chanhvinh.com

Safety Data Sheet

Revision Number: 004.0

Issue date: 05/30/2025

1. IDENTIFICATION

Product name: **LOCTITE LB 8007 C5-A AE known as LOCTITE LB C5-A**

IDH number: 1786073

Product type/ Recommended use: Antiseize

Item number: 1786073

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:

H223 - 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.
H372 - CAUSES DAMAGE TO ORGANS THROUGH PROLONGED OR REPEATED EXPOSURE.

HAZARD CLASS	HAZARD CATEGORY
AEROSOL	2
SKIN IRRITATION	2
SERIOUS EYE DAMAGE	1
SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE	3
SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE	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.
P260 - Do not breathe dust or fumes.
P264 - Wash affected area thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P271 - Use only outdoors or in a well-ventilated area.
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.

chanhvinh.com

	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. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P314 - Get medical attention if you feel unwell. 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.
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.
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 %*
n-Heptane	142-82-5	10 - 30
acetone	67-64-1	10 - 30
Copper	7440-50-8	10 - 30
Propane/Isobutane	68476-86-8	10 - 30
Graphite	7782-42-5	10 - 30
Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	5 - 10
Distillates (petroleum), hydrotreated light naphthenic	64742-53-6	5 - 10
Calcium dihydroxide	1305-62-0	1 - 5
Quartz (SiO2), <1% respirable	14808-60-7	1 - 5
Calcium dodecylbenzene sulfonate	26264-06-2	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 symptoms develop and persist, get medical attention.

Skin contact: If symptoms develop and persist, get medical attention. Wash affected area immediately with soap and water.

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

Ingestion: Do not induce vomiting: contains petroleum distillates and/or aromatic solvents. Aspiration may cause pulmonary edema and pneumonitis. Get immediate 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.

chanhvinh.com

Special firefighting procedures:	Water should be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat. Wear a self-contained breathing apparatus with a full face piece operated in pressure-demand or other positive pressure mode.
Unusual fire or explosion hazards:	Closed containers may rupture (due to build up of pressure) when exposed to extreme heat. Do not puncture or incinerate pressurized containers.
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.
Clean-up methods:	Eliminate ignition sources including sources of electrical, static or frictional sparks. Wipe up with adsorbent material (e.g. cloth, fleece). Rinse spill area with water. Store in a partly filled, closed container until disposal.

7. HANDLING AND STORAGE

Handling:	Keep away from heat, spark and flame. Avoid contact with eyes, skin and clothing. Do not breathe gas/fumes/vapor/spray.
Storage:	Keep in a cool, well ventilated area. Store away from heat, sparks, flames, or other sources of ignition. Heat from sunlight, radiators, stoves, hot water, and other heat sources could cause container to burst.

For information on product shelf life, please review labels on container or check the Technical Data Sheet.

chanhvinh.com

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
n-Heptane	400 ppm TWA 500 ppm STEL	500 ppm (2,000 mg/m3) PEL	None	None
acetone	250 ppm TWA 500 ppm STEL	1,000 ppm (2,400 mg/m3) PEL	None	None
Copper	0.2 mg/m3 TWA (as Cu) Fume. 1 mg/m3 TWA (as Cu) Dust and mist.	1 mg/m3 PEL (as Cu) Dust and mist. 0.1 mg/m3 PEL (as Cu) Fume.	None	None
Graphite	2 mg/m3 TWA Respirable fraction.	5 mg/m3 PEL Respirable fraction. 15 mg/m3 PEL Total dust. 5 mg/m3 PEL Respirable fraction. 15 mg/m3 PEL Total dust.	None	None
Distillates (petroleum), hydrotreated heavy naphthenic	None	500 ppm (2,000 mg/m3) PEL 5 mg/m3 PEL Mist.	None	None
Distillates (petroleum), hydrotreated light naphthenic	None	5 mg/m3 TWA mist 10 mg/m3 TWA mist 5 mg/m3 PEL Mist. 500 ppm (2,000 mg/m3) PEL	None	None
Calcium dihydroxide	5 mg/m3 TWA	5 mg/m3 PEL Respirable fraction. 15 mg/m3 PEL Total dust. 50 MPPCF TWA Total dust. 5 mg/m3 TWA Respirable fraction. 15 MPPCF TWA Respirable fraction. 15 mg/m3 TWA Total dust.	None	None
Quartz (SiO2), <1% respirable	0.025 mg/m3 TWA Respirable fraction.	0.05 mg/m3 TWA (Respirable dust.) (Respirable dust.) 0.025 mg/m3 OSHA_ACT (Respirable dust.) 0.05 mg/m3 PEL Respirable dust. 2.4 MPPCF TWA Respirable 0.1 mg/m3 TWA Respirable	None	None

Engineering controls: Local exhaust ventilation is recommended when general ventilation is not sufficient to control airborne contamination.

Respiratory protection: 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.

Skin protection: Chemical resistant, impermeable gloves.

chanhvinh.com

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Aerosol, Liquid or paste
Color:	Copper
Odor:	Ketone
Odor threshold:	Not available.
pH:	Not available.
Vapor pressure:	Not available.
Boiling point/range:	Not available.
Melting point/ range:	Not available.
Density/Relative density:	Not available.
Relative vapor density:	Not available.
Flash point:	< -17 °C (< 1.4 °F)
Flammable/Explosive limits - lower:	Not available.
Flammable/Explosive limits - upper:	Not available.
Autoignition temperature:	Not available.
Flammability:	Not applicable
Evaporation rate:	Not available.
Solubility:	Not available.
Partition coefficient n-octanol/water (logarithmic value):	Not available.
VOC content:	35.9 %
Dynamic viscosity:	Not available.
Kinematic viscosity:	Not available.
Particle characteristics:	Not available.
Decomposition temperature:	Not available.

10. STABILITY AND REACTIVITY

Stability:	Stable
Hazardous reactions:	Not available.
Hazardous decomposition products:	Oxides of carbon.
Incompatible materials:	Oxidizing agents.
Reactivity:	Not available.
Conditions to avoid:	Extremes of temperature and direct sunlight.

11. TOXICOLOGICAL INFORMATION

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

chanhvinh.com

Potential Health Effects/Symptoms

Inhalation: Vapor overexposure may cause drowsiness. Prolonged or excessive inhalation may cause respiratory tract irritation. 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.

Ingestion: May cause gastrointestinal tract irritation if swallowed. Central nervous system depression, including dizziness, drowsiness, fatigue, nausea, headache, unconsciousness.

Hazardous Component(s)	LD50s and LC50s
n-Heptane	Inhalation LC50 (Rat, 4 h) = > 73.5 mg/l Inhalation LC50 (Rat, 4 h) = > 29.29 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
Copper	Inhalation LC50 (Rat, 4 h) = > 5.11 mg/l
Propane/Isobutane	Inhalation LC50 (Rat, 4 h) = > 13023 ppm Inhalation LC50 (Rat, 4 h) = > 13023 ppm
Graphite	Inhalation LC50 (Rat, 4 h) = > 2,000 mg/m3 Inhalation LC50 (Rat, 4 h) = > 2,000 mg/m3
Distillates (petroleum), hydrotreated heavy naphthenic	Inhalation LC50 (Rat, 4 h) = > 5.3 mg/l Inhalation LC50 (Rat, 4 h) = > 5.53 mg/l Inhalation LC50 (Rat, 4 h) = > 3.9 mg/l Inhalation LC50 (Rat, 4 h) = > 4.026 mg/l Inhalation LC50 (Rat, 4 h) = > 5.2 mg/l Inhalation LC50 (Rat, 4 h) = 5.7 mg/l Inhalation LC50 (Rat, 4 h) = > 2.4 mg/l Inhalation LC50 (Rat, 4 h) = > 5 mg/l Inhalation LC50 (Rat, 4 h) = 2.18 mg/l Inhalation LC50 (Rat, 4 h) = > 3.9 mg/l Inhalation LC50 (Rat, 4 h) = > 5.3 mg/l Inhalation LC50 (Rat, 4 h) = 10.5 mg/l Inhalation LC50 (Rat, 4 h) = 9.6 mg/l Inhalation LC50 (Rat, 4 h) = 9.6 mg/l Inhalation LC50 (Rat, 4 h) = 10.5 mg/l Inhalation LC50 (Rat, 4 h) = > 5 mg/l Inhalation LC50 (Rat, 4 h) = > 5.2 mg/l Inhalation LC50 (Rat, 4 h) = > 5 mg/l Inhalation LC50 (Rat, 4 h) = > 5 mg/l Inhalation LC50 (Rat, 4 h) = > 2.5 mg/l Inhalation LC50 (Rat, 4 h) = > 4.7 mg/l Inhalation LC50 (Rat, 4 h) = < 5.7 mg/l
Distillates (petroleum), hydrotreated light naphthenic	Inhalation LC50 (Rat, 4 h) = < 5.7 mg/l Inhalation LC50 (Rat, 4 h) = 10.5 mg/l Inhalation LC50 (Rat, 4 h) = > 5 mg/l Inhalation LC50 (Rat, 4 h) = > 5.3 mg/l Inhalation LC50 (Rat, 4 h) = 9.6 mg/l Inhalation LC50 (Rat, 4 h) = > 4.7 mg/l Inhalation LC50 (Rat, 4 h) = > 2.4 mg/l Inhalation LC50 (Rat, 4 h) = > 5.3 mg/l Inhalation LC50 (Rat, 4 h) = 10.5 mg/l Inhalation LC50 (Rat, 4 h) = > 4.026 mg/l Inhalation LC50 (Rat, 4 h) = > 5.2 mg/l Inhalation LC50 (Rat, 4 h) = 9.6 mg/l Inhalation LC50 (Rat, 4 h) = > 3.9 mg/l Inhalation LC50 (Rat, 4 h) = > 3.9 mg/l Inhalation LC50 (Rat, 4 h) = 2.18 mg/l Inhalation LC50 (Rat, 4 h) = > 5 mg/l Inhalation LC50 (Rat, 4 h) = > 5 mg/l Inhalation LC50 (Rat, 4 h) = 5.7 mg/l Inhalation LC50 (Rat, 4 h) = > 5.53 mg/l Inhalation LC50 (Rat, 4 h) = > 2.5 mg/l Inhalation LC50 (Rat, 4 h) = > 5.2 mg/l Inhalation LC50 (Rat, 4 h) = > 5 mg/l
Calcium dihydroxide	Oral LD50 (Rat) = 7,340 mg/kg

chanhvinh.com

Quartz (SiO2), <1% respirable	None
Calcium dodecylbenzene sulfonate	None

Hazardous Component(s)	Immediate Health Effects	Delayed Health Effects	Chronic Health Effects
n-Heptane	Irritant		Central nervous system
acetone	Irritant		Central nervous system
Copper	Irritant	Allergen	Blood Central nervous system Developmental Gastrointestinal Immune system Kidney Liver Mutagen Sensory Skin
Propane/Isobutane			
Graphite			Lung
Distillates (petroleum), hydrotreated heavy naphthenic	Irritant		
Distillates (petroleum), hydrotreated light naphthenic	Irritant		
Calcium dihydroxide	Irritant Corrosive		
Quartz (SiO2), <1% respirable			Immune system Lung Some evidence of carcinogenicity
Calcium dodecylbenzene sulfonate	Irritant		Eyes

Hazardous Component(s)	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
n-Heptane	No	No	No
acetone	No	No	No
Copper	No	No	No
Propane/Isobutane	No	No	No
Graphite	No	No	No
Distillates (petroleum), hydrotreated heavy naphthenic	No	No	No
Distillates (petroleum), hydrotreated light naphthenic	No	No	No
Calcium dihydroxide	No	No	No
Quartz (SiO2), <1% respirable	Known To Be Human Carcinogen.	Group 1	Yes
Calcium dodecylbenzene sulfonate	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
Marine pollutant: Copper, n-Heptane
DOT Hazardous Substance(s): Copper, Acetone

chanhvinh.com

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 (Copper, n-Heptane)
Hazard class or division:	2.1
Identification number:	UN 1950
Packing group:	None
Marine pollutant:	Copper, 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). Copper (CAS# 7440-50-8).
CERCLA Reportable quantity:	Copper (CAS# 7440-50-8) 5,000 lbs. (2,270 kg) n-Heptane (CAS# 142-82-5) 100 lbs. (45.4 kg) acetone (CAS# 67-64-1) 5,000 lbs. (2,270 kg) Calcium dodecylbenzene sulfonate (CAS# 26264-06-2) 1,000 lbs. (454 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: New Safety Data Sheet format. 2, 4, 8, 9, 11, 14

Prepared by: Product Safety and Regulatory Affairs

Issue date: 05/30/2025

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 OSHA Hazard Communication Standard (29 CFR 1910.1200) and provides information in accordance with U.S. federal 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.