



Revision Number: 006.1

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1. IDENTIFICATION

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|--------------------------------------|--|---------------------|--------|
| Product name: | LOCTITE LB 8013 ANTI-SIEZE known as Metal Free N-7000 High Purity | IDH number: | 234288 |
| Product type/Recommended use: | Lubricant | Item number: | 51272 |
| Restriction of Use: | None identified | Region: | Canada |
| Company address: | Contact information: | | |
| Henkel Canada Corporation | Telephone: +1 (905) 814-6511 | | |
| Meadowpine Boulevard 2515 | MEDICAL EMERGENCY Phone: Poison Control Center | | |
| Mississauga, Ontario L5N 6C3 | 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 | | |
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| | 1-800-424-9300 (toll free) or 1-703-527-3887 | | |
| | Internet: www.henkelna.com | | |

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

DANGER: H315 - CAUSES SKIN IRRITATION.
H318 - CAUSES SERIOUS EYE DAMAGE.

| HAZARD CLASS | HAZARD CATEGORY |
|--------------------|-----------------|
| SKIN IRRITATION | 2 |
| SERIOUS EYE DAMAGE | 1 |

PICTOGRAM(S)



Precautionary Statements

| | |
|--------------------|--|
| Prevention: | P264 - Wash affected area thoroughly after handling. P280 - Wear protective gloves, eye protection, and face protection. |
| Response: | 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. P332+P313 - If skin irritation occurs: Get medical attention. P362+P364 - Take off contaminated clothing and wash it before reuse. |
| Storage: | Not prescribed |
| Disposal: | Not prescribed |

Other hazards Not available.

Classification complies with Canadian Hazardous Products Regulations and is consistent with the provision 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~ | | 30 - 60 |
| Calcium oxide | 1305-78-8 | 10 - 30 |
| Graphite | 7782-42-5 | 10 - 30 |
| Calcium distearate | 1592-23-0 | 5 - 10 |
| Octadecanoic acid | 57-11-4 | 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: | 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. 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: | Aspiration may cause pulmonary edema or aspiration pneumonia. |

5. FIRE FIGHTING MEASURES

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|---|--|
| Extinguishing media: | Water spray (fog), foam, dry chemical or carbon dioxide. |
| Improper extinguishing agents: | Not available. |
| Special firefighting procedures: | None |
| Unusual fire or explosion hazards: | None |
| 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.

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|-----------------------------------|---|
| Environmental precautions: | Ventilate area. Do not allow product to enter sewer or waterways. |
|-----------------------------------|---|

Clean-up methods:

Store in a partly filled, closed container until disposal. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

7. HANDLING AND STORAGE

Handling:

Wash thoroughly after handling. Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling.

Storage:

Keep in a cool, well ventilated area. Keep container closed.

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~ | 5 mg/m3 TWA mist 10 mg/m3 STEL mist | 5 mg/m3 TWA mist | None | None |
| Calcium oxide | 2 mg/m3 TWA | 5 mg/m3 PEL | 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 |
| Calcium distearate | 3 mg/m3 TWA Respirable fraction. 3 mg/m3 TWA Respirable fraction. 10 mg/m3 TWA Inhalable fraction. | None | None | None |

Engineering controls:

Use local ventilation if general ventilation is insufficient to maintain vapor concentration below established exposure limits.

Respiratory protection:

Observe OSHA regulations for respirator use (29 CFR 1910.134). Not normally required. Use NIOSH approved respirator if there is potential to exceed exposure limit(s).

Eye/face protection:

Safety goggles or safety glasses with side shields.

Skin protection:

Use impermeable gloves and protective clothing as necessary to prevent skin contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:

Paste

Color:

Gray / Grey

Odor:

Characteristic

Odor threshold:

Not available.

pH:

Product is non-soluble (in water)., Not applicable

Vapor pressure:

Not available.

Boiling point/range:

Not available.

Melting point/ range:

Not applicable, Product is a liquid

Density/Relative density:

1.1687

Relative vapor density:

Not available.

Flash point:

218 °C (424.4 °F)

Flammable/Explosive limits - lower:

Not available.

| | |
|---|-------------------------------------|
| Flammable/Explosive limits - upper: | Not available. |
| Autoignition temperature: | Not available. |
| Flammability: | Not applicable |
| Evaporation rate: | Less than butyl acetate. |
| Solubility: | Insoluble Water |
| Partition coefficient n-octanol/water (logarithmic value): | Not available. |
| VOC content: | Essentially Zero |
| Dynamic viscosity: | Not available. |
| Kinematic viscosity: | Not available. |
| Particle characteristics: | Not applicable, Product is a liquid |
| Decomposition temperature: | Not available. |

10. STABILITY AND REACTIVITY

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|--|--|
| Stability: | Stable under recommended storage conditions. |
| Hazardous reactions: | Will not occur. |
| Hazardous decomposition products: | Hydrocarbons. |
| Incompatible materials: | Oxidizing agents. |
| Reactivity: | Not available. |
| Conditions to avoid: | Prolonged exposure to heat. |

11. TOXICOLOGICAL INFORMATION

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|-----------------------------------|-----------------------------------|
| Likely routes of exposure: | Skin, Inhalation, Eyes, Ingestion |
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Potential Health Effects/Symptoms

Inhalation: May cause respiratory tract irritation. Mist or spray may cause respiratory tract irritation and delayed onset pulmonary edema.
Skin contact: Causes skin irritation.
Eye contact: Causes serious eye damage.
Ingestion: Aspirated material can enter the lungs and result in pneumonitis. Irritation and corrosive action can occur in the mouth, stomach tissue and digestive tract if swallowed.

| Hazardous Component(s) | LD50s and LC50s |
|------------------------|--|
| White mineral oil~ | None |
| Calcium oxide | Inhalation LC50 (Rat, 4 h) = 40 mg/m3 Inhalation LC50 (Rat, 4 h) = 160 mg/m3 |
| Graphite | Inhalation LC50 (Rat, 4 h) = > 2,000 mg/m3 Inhalation LC50 (Rat, 4 h) = > 2,000 mg/m3 |
| Calcium distearate | None |
| Octadecanoic acid | Oral LD50 (Rat) = 4.6 g/kg Inhalation LC50 (Rat, 4 h) = > 0.1621 mg/l |

| Hazardous Component(s) | Immediate Health Effects | Delayed Health Effects | Chronic Health Effects |
|------------------------|--------------------------|------------------------|------------------------|
| White mineral oil~ | Irritant | | |
| Calcium oxide | Irritant Corrosive | | Eyes |
| Graphite | | | Lung |
| Calcium distearate | | | |
| Octadecanoic acid | Irritant | | |

| Hazardous Component(s) | NTP Carcinogen | IARC Carcinogen | OSHA Carcinogen (Specifically Regulated) |
|------------------------|----------------|-----------------|--|
| White mineral oil~ | No | No | No |
| Calcium oxide | No | No | No |
| Graphite | No | No | No |
| Calcium distearate | No | No | No |
| Octadecanoic acid | 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.

Canada Transportation of Dangerous Goods - Ground

Proper shipping name: Not regulated
Hazard class or division: None
Identification number: None
Packing group: None

International Air Transportation (ICAO/IATA)

Proper shipping name: Not regulated
Hazard class or division: None
Identification number: None
Packing group: None

Water Transportation (IMO/IMDG)

Proper shipping name: Not regulated
Hazard class or division: None
Identification number: None
Packing group: None

15. REGULATORY INFORMATION

Canada Regulatory Information

CEPA DSL/NDSL Status: All components are listed on or are exempt from listing on the Canadian Domestic Substances List.

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.

16. OTHER INFORMATION

This safety data sheet contains changes from the previous version in sections: 3, 4, 11

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