

111-156



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1. PRODUCT AND COMPANY IDENTIFICATION

Product name: LOCTITE LB 8034 SYN. GREASE HIGH PERFORM. known as LOCTITE® ViperLube® High Perfo IDH number: 457456

Product type: Lubricant Item number: 36781

Restriction of Use: None identified Region: Canada

Company address: Henkel Canada Corporation Contact information: Telephone: +1 (905) 814-6511
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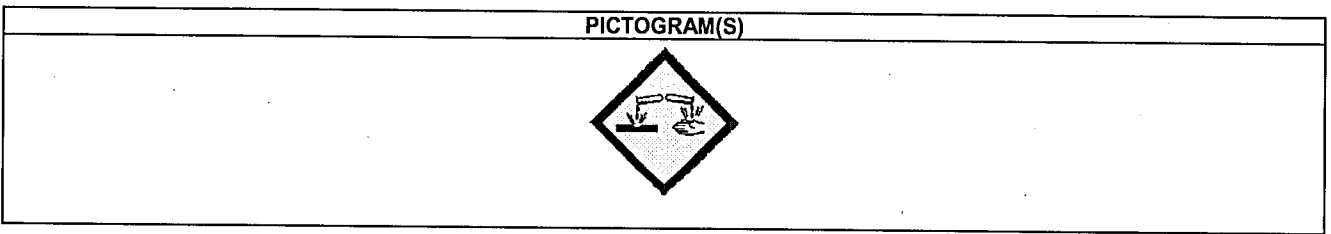
Part Number
36781

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

DANGER: CAUSES SKIN IRRITATION.
CAUSES SERIOUS EYE DAMAGE.

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



Precautionary Statements

Prevention: Wash affected area thoroughly after handling. Wear protective gloves, eye protection, and face protection.

Response: 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. If skin irritation occurs: Get medical attention. Take off contaminated clothing.

Storage: Not prescribed

Disposal: Not prescribed

Classification complies with Canadian Hazardous Products Regulations (WHMIS 2015) 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 %* |
|--|------------|-----------|
| 1-Decene, homopolymer, hydrogenated | 68037-01-4 | 50 - 60 |
| Distillates (petroleum), solvent-dewaxed - heavy paraffinic < 3%DMSO | 64742-65-0 | 5 - 10 |
| Calcium carbonate | 471-34-1 | 5 - 10 |

IDH number: 457456 Product name: LOCTITE LB 8034 SYN. GREASE HIGH PERFORM. known as LOCTITE® ViperLube® High Perfo

| | | |
|--|------------|--------|
| Zinc oxide | 1314-13-2 | 5 - 10 |
| Diboron calcium tetraoxide | 13701-64-9 | 1 - 5 |
| Benzenesulfonic acid, C10- 60-alkyl derivatives, calcium salts | 90194-27-7 | 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

| | |
|----------------------|--|
| Inhalation: | Move to fresh air. If symptoms persist, seek medical advice. |
| Skin contact: | If high pressure forces the product under the skin get immediate medical attention. If hot material contacts the skin, immediately cool before attempting removal. Wash with soap and water. If symptoms develop and persist, get medical attention. |
| 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. Aspiration may cause pulmonary edema and pneumonitis. Get medical attention. |
| Symptoms: | See Section 11. |

5. FIRE FIGHTING MEASURES

| | |
|---|---|
| Extinguishing media: | Water fog. Foam Small Fires: Dry chemical. Sand. Large fires: Treat as oil fire. Vermiculite. |
| Special firefighting procedures: | Water spray may be ineffective. Oil will float on water and can spread fire. |
| Unusual fire or explosion hazards: | None |
| Hazardous combustion products: | Oxides of sulfur. 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. Prevent further leakage or spillage if safe to do so. |
| Clean-up methods: | Clean-up methods - large spillage. Flush with water. Follow all local, state, federal and provincial regulations for disposal. |

7. HANDLING AND STORAGE

| | |
|------------------|---|
| Handling: | Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling. Keep container closed. |
| Storage: | Keep in a cool, well ventilated area. |

Shelf Life Statement: Not available.

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 |
|--|--|--|-----------|-------|
| 1-Decene, homopolymer, hydrogenated | 5 mg/m3 TWA mist 10 mg/m3 STEL mist | 5 mg/m3 TWA mist | None | None |
| Distillates (petroleum), solvent-dewaxed heavy paraffinic < 3%DMSO | 5 mg/m3 TWA Inhalable fraction. | 500 ppm (2;000 mg/m3) PEL 5 mg/m3 PEL Mist. | None | None |
| Calcium carbonate | 10 mg/m3 TWA Total dust. | 5 mg/m3 PEL Respirable fraction. 15 mg/m3 PEL Total dust. | None | None |
| Zinc oxide | 2 mg/m3 TWA Respirable fraction. 10 mg/m3 STEL Respirable fraction. | 5 mg/m3 PEL Fume. 5 mg/m3 PEL Respirable fraction. 15 mg/m3 PEL Total dust. | None | None |
| Diboron calcium tetraoxide | 6 mg/m3 STEL Inhalable fraction. 2 mg/m3 TWA Inhalable fraction. | None | None | None |
| Benzenesulfonic acid, C10- 60-alkyl derivatives, calcium salts | None | None | None | None |

Engineering controls:

Use only with adequate ventilation. Local exhaust ventilation is recommended when general ventilation is not sufficient to control airborne contamination below occupational exposure limits.

Respiratory protection:

If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSH. Observe OSHA regulations for respirator use (29 CFR 1910.134).

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.

Skin protection:

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

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|-----------------------------|
| Physical state: | Semi-Solid |
| Color: | White |
| Odor: | Mild, Petroleum |
| Odor threshold: | Not available. |
| pH: | Not available. |
| Vapor pressure: | Not available. |
| Boiling point/range: | Not available. |
| Melting point/ range: | Not available. |
| Specific gravity: | 0.95 - 1.05 at 25 °C (77°F) |
| Vapor density: | Not available. |
| Flash point: | > 180 °C (> 356°F) |
| Flammable/Explosive limits - lower: | Not available. |
| Flammable/Explosive limits - upper: | Not available. |
| Autoignition temperature: | Not determined |
| Flammability: | Not applicable |
| Evaporation rate: | Not available. |
| Solubility in water: | Negligible |
| Partition coefficient (n-octanol/water): | Not determined |
| VOC content: | 2.89 %; 28.9 g/l |
| Viscosity: | Not available. |
| Decomposition temperature: | Not available. |

10. STABILITY AND REACTIVITY

Stability: Stable at normal conditions.

Hazardous reactions: Will not occur.

Hazardous decomposition products: Oxides of sulfur. Oxides of carbon.

Incompatible materials: Oxidizing agents.

Reactivity: Not available.

Conditions to avoid: None known

11. TOXICOLOGICAL INFORMATION

Relevant routes of exposure: Skin, Inhalation, Eyes

Potential Health Effects/Symptoms

Inhalation: 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: Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

| Hazardous Component(s) | LD50s and LC50s | Immediate and Delayed Health Effects |
|--|--|--|
| 1-Decene, homopolymer, hydrogenated | None | No Target Organs |
| Distillates (petroleum), solvent-dewaxed heavy paraffinic < 3%DMSO | None | Irritant |
| Calcium carbonate | Oral LD50 (Rat) = 6,450 mg/kg Oral LD50 (Mouse) = 6,450 mg/kg | Nuisance dust |
| Zinc oxide | Oral LD50 (Mouse) = 7,950 mg/kg Oral LD50 (Rat) = > 5 g/kg Inhalation LC50 (Mouse, 4 h) = > 5.7 mg/l | Blood, Gastrointestinal, Immune system, Irritant, Kidney, Metabolic, Nervous System, Pancreas, Respiratory, Skin |
| Diboron calcium tetraoxide | None | No Records |
| Benzenesulfonic acid, C10- 60-alkyl derivatives, calcium salts | None | No Records |

| Hazardous Component(s) | NTP Carcinogen | IARC Carcinogen | OSHA Carcinogen (Specifically Regulated) |
|--|----------------|-----------------|--|
| 1-Decene, homopolymer, hydrogenated | No | No | No |
| Distillates (petroleum), solvent-dewaxed heavy paraffinic < 3%DMSO | No | No | No |
| Calcium carbonate | No | No | No |
| Zinc oxide | No | No | No |
| Diboron calcium tetraoxide | No | No | No |
| Benzenesulfonic acid, C10- 60-alkyl derivatives, calcium salts | 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 package/configuration.

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: Environmentally hazardous substance, solid, n.o.s. (Zinc oxide)
Hazard class or division: 9
Identification number: UN 3077
Packing group: III

Water Transportation (IMO/IMDG)

Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Zinc oxide)
Hazard class or division: 9
Identification number: UN 3077
Packing group: III
Marine pollutant: Zinc oxide
Additional information: IMDG-Code: Segregation group 7- Heavy metals and their salts

15. REGULATORY INFORMATION

Canada Regulatory Information

CEPA DSL/NDL 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 or are exempt from listing on the Toxic Substances Control Act Inventory.

16. OTHER INFORMATION

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

Prepared by: Cara R. Rivera, Regulatory Affairs Specialist

Issue date: 08/11/2017

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| Hazardous Component(s) | ACGIH TLV | OSHA PEL | AIHA WEEL | OTHER |
|------------------------|---|---|-----------|-------|
| Limestone | 10 mg/m3 TWA Total dust. | 5 mg/m3 PEL Respirable fraction. 15 mg/m3 PEL Total dust. | None | None |
| Quartz (SiO2) | 0.025 mg/m3 TWA Respirable fraction. | 2.4 MPPCF TWA Respirable. 0.1 mg/m3 TWA Respirable. 0.05 mg/m3 TWA (Respirable dust.) (Respirable dust.) 0.025 mg/m3 OSHA_ACT (Respirable dust.) 0.05 mg/m3 PEL Respirable dust. | None | None |

Engineering controls: General room ventilation is usually adequate.

Respiratory protection: No special measures required if used properly.

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: | Aerosol |
| Color: | white |
| Odor: | Ester-like |
| Odor threshold: | Not available. |
| pH: | 7 - 9 |
| Vapor pressure: | 17.5 mbar (20 °C (68°F)) no method |
| Boiling point/range: | > 100 °C (> 212°F) |
| Melting point/ range: | Not available. |
| Specific gravity: | 1.03 - 1.07 (Water = 1) |
| Vapor density: | Heavier than air, (Air = 1) |
| Flash point: | > 93.3 °C (> 199.94 °F) |
| Flashback: | None |
| Flame projection: | 0.00 cm (0inch) |
| Flammable/Explosive limits - lower: | Not available. |
| Flammable/Explosive limits - upper: | Not available. |
| Autoignition temperature: | Not available. |
| Flammability: | The substance or mixture is a flammable aerosol with the category 2. |
| Evaporation rate: | 0.3 (Butyl acetate = 1) |
| Solubility in water: | Soluble |
| Partition coefficient (n-octanol/water): | Not available. |
| VOC content: | 0.1 %; 14 g/l (by weight, calculated using CARB method; g/L less water, less exempts calculated using SCAQMD method) |
| Viscosity: | 0 - 1,000,000 cp |
| 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: Irritating organic vapours.

Incompatible materials: This product may react with strong acids, bases and oxidizing agents.

Reactivity: Not available.

Conditions to avoid: Keep away from heat, spark and flame. Freezing conditions.

11. TOXICOLOGICAL INFORMATION

Relevant routes of exposure: Eyes, Skin

Potential Health Effects/Symptoms

Inhalation: 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: Prolonged or repeated contact with uncured sealant may cause skin irritation.

Eye contact: Contact with uncured product may irritate the eyes.

Ingestion: Ingestion of this product is unlikely. However, ingestion of product may produce gastrointestinal irritation and disturbances.

| Hazardous Component(s) | LD50s and LC50s | Immediate and Delayed Health Effects |
|----------------------------|-----------------|---|
| Limestone | None | Nuisance dust |
| Quartz (SiO ₂) | None | Immune system, Lung, Some evidence of carcinogenicity |

| Hazardous Component(s) | NTP Carcinogen | IARC Carcinogen | OSHA Carcinogen (Specifically Regulated) |
|----------------------------|-------------------------------|-----------------|--|
| Limestone | No | No | No |
| Quartz (SiO ₂) | Known To Be Human Carcinogen. | Group 1 | Yes |

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.

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.

Canada Transportation of Dangerous Goods - Ground

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

Water Transportation (IMO/IMDG)

Proper shipping name: AEROSOLS
Hazard class or division: 2.1
Identification number: UN 1950
Packing group: None

15. REGULATORY INFORMATION

Canada Regulatory Information

CEPA DSL/NDL 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 or are exempt from listing on the Toxic Substances Control Act Inventory.

16. OTHER INFORMATION

This safety data sheet contains changes from the previous version in sections: This Safety Data Sheet contains changes from the previous version in Section(s): 2

Prepared by: Product Safety and Regulatory Affairs

Issue date: 10/02/2017

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