# Safety Data Sheet

**Revision Number:** 005.0

**Issue date:** 03/25/2025

## 1. IDENTIFICATION

**Product name:** **LOCTITE LB 8711 PENETRATING OIL known as Penetrating Oil**

**IDH number:** 198792

**Product type/ Recommended use:** Lubricant

**Item number:** 51221

**Restriction of Use:** None identified

**Region:** United States

**Company address:**
Henkel Corporation
One Henkel Way
Rocky Hill, Connecticut 06067

**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.<br>H229 - PRESSURIZED CONTAINER: MAY BURST IF HEATED.<br>H304 - MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS.<br>H315 - CAUSES SKIN IRRITATION.<br>H317 - MAY CAUSE AN ALLERGIC SKIN REACTION.<br>H319 - CAUSES SERIOUS EYE IRRITATION. |

| HAZARD CLASS | HAZARD CATEGORY |
|---|---|
| AEROSOL | 1 |
| SKIN IRRITATION | 2 |
| EYE IRRITATION | 2A |
| SKIN SENSITIZATION | 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.
P261 - Avoid breathing mist or spray.
P264 - Wash affected area thoroughly after handling.
P272 - Contaminated work clothing should not be allowed out of the workplace.
P280 - Wear protective gloves, eye protection, 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.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P331 - Do NOT induce vomiting.
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.

| | |
|---|---|
| **Storage:** | P405 - Store locked up.<br>P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. |
| **Disposal:** | P501 - Dispose of contents and/or container according to Federal, State/Provincial and local governmental regulations. |

**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 %* |
|---|---|---|
| White mineral oil (petroleum) | 8042-47-5 | 30 - 60 |
| Naphtha, petroleum, hydrotreated light | 64742-49-0 | 10 - 30 |
| propane | 74-98-6 | 5 - 10 |
| n-Heptane | 142-82-5 | 5 - 10 |
| Distillates (petroleum), hydrotreated light | 64742-47-8 | 5 - 10 |
| Stoddard solvent, <0.1% Benzene | 8052-41-3 | 5 - 10 |
| 2-Butoxyethanol | 111-76-2 | 5 - 10 |
| Limonene, D- | 5989-27-5 | 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

| | |
|---|---|
| **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 wash skin thoroughly with soap and water. Remove contaminated clothing and footwear. If symptoms develop and persist, get medical attention. |
| **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. |
| **Improper extinguishing agents:** | Not available. |
| **Special firefighting procedures:** | Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear. In case of fire, keep containers cool with water spray. |
| **Unusual fire or explosion hazards:** | 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. |

**Hazardous combustion products:** 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.**

**Environmental precautions:** Do not allow product to enter sewer or waterways.

**Clean-up methods:** Clean-up methods - large spillage. Flush with water. Follow all local, state, federal and provincial regulations for disposal.

## 7. HANDLING AND STORAGE

**Handling:** Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling. Keep away from heat, spark and flame. Refer to Section 8.

**Storage:** Keep in a cool, well ventilated area. 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 Component(s) | ACGIH TLV | OSHA PEL | AIHA WEEL | OTHER |
|---|---|---|---|---|
| White mineral oil (petroleum) | 5 mg/m3 TWA Inhalable fraction. | 5 mg/m3 PEL Mist. | None | None |
| Naphtha, petroleum, hydrotreated light | 100 ppm TWA (SKIN) | 100 ppm (400 mg/m3) PEL | None | None |
| propane | D: Simple asphyxiant, EX: Explosion hazard (Simple asphyxiant.) | 1,000 ppm (1,800 mg/m3) PEL | None | None |
| n-Heptane | 400 ppm TWA 500 ppm STEL | 500 ppm (2,000 mg/m3) PEL | None | None |
| Distillates (petroleum), hydrotreated light | 5 mg/m3 TWA Inhalable fraction. | None | None | None |
| Stoddard solvent, <0.1% Benzene | 100 ppm TWA | 500 ppm (2,900 mg/m3) PEL | None | None |
| 2-Butoxyethanol | 20 ppm TWA | 50 ppm (240 mg/m3) PEL (SKIN) | None | None |
| Limonene, D- | None | None | 30 ppm (165.5 mg/m3) TWA | None |

**Engineering controls:** Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits.

**Respiratory protection:** Use NIOSH approved respirator if there is potential to exceed exposure limit(s). When workplace hazards warrant the use of a respirator, appropriate respirators must be used, and a program that follows 29 CFR 1910.134 must be followed.

**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:** | Colourless / Colorless |
| **Odor:** | Of hydrocarbons |
| **Odor threshold:** | Not available. |
| **pH:** | Not available. |
| **Vapor pressure:** | 2757 - 3447 mbar |
| **Boiling point/range:** | 7 °C (44.6 °F) |
| **Melting point/ range:** | Not available. |
| **Density/Relative density:** | 0.800 - 0.840 (concentrate) |
| **Relative vapor density:** | Not available. |
| **Flash point:** | -104 °C (-155.2 °F) |
| **Flammable/Explosive limits - lower:** | 0.6 % |
| **Flammable/Explosive limits - upper:** | 10.6 % |
| **Autoignition temperature:** | Not available. |
| **Flammability:** | Extremely flammable aerosol. |
| **Evaporation rate:** | Slower than butyl acetate. |
| **Solubility:** | Insoluble Water |
| **Partition coefficient n-octanol/water (logarithmic value):** | Not available. |
| **VOC content:** | 42.2 % |
| **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:** | Will not occur. |
| **Hazardous decomposition products:** | Oxides of carbon. Irritating organic vapours. |
| **Incompatible materials:** | Strong oxidizing agents. |
| **Reactivity:** | Not available. |
| **Conditions to avoid:** | Keep away from heat, ignition sources and incompatible materials. |

## 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.

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

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

**Ingestion:** Principal hazard of ingestion is aspiration into the lungs and subsequent pneumonitis. Harmful or fatal if swallowed.

| Hazardous Component(s) | LD50s and LC50s |
|---|---|
| White mineral oil (petroleum) | Inhalation LC50 (Rat, 4 h) = > 5 mg/l<br>Inhalation LC50 (Rat, 4 h) = > 5.2 mg/l |
| Naphtha, petroleum, hydrotreated light | Inhalation LC50 (Rat, 4 h) = > 5,610 mg/m3<br>Inhalation LC50 (Rat, 4 h) = > 7,630 mg/m3 |
| propane | Inhalation LC50 (Rat, 4 h) = > 13023 ppm<br>Inhalation LC50 (Rat, 4 h) = > 13023 ppm |
| n-Heptane | Inhalation LC50 (Rat, 4 h) = > 73.5 mg/l<br>Inhalation LC50 (Rat, 4 h) = > 29.29 mg/l |
| Distillates (petroleum), hydrotreated light | Inhalation LC50 (Rat, 4 h) = > 4.6 mg/l<br>Inhalation LC50 (Rat, 4 h) = > 4.3 mg/l<br>Inhalation LC50 (Rat, 4 h) = > 4.5 mg/l<br>Inhalation LC50 (Rat, 4 h) = > 5.68 mg/l<br>Inhalation LC50 (Rat, 4 h) = > 5.3 mg/l<br>Inhalation LC50 (Rat, 4 h) = > 5.28 mg/l<br>Inhalation LC50 (Rat, 4 h) = > 5.2 mg/l<br>Inhalation LC50 (Rat, 4 h) = > 6.03 mg/l |
| Stoddard solvent, <0.1% Benzene | None |
| 2-Butoxyethanol | Oral LD50 (Rat) = 560 mg/kg<br>Oral LD50 (Mouse) = 1.2 g/kg<br>Oral LD50 (Rabbit) = 0.32 g/kg<br>Oral LD50 (Rat) = 1.48 g/kg<br>Oral LD50 (Mouse) = 1,519 mg/kgDermal LD50 (Rabbit) = 400 mg/kg<br>Inhalation LC50 (Rat, 4 h) = 523 ppm<br>Inhalation LC50 (Rat, 4 h) = 545 ppm |
| Limonene, D- | Oral LD50 (Mouse) = 5,600 - 6,600 mg/kg |

| Hazardous Component(s) | Immediate Health Effects | Delayed Health Effects | Chronic Health Effects |
|---|---|---|---|
| White mineral oil (petroleum) | Irritant | | |
| Naphtha, petroleum, hydrotreated light | Irritant | | Central nervous system<br>Kidney<br>Lung |
| propane | Irritant | | Cardiac<br>Central nervous system |
| n-Heptane | Irritant | | Central nervous system |
| Distillates (petroleum), hydrotreated light | Irritant | | |
| Stoddard solvent, <0.1% Benzene | Irritant | | Central nervous system |
| 2-Butoxyethanol | Irritant | | Blood<br>Central nervous system<br>Kidney<br>Liver |
| Limonene, D- | Irritant | | |

| Hazardous Component(s) | NTP Carcinogen | IARC Carcinogen | OSHA Carcinogen (Specifically Regulated) |
|---|---|---|---|
| White mineral oil (petroleum) | No | No | No |
| Naphtha, petroleum, hydrotreated light | No | No | No |
| propane | No | No | No |
| n-Heptane | No | No | No |
| Distillates (petroleum), hydrotreated light | No | No | No |
| Stoddard solvent, <0.1% Benzene | No | No | No |
| 2-Butoxyethanol | No | No | No |
| Limonene, D- | 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 |

**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 (n-Heptane) |
| **Hazard class or division:** | 2.1 |
| **Identification number:** | UN 1950 |
| **Packing group:** | None |
| **Marine pollutant:** | n-Heptane |

## 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). 2-Butoxyethanol (CAS# 111-76-2). |
| **CERCLA Reportable quantity:** | Naphtha, petroleum, hydrotreated light (CAS# 64742-49-0) 100 lbs. (45.4 kg)<br>propane (CAS# 74-98-6) 100 lbs. (45.4 kg)<br>n-Heptane (CAS# 142-82-5) 100 lbs. (45.4 kg)<br>Distillates (petroleum), hydrotreated light (CAS# 64742-47-8) 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:** 2,4,5,8,9,11

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

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