



Revision Number: 002.0

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1. PRODUCT AND COMPANY IDENTIFICATION

| | | | |
|-------------------------------|--|---------------------|---------------|
| Product name: | LOCTITE LB 8012 MOLY PASTE known as LOCTITE MOLY PASTE 12OZ AE EN | IDH number: | 1852755 |
| Product type: | Antiseize | Item number: | 1852755 |
| Restriction of Use: | None identified | Region: | United States |
| Company address: | Contact information: | | |
| Henkel Corporation | Telephone: +1 (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.
FLAMMABLE AEROSOL.
CAUSES SKIN IRRITATION.
CAUSES SERIOUS EYE DAMAGE.
MAY CAUSE DROWSINESS OR DIZZINESS.

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

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. Avoid breathing mist or spray. Wash affected area thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves, eye protection, and face protection. |
| Response: | IF ON SKIN: Wash with plenty of water. 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. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If skin irritation occurs: Get medical attention. Take off contaminated clothing. |
| Storage: | Store in a well-ventilated place. Keep container tightly closed. 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).

See Section 11 for additional toxicological information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

| Hazardous Component(s) | CAS Number | Percentage* |
|--|------------|-------------|
| n-Heptane | 142-82-5 | 10 - 20 |
| Molybdenum disulphide | 1317-33-5 | 10 - 20 |
| Methyl acetate | 79-20-9 | 10 - 20 |
| Acetone | 67-64-1 | 10 - 20 |
| Propane/Isobutane | 68476-86-8 | 10 - 20 |
| Calcium dihydroxide | 1305-62-0 | 1 - 5 |
| Distillates (petroleum), hydrotreated heavy naphthenic | 64742-52-5 | 1 - 5 |
| Distillates (petroleum), hydrotreated light naphthenic | 64742-53-6 | 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

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|----------------------|---|
| 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. |
| Symptoms: | See Section 11. |

5. FIRE FIGHTING MEASURES

| | |
|---|--|
| Extinguishing media: | Water spray (fog), foam, dry chemical or carbon dioxide. |
| 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.

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 |
| Molybdenum disulphide | 10 mg/m3 TWA (as Mo) Inhalable fraction. 3 mg/m3 TWA (as Mo) Respirable fraction. | 15 mg/m3 PEL (as Mo) Total dust. | None | None |
| Methyl acetate | 200 ppm TWA 250 ppm STEL | 200 ppm (610 mg/m3) PEL | None | None |
| Acetone | 250 ppm TWA 500 ppm STEL | 1,000 ppm (2,400 mg/m3) PEL | None | None |
| Propane/Isobutane | None | None | None | None |
| Calcium dihydroxide | 5 mg/m3 TWA | 5 mg/m3 PEL Respirable fraction. 15 mg/m3 PEL Total dust. | None | None |
| Distillates (petroleum), hydrotreated heavy naphthenic | Exposure by all routes should be carefully controlled to levels as low as possible. Included in the regulation but with no data values. See regulation for further details | 500 ppm (2,000 mg/m3) PEL 5 mg/m3 PEL Mist. | None | None |
| Distillates (petroleum), hydrotreated light naphthenic | Included in the regulation but with no data values. See regulation for further details Exposure by all routes should be carefully controlled to levels as low as possible. | 5 mg/m3 TWA mist 10 mg/m3 TWA mist 5 mg/m3 PEL Mist. 500 ppm (2,000 mg/m3) PEL | 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.

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|---------------------|
| Physical state: | Liquid |
| Color: | Black |
| Odor: | Solvent |
| Odor threshold: | Not available. |
| pH: | Not available. |
| Vapor pressure: | Not available. |
| Boiling point/range: | Not available. |
| Melting point/ range: | Not available. |
| 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 in water: | Not available. |
| Partition coefficient (n-octanol/water): | Not available. |
| VOC content: | 45 % (calculated) |
| Viscosity: | 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

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

Potential Health Effects/Symptoms

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|----------------------|---|
| Inhalation: | May cause respiratory tract irritation. May cause central nervous system effects with nausea, dizziness and headache. |
| Skin contact: | Causes skin irritation. |
| Eye contact: | Causes serious eye damage. Direct spray or vapors will irritate and may harm eyes. Direct contact with liquid may cause corneal damage and visual impairment. |
| Ingestion: | Not expected under normal conditions of use. May cause gastrointestinal tract irritation if swallowed. |

| Hazardous Component(s) | LD50s and LC50s | Immediate and Delayed Health Effects |
|--|--|---|
| n-Heptane | Inhalation LC50 (Rat, 4 h) = 103 mg/l | Central nervous system, Irritant |
| Molybdenum disulphide | None | No Target Organs |
| Methyl acetate | Oral LD50 (Rabbit) = 3.7 g/kg | Blood, Central nervous system, Eyes, Irritant |
| 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 | Central nervous system, Irritant |
| Propane/Isobutane | None | No Records |
| Calcium dihydroxide | Oral LD50 (Rat) = 7,340 mg/kg | Irritant, Corrosive |
| Distillates (petroleum), hydrotreated heavy naphthenic | None | Irritant |
| Distillates (petroleum), hydrotreated light naphthenic | None | Irritant |

| Hazardous Component(s) | NTP Carcinogen | IARC Carcinogen | OSHA Carcinogen (Specifically Regulated) |
|--|-------------------------------|-----------------|--|
| n-Heptane | No | No | No |
| Molybdenum disulphide | No | No | No |
| Methyl acetate | No | No | No |
| Acetone | No | No | No |
| Propane/Isobutane | No | No | No |
| Calcium dihydroxide | No | No | No |
| Distillates (petroleum), hydrotreated heavy naphthenic | Known To Be Human Carcinogen. | Group 1 | No |
| Distillates (petroleum), hydrotreated light naphthenic | Known To Be Human Carcinogen. | Group 1 | No |

12. ECOLOGICAL INFORMATION

Ecological information: Not available.

13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

Recommended method of disposal: Dispose of according to Federal, State and local governmental regulations.

Hazardous waste number: D001: Ignitable.

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
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 (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 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: Fire, Pressure, Immediate Health

CERCLA/SARA Section 313: None above reporting de minimis.

CERCLA Reportable quantity: n-Heptane (CAS# 142-82-5) 100 lbs. (45.4 kg)
Methyl acetate (CAS# 79-20-9) 100 lbs. (45.4 kg)
Acetone (CAS# 67-64-1) 5,000 lbs. (2,270 kg)

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: 2

Prepared by: Product Safety and Regulatory Affairs

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