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Safety Data Sheet

Revision Number: 006.0

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1. IDENTIFICATION

Product name: **LOCTITE LB 8713 PEN OIL AE known as LOCTITE SOLVO RUST 11OZ AE**

IDH number: 1865406

Product type/ Recommended use: Solvent based cleaner

Item number: 1865406

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
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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. H335 - MAY CAUSE RESPIRATORY IRRITATION. H336 - MAY CAUSE DROWSINESS OR DIZZINESS. H351 - SUSPECTED OF CAUSING CANCER.

HAZARD CLASS	HAZARD CATEGORY
AEROSOL	1
CARCINOGENICITY	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.
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.
P304+P340+P312 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or physician if you feel unwell.
P308+P313 - IF exposed or concerned: Get medical attention.
P331 - Do NOT induce vomiting.

Storage:
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.

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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
Distillates (petroleum), hydrotreated light	64742-47-8	30 - 60
Naphtha (petroleum), hydrotreated heavy (<0.1% benzene)	64742-48-9	10 - 30
Kerosine (petroleum)	8008-20-6	5 - 10
Carbon dioxide	124-38-9	5 - 10
Naphthalene	91-20-3	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 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.

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: Water spray (fog), 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.

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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.

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
White mineral oil (petroleum)	5 mg/m3 TWA Inhalable fraction.	5 mg/m3 PEL Mist.	None	None
Distillates (petroleum), hydrotreated light	5 mg/m3 TWA Inhalable fraction. (SKIN) (as total hydrocarbon vapor) Non-aerosol. 200 mg/m3 TWA (as total hydrocarbon vapor) Non-aerosol.	None	None	None
Kerosine (petroleum)	200 mg/m3 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/m3) PEL	None	None
Naphthalene	10 ppm TWA (SKIN)	10 ppm (50 mg/m3) 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.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Aerosol, Liquid
Color:	Clear colourless / colorless
Odor:	Kerosene
Odor threshold:	Not available.
pH:	Not applicable, Product is non-soluble (in water).
Vapor pressure:	724 - 3592 kPa (20 °C (68°F))
Boiling point/range:	56 °C (132.8 °F)
Melting point/ range:	Not available.
Density/Relative density:	0.8020 - 0.8220
Relative 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:	Insoluble Water
Solubility:	Soluble Acetone
Partition coefficient n-octanol/water (logarithmic value):	Not available.
VOC content:	24.4 %
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. 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

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

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Potential Health Effects/Symptoms

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

Hazardous Component(s)	LD50s and LC50s
White mineral oil (petroleum)	Inhalation LC50 (Rat, 4 h) = > 5 mg/l Inhalation LC50 (Rat, 4 h) = > 5.2 mg/l
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 heavy (<0.1% benzene)	Inhalation LC50 (Rat, 4 h) = > 8,530 mg/m3 Inhalation LC50 (Rat, 4 h) = > 5.36 mg/l
Kerosine (petroleum)	Inhalation LC50 (Rat, 4 h) = > 4.6 mg/l Inhalation LC50 (Rat, 4 h) = > 5.2 mg/l Inhalation LC50 (Rat, 4 h) = > 4.3 mg/l Inhalation LC50 (Rat, 4 h) = > 5.68 mg/l Inhalation LC50 (Rat, 4 h) = > 5.28 mg/l Inhalation LC50 (Rat, 4 h) = > 6.03 mg/l Inhalation LC50 (Rat, 4 h) = > 5.3 mg/l Inhalation LC50 (Rat, 4 h) = > 4.5 mg/l
Carbon dioxide	None
Naphthalene	Oral LD50 (Rat) = 490 mg/kg Oral LD50 (Rat) = 2.6 g/kg Oral LD50 (Rat) = 2,200 mg/kg Oral LD50 (Rat) = 2,400 mg/kg Dermal LD50 (Rat) = > 20 g/kg Dermal LD50 (Rabbit) = > 2.0 g/kg Inhalation LC50 (Rat, 4 h) = > 0.4 mg/l Inhalation LC50 (Rat, 4 h) = > 78 ppm

Hazardous Component(s)	Immediate Health Effects	Delayed Health Effects	Chronic Health Effects
White mineral oil (petroleum)	Irritant		
Distillates (petroleum), hydrotreated light	Irritant		Lung
Naphtha (petroleum), hydrotreated heavy (<0.1% benzene)			
Kerosine (petroleum)	Irritant		Blood Bone Marrow Central nervous system Kidney Liver Lung Spleen
Carbon dioxide			Central nervous system
Naphthalene	Irritant		Blood Central nervous system Eyes

Hazardous Component(s)	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
White mineral oil (petroleum)	No	No	No
Distillates (petroleum), hydrotreated light	No	No	No
Naphtha (petroleum), hydrotreated heavy (<0.1% benzene)	No	No	No
Kerosine (petroleum)	No	No	No
Carbon dioxide	No	No	No
Naphthalene	Reasonably Anticipated to be a Human Carcinogen.	Group 2B	No

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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.

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
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 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). Naphthalene (CAS# 91-20-3).
CERCLA Reportable quantity:	Distillates (petroleum), hydrotreated light (CAS# 64742-47-8) 100 lbs. (45.4 kg) Naphtha (petroleum), hydrotreated heavy (<0.1% benzene) (CAS# 64742-48-9) 100 lbs. (45.4 kg) Kerosine (petroleum) (CAS# 8008-20-6) 100 lbs. (45.4 kg) Naphthalene (CAS# 91-20-3) 100 lbs. (45.4 kg)
California Proposition 65:	This product contains a chemical known in the State of California to cause cancer.

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: 2,8

Prepared by: Product Safety and Regulatory Affairs

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