

# Safety Data Sheet



Revision Number: 008.0

Issue date: 04/21/2025

## 1. IDENTIFICATION

**Product name:** LOCTITE LB 8151 AE known as  
LOCTITE® SILVER GRADE ANTI-SEI  
**Product type/** Lubricant  
**Recommended use:**  
**Restriction of Use:** None identified  
**Company address:**  
Henkel Corporation  
One Henkel Way  
Rocky Hill, Connecticut 06067

**IDH number:** 135541  
**Item number:** 76759  
**Region:** United States  
**Contact information:**  
Telephone: +1 (860) 571-5100  
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

**DANGER:** H222 - EXTREMELY FLAMMABLE AEROSOL.  
H229 - PRESSURIZED CONTAINER: MAY BURST IF HEATED.  
H304 - MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS.  
H315 - CAUSES SKIN IRRITATION.  
H318 - CAUSES SERIOUS EYE DAMAGE.  
H336 - MAY CAUSE DROWSINESS OR DIZZINESS.  
H361 - SUSPECTED OF DAMAGING FERTILITY OR THE UNBORN CHILD.

HAZARD CLASS	HAZARD CATEGORY
AEROSOL	1
SKIN IRRITATION	2
SERIOUS EYE DAMAGE	1
REPRODUCTIVE TOXICITY	2
SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE	3
ASPIRATION HAZARD	1

### PICTOGRAM(S)



### Precautionary Statements

**Prevention:** P201 - Obtain special instructions before use.  
P202 - Do not handle until all safety precautions have been read and understood.  
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.  
P261 - Avoid breathing mist or spray.  
P264 - Wash affected area thoroughly after handling.  
P271 - Use only outdoors or in a well-ventilated area.  
P280 - Wear protective gloves, clothing, eye and face protection.

**Response:** P301+P310 - IF SWALLOWED: Immediately call a physician or poison control center.  
P302+P352 - IF ON SKIN: Wash with plenty of water.  
P304+P340+P312 - IF INHALED: Remove victim to fresh air and keep at rest in a position

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comfortable for breathing. Call a POISON CENTER or physician if you feel unwell.  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P308+P313 - IF exposed or concerned: Get medical attention.  
P331 - Do NOT induce vomiting.  
P332+P313 - If skin irritation occurs: Get medical attention.  
P362+P364 - Take off contaminated clothing and wash it before reuse.  
P403+P233 - Store in a well-ventilated place. Keep container tightly closed.  
P405 - Store locked up.  
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.

**Storage:**

**Disposal:**

**Other hazards** Not available.

Classification complies with OSHA Hazard Communication Standard (29 CFR 1910.1200) and is consistent with the provisions 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 %*
Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	10 - 30
acetone	67-64-1	10 - 30
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics	64742-49-0	10 - 30
propane	74-98-6	5 - 10
butane	106-97-8	5 - 10
Graphite	7782-42-5	5 - 10
Calcium oxide	1305-78-8	5 - 10
Aluminum not powder, dust or fume	7429-90-5	1 - 5
Cyclohexane	110-82-7	1 - 5
White mineral oil (petroleum)	8042-47-5	1 - 5
Quartz (SiO2) respirable particulates (RCS) >=10%	14808-60-7	0.1 - 1
n-Hexane	110-54-3	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**

**Inhalation:** Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

**Skin contact:** Remove contaminated clothing and footwear. Wash with soap and water. If symptoms develop and persist, get medical attention. Wash clothing before reuse.

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

**Ingestion:** Do not induce vomiting. Never give anything by mouth to an unconscious person. 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.

<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>	Contents under pressure. Do not handle or store near an open flame, heat or other sources of ignition. Do not puncture or incinerate pressurized containers. Exposure to temperatures above 49°C (120°F) may cause container to burst.
<b>Hazardous combustion products:</b>	Oxides of carbon. Toxic and irritating vapors.

## 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.
<b>Clean-up methods:</b>	Remove all sources of ignition. Ensure adequate ventilation. Keep unnecessary personnel away. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Scrape up spilled material and place in a closed container for disposal. Refer to Section 8 "Exposure Controls / Personal Protection" prior to clean up.

## 7. HANDLING AND STORAGE

<b>Handling:</b>	Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling. Vapors will accumulate readily and may ignite explosively. Refer to Section 8.
<b>Storage:</b>	Keep in a cool, well ventilated area away from heat, sparks and open flame. Keep container tightly closed until ready for use. Do not puncture, incinerate, or expose to temperatures above 48.9 °C (120 °F).

**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 Component(s)	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
Distillates (petroleum), hydrotreated heavy naphthenic	5 mg/m <sup>3</sup> TWA Inhalable fraction.	5 mg/m <sup>3</sup> PEL Mist. 500 ppm (2,000 mg/m <sup>3</sup> ) PEL	None	None
acetone	250 ppm TWA 500 ppm STEL	1,000 ppm (2,400 mg/m <sup>3</sup> ) PEL	None	None
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics	100 ppm TWA (SKIN)	100 ppm (400 mg/m <sup>3</sup> ) PEL	None	None
propane	D: Simple asphyxiant, EX: Explosion hazard (Simple asphyxiant.)	1,000 ppm (1,800 mg/m <sup>3</sup> ) PEL	None	None
butane	1,000 ppm STEL (Simple asphyxiant.)	None	None	None
Graphite	2 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. 5 mg/m <sup>3</sup> PEL Respirable fraction. 15 mg/m <sup>3</sup> PEL Total dust.	None	None
Calcium oxide	2 mg/m <sup>3</sup> TWA	5 mg/m <sup>3</sup> PEL	None	None
Aluminum not powder, dust or fume	1 mg/m <sup>3</sup> TWA Respirable fraction.	None	None	None
Cyclohexane	100 ppm TWA	300 ppm (1,050 mg/m <sup>3</sup> ) PEL	None	None
White mineral oil (petroleum)	5 mg/m <sup>3</sup> TWA Inhalable fraction.	5 mg/m <sup>3</sup> PEL Mist.	None	None
Quartz (SiO <sub>2</sub> ) respirable particulates (RCS) >=10%	0.025 mg/m <sup>3</sup> TWA Respirable fraction.	0.05 mg/m <sup>3</sup> TWA (Respirable dust.) (Respirable dust.) 0.025 mg/m <sup>3</sup> OSHA ACT (Respirable dust.) 0.05 mg/m <sup>3</sup> PEL Respirable dust. 2.4 MPPCF TWA Respirable 0.1 mg/m <sup>3</sup> TWA Respirable	None	None

<b>Engineering controls:</b>	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 impermeable gloves and protective clothing as necessary to prevent skin contact.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state:</b>	Aerosol, Liquid
<b>Color:</b>	Silver
<b>Odor:</b>	Mild, Petroleum
<b>Odor threshold:</b>	Not available.
<b>pH:</b>	Not available.
<b>Vapor pressure:</b>	Not available.
<b>Boiling point/range:</b>	0 - 212 °F (-17.8 - 100°C)

<b>Melting point/ range:</b>	Not available.
<b>Density/Relative density:</b>	0.77
<b>Relative vapor density:</b>	Not available.
<b>Flash point:</b>	< -18 °C (< 0.4 °F) ; (value for propellant).
<b>Flame projection:</b>	122.00 cm (48.03 inch)
<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>	Extremely flammable aerosol.
<b>Evaporation rate:</b>	Not available.
<b>Solubility:</b>	Not available. Water
<b>Partition coefficient n-octanol/water (logarithmic value):</b>	Not available.
<b>VOC content:</b>	42 %; 323 g/l
<b>Dynamic viscosity:</b>	Not available.
<b>Kinematic viscosity:</b>	Not available.
<b>Particle characteristics:</b>	Not available.
<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>	Will not occur.
<b>Hazardous decomposition products:</b>	Oxides of carbon. Oxides of sulfur. Irritating organic vapours.
<b>Incompatible materials:</b>	Oxidizing agents. Acids. Water. Alkalis. Hydrogen fluoride. Phosphorus Compounds. Halogens. Peroxides. Reducing agents. Nitric acid. Halogenated compounds.
<b>Reactivity:</b>	Not available.
<b>Conditions to avoid:</b>	Keep away from heat, spark and flame. Do not puncture, incinerate, or expose to temperatures above 48.9 °C (120 °F).

## 11. TOXICOLOGICAL INFORMATION

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

**Inhalation:** May cause respiratory tract irritation. Central nervous system depression, including dizziness, drowsiness, fatigue, nausea, headache, unconsciousness. Extreme overexposure may result in unconsciousness and possibly death. Abrasion of cured material such as by sanding or grinding could release respirable particles of silica quartz, a cancer hazard by inhalation. Normal use of this product causes no such release.

**Skin contact:** Causes skin irritation.

**Eye contact:** Causes serious eye damage. Direct spray or vapors will irritate and may harm eyes.

**Ingestion:** This product may be fatal if it is swallowed. Principal hazard of ingestion is aspiration into the lungs and subsequent pneumonitis.

Hazardous Component(s)	LD50s and LC50s
Distillates (petroleum), hydrotreated heavy naphthenic	Inhalation LC50 (Rat, 4 h) = > 4.026 mg/l Inhalation LC50 (Rat, 4 h) = 2.18 mg/l Inhalation LC50 (Rat, 4 h) = 10.5 mg/l Inhalation LC50 (Rat, 4 h) = > 5.2 mg/l Inhalation LC50 (Rat, 4 h) = < 5.7 mg/l
acetone	Oral LD50 (Mouse) = 5.2 g/kg Oral LD50 (Mouse) = 3,000 mg/kg Oral LD50 (Rabbit) = 5,340 mg/kg Oral LD50 (Rat) = 5,800 mg/kg Oral LD50 (Rat) = 9,800 mg/kg Dermal LD50 (Rabbit) = 20,000 mg/kg Inhalation LC50 (Rat, 4 h) = 76 mg/l Inhalation LC50 (Rat, 4 h) = 50.1 mg/l
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics	Inhalation LC50 (Rat, 4 h) = > 5,610 mg/m3 Inhalation LC50 (Rat, 4 h) = > 7,630 mg/m3
propane	Inhalation LC50 (Rat, 4 h) = > 13023 ppm Inhalation LC50 (Rat, 4 h) = > 13023 ppm
butane	None
Graphite	Inhalation LC50 (Rat, 4 h) = > 2,000 mg/m3 Inhalation LC50 (Rat, 4 h) = > 2,000 mg/m3
Calcium oxide	Inhalation LC50 (Rat, 4 h) = 40 mg/m3 Inhalation LC50 (Rat, 4 h) = 160 mg/m3
Aluminum not powder, dust or fume	Inhalation LC50 (Rat, 4 h) = > 0.888 mg/l
Cyclohexane	Oral LD50 (Rat) = 29,820 mg/kg Oral LD50 (Mouse) = 1,300 mg/kg Inhalation LC50 (Rat, 4 h) = > 32,880 mg/m3 Inhalation LC50 (Rat, 4 h) = > 5540 ppm
White mineral oil (petroleum)	Inhalation LC50 (Rat, 4 h) = > 5 mg/l
Quartz (SiO2) respirable particulates (RCS) >=10%	None
n-Hexane	Oral LD50 (Rat) = 28,710 mg/kg

Hazardous Component(s)	Immediate Health Effects	Delayed Health Effects	Chronic Health Effects
Distillates (petroleum), hydrotreated heavy naphthenic	Irritant		
acetone	Irritant		Central nervous system
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics			
propane	Irritant		Cardiac Central nervous system
butane	Irritant		Cardiac Central nervous system
Graphite			Lung
Calcium oxide	Irritant Corrosive		Eyes
Aluminum not powder, dust or fume	Irritant		Central nervous system Lung
Cyclohexane	Irritant		Central nervous system
White mineral oil (petroleum)			
Quartz (SiO2) respirable particulates (RCS) >=10%			
n-Hexane	Irritant		Developmental Lung Nervous System Reproductive

Hazardous Component(s)	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen

			(Specifically Regulated)
Distillates (petroleum), hydrotreated heavy naphthenic	No	No	No
acetone	No	No	No
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics	No	No	No
propane	No	No	No
butane	No	No	No
Graphite	No	No	No
Calcium oxide	No	No	No
Aluminum not powder, dust or fume	No	No	No
Cyclohexane	No	No	No
White mineral oil (petroleum)	No	No	No
Quartz (SiO <sub>2</sub> ) respirable particulates (RCS) >=10%	Known To Be Human Carcinogen.	Group 1	Yes
n-Hexane	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.

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

**Proper shipping name:** Aerosols  
**Hazard class or division:** 2.1  
**Identification number:** UN 1950  
**Packing group:** None  
**DOT Hazardous Substance(s):** Acetone

### 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 (Cyclohexane, Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics)  
**Hazard class or division:** 2.1  
**Identification number:** UN 1950  
**Packing group:** None  
**Marine pollutant:** Cyclohexane, Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics

## 15. REGULATORY INFORMATION

### 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.

**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:** Please refer to the GHS classification in Section 2

**CERCLA/SARA Section 313:** This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372). Aluminum not powder, dust or fume (CAS# 7429-90-5). Cyclohexane (CAS# 110-82-7).

**CERCLA Reportable quantity:** acetone (CAS# 67-64-1) 5,000 lbs. (2,270 kg)  
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics (CAS# 64742-49-0) 100 lbs. (45.4 kg)  
propane (CAS# 74-98-6) 100 lbs. (45.4 kg)  
butane (CAS# 106-97-8) 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.

**16. OTHER INFORMATION**

**This safety data sheet contains changes from the previous version in sections:** 2,3,4,8,9,10,11,15

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

**Issue date:** 04/21/2025

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