



Revision Number: 004.0

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## 1. PRODUCT AND COMPANY IDENTIFICATION

|                               |                                                                     |                     |               |
|-------------------------------|---------------------------------------------------------------------|---------------------|---------------|
| <b>Product name:</b>          | <b>LOCTITE LB 8423 DIELECTRIC GREASE known as Dielectric Grease</b> | <b>IDH number:</b>  | 270640        |
| <b>Product type:</b>          | Lubricant                                                           | <b>Item number:</b> | 30536         |
| <b>Restriction of Use:</b>    | None identified                                                     | <b>Region:</b>      | United States |
| <b>Company address:</b>       | <b>Contact information:</b>                                         |                     |               |
| 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

NOT CLASSIFIED. READ ENTIRE SAFETY DATA SHEET.

| HAZARD CLASS | HAZARD CATEGORY |
|--------------|-----------------|
| None         | None            |

  

| PICTOGRAM(S) |
|--------------|
| None         |

### Precautionary Statements

|                    |                |
|--------------------|----------------|
| <b>Prevention:</b> | Not prescribed |
| <b>Response:</b>   | Not prescribed |
| <b>Storage:</b>    | Not prescribed |
| <b>Disposal:</b>   | Not prescribed |

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* |
|----------------------------------------|-------------|-------------|
| Silica, amorphous, fumed, crystal-free | 112945-52-5 | 5 - 10      |

\* Exact percentages may vary or are trade secret. Concentration range is provided to assist users in providing appropriate protections.

## 4. FIRST AID MEASURES

|                      |                                                                                                                                                     |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Inhalation:</b>   | Move to fresh air. If symptoms develop and persist, get medical attention. If breathing is difficult, give oxygen. Get immediate medical attention. |
| <b>Skin contact:</b> | Wash with soap and water. If symptoms develop and persist, get medical attention.                                                                   |

**Eye contact:** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists, consult a specialist.

**Ingestion:** Do not induce vomiting. Get medical attention.

**Symptoms:** See Section 11.

## 5. FIRE FIGHTING MEASURES

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

**Special firefighting procedures:** Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.

**Unusual fire or explosion hazards:** Closed containers may rupture (due to build up of pressure) when exposed to extreme heat.

**Hazardous combustion products:** Oxides of carbon. Formaldehyde. Toxic and irritating vapors.

## 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:** Ventilate area. Do not allow product to enter sewer or waterways.

**Clean-up methods:** Scrape up spilled material and place in a closed container for disposal.

## 7. HANDLING AND STORAGE

**Handling:** Avoid contact with eyes, skin and clothing. Use only with adequate ventilation.

**Storage:** Keep away from heat, spark and flame. Keep in a cool, well ventilated area.

## 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 |
|----------------------------------------|------------------------------------------------------------------------|-------------------------------|-----------|-------|
| Silica, amorphous, fumed, crystal-free | 10 mg/m3 TWA<br>Inhalable dust.<br>3 mg/m3 TWA<br>Respirable fraction. | 20 MPPCF TWA<br>0.8 mg/m3 TWA | None      | None  |

**Engineering controls:** Use local ventilation if general ventilation is insufficient to maintain vapor concentration below established 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:** Chemical resistant, impermeable gloves.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical state:** Liquid

**Color:** Clear

**Odor:** Mild

**Odor threshold:** Not available.

**pH:** Not applicable

**Vapor pressure:** < 5 mm hg (77 °F (25°C))

|                                                 |                                                                        |
|-------------------------------------------------|------------------------------------------------------------------------|
| <b>Boiling point/range:</b>                     | > 300 °F (> 148.9 °C)None                                              |
| <b>Melting point/ range:</b>                    | Not available.                                                         |
| <b>Specific gravity:</b>                        | 0.86                                                                   |
| <b>Vapor density:</b>                           | Heavier than air.                                                      |
| <b>Flash point:</b>                             | > 260 °C (> 500°F) HST-US D09F; Flash/Fire Point By Cleveland Open Cup |
| <b>Flammable/Explosive limits - lower:</b>      | Not available.                                                         |
| <b>Flammable/Explosive limits - upper:</b>      | Not available.                                                         |
| <b>Autoignition temperature:</b>                | Not determined                                                         |
| <b>Flammability:</b>                            | Not applicable                                                         |
| <b>Evaporation rate:</b>                        | Not available.                                                         |
| <b>Solubility in water:</b>                     | Not available.                                                         |
| <b>Partition coefficient (n-octanol/water):</b> | More soluble in octanol.                                               |
| <b>VOC content:</b>                             | 0 %; 0 g/l                                                             |
| <b>Viscosity:</b>                               | Not available.                                                         |
| <b>Decomposition temperature:</b>               | Not available.                                                         |

## 10. STABILITY AND REACTIVITY

|                                          |                                                         |
|------------------------------------------|---------------------------------------------------------|
| <b>Stability:</b>                        | Stable at normal conditions.                            |
| <b>Hazardous reactions:</b>              | Will not occur.                                         |
| <b>Hazardous decomposition products:</b> | Formaldehyde. Oxides of carbon.                         |
| <b>Incompatible materials:</b>           | Strong acids and strong bases. Strong oxidizing agents. |
| <b>Reactivity:</b>                       | Not available.                                          |
| <b>Conditions to avoid:</b>              | Excessive heat. Store away from incompatible materials. |

## 11. TOXICOLOGICAL INFORMATION

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

### Potential Health Effects/Symptoms

|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Inhalation:</b>   | When heated to temperatures exceeding 300° F (150° C) in the presence of air, silicones may form formaldehyde vapors. Formaldehyde is a potential cancer hazard and a known skin and respiratory sensitizer. Vapors irritate the eyes, nose and throat. Safe handling conditions may be maintained by keeping formaldehyde vapor concentrations below the OSHA permissible limit. Mist or spray may cause respiratory tract irritation and delayed onset pulmonary edema. |
| <b>Skin contact:</b> | May cause skin irritation.                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Eye contact:</b>  | May cause eye irritation.                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Ingestion:</b>    | 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 |
|----------------------------------------|-----------------|--------------------------------------|
| Silica, amorphous, fumed, crystal-free | None            | Nuisance dust                        |

| Hazardous Component(s)                 | NTP Carcinogen | IARC Carcinogen | OSHA Carcinogen (Specifically Regulated) |
|----------------------------------------|----------------|-----------------|------------------------------------------|
| Silica, amorphous, fumed, crystal-free | 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.

**Hazardous waste number:** Not a RCRA hazardous waste.

### 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:** 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

#### 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:** Immediate Health

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

**California Proposition 65:** This product contains a chemical known in the State of California to cause cancer. This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

#### 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, 3, 11

**Prepared by:** Product Safety and Regulatory Affairs

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