



Revision Number: 002.1

Issue date: 12/15/2016

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: LOCTITE LB 8713 PENETRATING OIL IDH number: 473164
 known as SOLVO RUST PEN OIL
 AEROSOL 347G

Product type: Solvent based cleaner **Item number:** 1865406

Restriction of Use: None identified **Region:** United States

Company address: **Contact information:**
 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

DANGER: CONTENTS UNDER PRESSURE.
 EXTREMELY FLAMMABLE AEROSOL.
 MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS.
 CAUSES SKIN IRRITATION.
 CAUSES SERIOUS EYE IRRITATION.

HAZARD CLASS	HAZARD CATEGORY
FLAMMABLE AEROSOL.	1
SKIN IRRITATION	2
EYE IRRITATION	2A
ASPIRATION HAZARD	1

PICTOGRAM(S)



Precautionary Statements

Prevention: Keep away from heat, sparks, open flames, hot surfaces - no smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Wash affected area thoroughly after handling. Wear protective gloves, eye protection, and face protection.

Response: IF SWALLOWED: Immediately call a physician or poison control center. IF ON SKIN: Wash with plenty of water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Do NOT induce vomiting. If skin irritation occurs: Get medical attention. If eye irritation persists: Get medical attention. Take off contaminated clothing.

Storage: Store locked up. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

Disposal: Dispose of contents and/or container according to Federal, State/Provincial and local governmental regulations.

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).

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See Section 11 for additional toxicological information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Component(s)	CAS Number	Percentage*
White mineral oil (petroleum), highly refined	8042-47-5	40 - 50
Distillates (petroleum), hydrotreated light	64742-47-8	30 - 40
Hydrocarbon aliphatic aromatic naphthenic C9-12	64742-88-7	10 - 20
Kerosine (petroleum), hydrodesulfurized	64742-81-0	5 - 10
Carbon dioxide	124-38-9	5 - 10

* Exact percentages may vary or are trade secret. Concentration range is provided to assist users in providing appropriate protections.

4. FIRST AID MEASURES

Inhalation:	Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. 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.
Symptoms:	See Section 11.

5. FIRE FIGHTING MEASURES

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. 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. Hydrocarbons. 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:	Ensure adequate ventilation. Remove all sources of ignition. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Scrape up as much material as possible. Store in a partly filled, closed container until disposal.

7. HANDLING AND STORAGE

- Handling:** Keep away from heat, spark and flame. 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.
- Storage:** Heat from sunlight, radiators, stoves, hot water, and other heat sources could cause container to burst. Do not puncture, incinerate, or expose to temperatures above 48.9 °C (120 °F). Store away from ignition sources. Keep in a cool, well ventilated area.

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), highly refined	5 mg/m ³ TWA Inhalable fraction.	5 mg/m ³ TWA mist 5 mg/m ³ PEL Mist.	None	None
Distillates (petroleum), hydrotreated light	None	100 ppm (400 mg/m ³) PEL	None	None
Hydrocarbon aliphatic aromatic naphthenic C9-12	100 ppm TWA 200 mg/m ³ TWA (as total hydrocarbon vapor) Non-aerosol. (SKIN) (as total hydrocarbon vapor) Non-aerosol.	500 ppm (2,900 mg/m ³) TWA	None	None
Kerosine (petroleum), hydrodesulfurized	200 mg/m ³ TWA (as total hydrocarbon vapor) Non-aerosol. (SKIN) (as total hydrocarbon vapor) Non-aerosol.	None	None	None
Carbon dioxide	5,000 ppm TWA 30,000 ppm STEL	5,000 ppm (9,000 mg/m ³) PEL	None	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. Safety showers and eye wash stations should be available.
- Skin protection:** Use impermeable gloves and protective clothing as necessary to prevent skin contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

- Physical state:** Aerosol, liquid
Color: Clear colorless
Odor: Kerosene
Odor threshold: Not available.
pH: Not applicable
pH: Not available.
Vapor pressure: Not available.
Boiling point/range: > 37.8 °C (> 100°F)
Melting point/ range: Not available.
Specific gravity: 0.76

Specific gravity:	0.8 - 0.9
Vapor density:	Heavier than air.
Flash point:	70 °C (158°F)
Flashback:	None
Flame projection:	122 cm (48.03 inch)
Flammable/Explosive limits - lower:	0.7 %
Flammable/Explosive limits - upper:	9.5 %
Autoignition temperature:	Not available.
Flammability:	Extremely flammable aerosol.
Evaporation rate:	Faster than ether.
Solubility in water:	Insoluble
Solubility in water:	Soluble
Partition coefficient (n-octanol/water):	Not available.
VOC content:	24 %
Viscosity:	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. Hydrocarbons. Irritating organic vapours.
Incompatible materials:	Strong oxidizing agents.
Reactivity:	Not available.
Conditions to avoid:	Keep away from heat, ignition sources and incompatible materials. Do not puncture, incinerate, or expose to temperatures above 48.9 °C (120 °F).

11. TOXICOLOGICAL INFORMATION

Relevant routes of exposure:	Skin, Inhalation, Eyes, Ingestion
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Potential Health Effects/Symptoms

Inhalation: May cause respiratory tract irritation.
Skin contact: Causes skin irritation. Solvent action can dry and defat the skin, causing the skin to crack, leading to dermatitis.
Eye contact: Causes serious eye irritation.
Ingestion: Principal hazard of ingestion is aspiration into the lungs and subsequent pneumonitis.

Hazardous Component(s)	LD50s and LC50s	Immediate and Delayed Health Effects
White mineral oil (petroleum), highly refined	None	Irritant
Distillates (petroleum), hydrotreated light	None	Irritant, Lung
Hydrocarbon aliphatic aromatic naphthenic C9-12	None	Central nervous system, Irritant
Kerosine (petroleum), hydrodesulfurized	None	Irritant
Carbon dioxide	None	Central nervous system

Hazardous Component(s)	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
White mineral oil (petroleum), highly refined	No	No	No
Distillates (petroleum), hydrotreated light	No	No	No
Hydrocarbon aliphatic aromatic naphthenic C9-12	No	No	No
Kerosine (petroleum), hydrodesulfurized	No	No	No
Carbon dioxide	No	No	No

12. ECOLOGICAL INFORMATION

Ecological information: Not available.

13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

Recommended method of disposal: Do not incinerate. Depressurize cans. Follow all local, state, federal and provincial regulations for disposal.

Hazardous waste number: Not a RCRA hazardous waste.

14. TRANSPORT INFORMATION

The transport information provided in this section only applies to the material/formulation itself, and is not specific to any package/configuration.

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
Exceptions: (Not more than 500 ml), ID8000

Water Transportation (IMO/IMDG)

Proper shipping name: AEROSOLS
Hazard class or division: 2.1
Identification number: UN 1950
Packing group: None
Exceptions: Limited quantity (Not more than 1 L).

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: Immediate Health, Fire
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.

16. OTHER INFORMATION

This safety data sheet contains changes from the previous version in sections: New Safety Data Sheet format.

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Issue date: 12/15/2016

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