydrocarbons
Odor threshold:	Not available.
pH:	Not available.
Vapor pressure:	3.30948 - 3.58527 bar (20 °C (68°F))
Boiling point/range:	7 °C (44.6 °F)
Melting point/ range:	Not available.
Density/Relative density:	0.910
Relative vapor density:	Not available.
Flash point:	-104 °C (-155.2 °F)
Flammable/Explosive limits - lower:	0.6 %
Flammable/Explosive limits - upper:	15.2 %
Autoignition temperature:	Not available.

Flammability:	Extremely flammable aerosol.
Evaporation rate:	Not available.
Solubility:	Not available.
Partition coefficient n-octanol/water (logarithmic value):	Not available.
VOC content:	24.45 %
Dynamic viscosity:	Not available.
Kinematic viscosity:	Not available.
Particle characteristics:	Not available.
Decomposition temperature:	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:	Oxidizing agents.
Reactivity:	Not available.
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

Likely routes of exposure:	Skin, Inhalation, Eyes, Ingestion
-----------------------------------	-----------------------------------

Potential Health Effects/Symptoms

Inhalation:	May cause 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:	May cause skin irritation.
Eye contact:	May cause 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.

Hazardous Component(s)	LD50s and LC50s
propane	Inhalation LC50 (Rat, 4 h) = > 13023 ppm Inhalation LC50 (Rat, 4 h) = > 13023 ppm
Distillates (petroleum), hydrotreated light	Inhalation LC50 (Rat, 4 h) = > 4.6 mg/l Inhalation LC50 (Rat, 4 h) = > 4.3 mg/l Inhalation LC50 (Rat, 4 h) = > 4.5 mg/l Inhalation LC50 (Rat, 4 h) = > 5.68 mg/l Inhalation LC50 (Rat, 4 h) = > 5.3 mg/l Inhalation LC50 (Rat, 4 h) = > 5.28 mg/l Inhalation LC50 (Rat, 4 h) = > 5.2 mg/l Inhalation LC50 (Rat, 4 h) = > 6.03 mg/l
Naphtha, petroleum, hydrotreated light	Inhalation LC50 (Rat, 4 h) = > 5,610 mg/m3 Inhalation LC50 (Rat, 4 h) = > 7,630 mg/m3
Zinc oxide	Oral LD50 (Mouse) = 7,950 mg/kg Oral LD50 (Rat) = > 5 g/kg Inhalation LC50 (Rat, 4 h) = > 5,700 mg/m3
n-Heptane	Inhalation LC50 (Rat, 4 h) = > 73.5 mg/l Inhalation LC50 (Rat, 4 h) = > 29.29 mg/l
Titanium dioxide	Inhalation LC50 (Rat, 4 h) = > 6.82 mg/l Inhalation LC50 (Rat, 4 h) = > 2.28 mg/l Inhalation LC50 (Rat, 4 h) = > 3.56 mg/l

Hazardous Component(s)	Immediate Health Effects	Delayed Health Effects	Chronic Health Effects
propane	Irritant		Cardiac Central nervous system
Distillates (petroleum), hydrotreated light	Irritant		
Naphtha, petroleum, hydrotreated light	Irritant		Central nervous system Kidney Lung
Zinc oxide	Irritant		Blood Gastrointestinal Immune system Kidney Metabolic Nervous System Pancreas Respiratory Skin
n-Heptane	Irritant		Central nervous system
Titanium dioxide	Irritant		Respiratory Some evidence of carcinogenicity

Hazardous Component(s)	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
propane	No	No	No
Distillates (petroleum), hydrotreated light	No	No	No
Naphtha, petroleum, hydrotreated light	No	No	No
Zinc oxide	No	No	No
n-Heptane	No	No	No
Titanium dioxide	No	Group 2B	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. Do not puncture or incinerate pressurized containers.

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: 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 (petroleum hydrocarbons)
Hazard class or division: 2.1
Identification number: UN 1950
Packing group: None
Marine pollutant: petroleum hydrocarbons

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 as active or are exempt from listing on the Toxic Substances Control Act (TSCA) inventory.

16. OTHER INFORMATION

This safety data sheet contains changes from the previous version in sections: 2,3,8,9,11

Prepared by: Product Safety and Regulatory Affairs

Issue date: 04/08/2025

DISCLAIMER: The data contained herein are furnished for information only and are believed to be reliable. However, Henkel Corporation and its affiliates ("Henkel") does not assume responsibility for any results obtained by persons over whose methods Henkel has no control. It is the user's responsibility to determine the suitability of Henkel's products or any production methods mentioned herein for a particular purpose, and to adopt such precautions as may be advisable for the protection of property and persons against any hazards that may be involved in the handling and use of any Henkel's products. In light of the foregoing, Henkel specifically disclaims all warranties, express or implied, including warranties of merchantability and fitness for a particular purpose, arising from sale or use of Henkel's products. Henkel further disclaims any liability for consequential or incidental damages of any kind, including lost profits.

This Safety Data Sheet has been generated based on the Canadian Hazardous Products Regulations (WHMIS 2015) and provides information in accordance with Canadian law only. No warranty or representation of any kind is given with respect to the substantive or export laws of any other jurisdiction or country. Please confirm that the information provided herein conforms to the substantive export or other law of any other jurisdiction prior to export. Please contact Henkel Product Safety and Regulatory Affairs for additional assistance.