



Revision Number: 001.2

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1. PRODUCT AND COMPANY IDENTIFICATION

Product name: LOCTITE HD AntiSeize 20g stk EN
Product use: Lubricant
Company address: Henkel Canada Corporation
 2515 Meadowpine Boulevard
 Mississauga, Ontario L5N 6C3

IDH number: 864067
Item number: 41205
Region: Canada
Contact information:
 Telephone: 905.814.6511
 Emergency telephone: 905.814.6511
 Internet: www.henkelna.com

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Physical state: Solid
Color: black
Odor: mild, Petroleum
WHMIS hazard class: D.2.B

CAUTION: MAY CAUSE EYE AND SKIN IRRITATION.

Relevant routes of exposure: Skin, Eyes

Potential Health Effects

Inhalation: May cause respiratory tract irritation. This product has low volatility and is not expected to cause respiratory tract irritation during normal conditions of use.
Skin contact: Prolonged or repeated contact may cause irritation.
Eye contact: Contact with eyes will cause irritation.
Ingestion: Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Principal hazard of ingestion is aspiration into the lungs and subsequent pneumonitis.

Existing conditions aggravated by exposure: Eye, skin, and respiratory disorders.

See Section 11 for additional toxicological information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

| Hazardous components | CAS NUMBER | % |
|--|------------|---------|
| Distillates (petroleum), hydrotreated heavy naphthenic | 64742-52-5 | 30 - 60 |
| Mineral oil light naphthenic hydrotreat. <3% DMSO | 64742-53-6 | 10 - 30 |
| Calcium fluoride | 7789-75-5 | 10 - 30 |
| Graphite | 7782-42-5 | 10 - 30 |
| Calcium distearate | 1592-23-0 | 1 - 5 |

4. FIRST AID MEASURES

Inhalation: Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Skin contact: Wash with soap and water. Remove contaminated clothing and footwear. 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. Aspiration may cause pulmonary edema and pneumonitis. Get medical attention.

5. FIRE FIGHTING MEASURES

Flash point: Not classified as a flammable solid per DOT Classification Guidelines Part 173 Appendix H 7/10/2002.

Autoignition temperature: Not determined

Flammable/Explosive limits - lower: Not determined

Flammable/Explosive limits - upper: Not determined

Extinguishing media: Carbon dioxide. Dry chemical. foam Water spray or fog.

Special firefighting procedures: Not available.

Unusual fire or explosion hazards: Not available.

Hazardous combustion products: Oxides of carbon.

Sensitivity to Mechanical Impact: Not available.

Sensitivity to static discharge: Not available.

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 material to contaminate ground water system.

Clean-up methods: Scrape up as much material as possible. Clean residue with soap and water. Follow all local, state, federal and provincial regulations for disposal.

7. HANDLING AND STORAGE

Handling: Keep container closed. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.

Storage: For safe storage, store between 15 °C (59°F) and 49 °C (120.2 °F)

For information on product shelf life contact Henkel Canada Customer Service at (905) 814-6511.

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 components | ACGIH TLV | OSHA PEL | AIHA WEEL | OTHER |
|--|---|--|-----------|-------|
| Distillates (petroleum), hydrotreated heavy naphthenic | 5 mg/m3 TWA mist 10 mg/m3 STEL mist 5 mg/m3 TWA Inhalable fraction. | 5 mg/m3 TWA mist 500 ppm (2,000 mg/m3) TWA 5 mg/m3 TWA Mist. | None | None |
| Mineral oil light naphthenic hydrotreat. <3% DMSO | 5 mg/m3 TWA Inhalable fraction. | 500 ppm (2,000 mg/m3) TWA 5 mg/m3 TWA Mist. | None | None |
| Calcium fluoride | 2.5 mg/m3 TWA (as F) | 2.5 mg/m3 TWA Dust. 2.5 mg/m3 TWA (as F) | None | None |
| Graphite | 2 mg/m3 TWA Respirable fraction. | 5 mg/m3 TWA Respirable fraction. 15 mg/m3 TWA Total dust. 15 MPPCF TWA | None | None |
| Calcium distearate | 10 mg/m3 TWA 3 mg/m3 TWA Respirable fraction. | 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:

Use NIOSH approved respirator if there is potential to exceed exposure limit(s). Observe OSHA regulations for respirator use (29 CFR 1910.134).

Eye/face protection:

Safety goggles or safety glasses with side shields.

Skin protection:

Cover as much of the exposed skin area as possible with appropriate clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|--|
| Physical state: | Solid |
| Color: | black |
| Odor: | mild, Petroleum |
| Odor threshold: | Not available. |
| pH: | Not applicable |
| Vapor pressure: | Not determined |
| Boiling point/range: | Not available. |
| Melting point/ range: | Not available. |
| Specific gravity: | 1.1777 |
| Vapor density: | Not available. |
| Flash point: | Not classified as a flammable solid per DOT Classification Guidelines Part 173 Appendix H 7/10/2002. |
| Flammable/Explosive limits - lower: | Not determined |
| Flammable/Explosive limits - upper: | Not determined |
| Autoignition temperature: | Not determined |
| Evaporation rate: | Not determined |
| Solubility in water: | Not available. |
| Partition coefficient (n-octanol/water): | Not determined |
| VOC content: | 13.3 %; 157 g/l |

10. STABILITY AND REACTIVITY

| | |
|--|---------------------------------|
| Stability: | Stable at normal conditions. |
| Hazardous reactions: | Will not occur. |
| Hazardous decomposition products: | Oxides of carbon. Hydrocarbons. |
| Incompatible materials: | Acids. Alkalis. |
| Conditions to avoid: | None known |

11. TOXICOLOGICAL INFORMATION

Toxicologically synergistic products: Not available.

Refer to the following for Irritancy of Product, Sensitization to Product, Carcinogenicity, Reproductive Toxicity, Teratogenicity, and Mutagenicity.

| Hazardous components | NTP Carcinogen | IARC Carcinogen | OSHA Carcinogen (Specifically Regulated) | ACGIH Carcinogen |
|--|----------------|-----------------|--|------------------|
| Distillates (petroleum), hydrotreated heavy naphthenic | No | No | No | Group A4 |
| Mineral oil light naphthenic hydrotreat. <3% DMSO | No | No | No | Group A4 |
| Calcium fluoride | No | No | No | Group A4 |
| Graphite | No | No | No | No |
| Calcium distearate | No | No | No | Group A4 |

| Hazardous components | LD50s and LC50s | Health Effects/Target Organs |
|--|-------------------------------|------------------------------|
| Distillates (petroleum), hydrotreated heavy naphthenic | None | Irritant |
| Mineral oil light naphthenic hydrotreat. <3% DMSO | None | Irritant |
| Calcium fluoride | Oral LD50 (RAT) = 4,250 mg/kg | Teeth, Muscle, Respiratory |
| Graphite | None | Lung |
| Calcium distearate | None | No Target Organs |

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

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

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulation (CPR), and the MSDS contains all the information required by the CPR.

Prepared by: Lou Fabrizio, Regulatory Affairs Specialist

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