



Revision Number: 004.0

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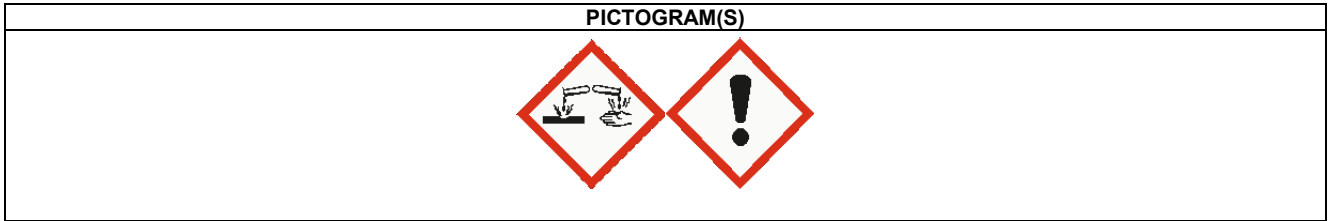
**1. IDENTIFICATION**

|                               |                        |  |               |
|-------------------------------|------------------------|--|---------------|
| <b>Product name:</b>          | <b>LOCTITE LB 8023</b> | <b>IDH number:</b>                             | 299175        |
| <b>Product type/</b>          | Lubricant              | <b>Item number:</b>                            | 34395         |
| <b>Recommended use:</b>       |                        | <b>Region:</b>                                 | United States |
| <b>Restriction of Use:</b>    | None identified        | <b>Contact information:</b>                    |               |
| <b>Company address:</b>       |                        | Telephone: +1 (860) 571-5100                   |               |
| Henkel Corporation            |                        | MEDICAL EMERGENCY Phone: Poison Control Center |               |
| One Henkel Way                |                        | 1-877-671-4608 (toll free) or 1-303-592-1711   |               |
| Rocky Hill, Connecticut 06067 |                        | TRANSPORT EMERGENCY Phone: CHEMTREC            |               |
|                               |                        | 1-800-424-9300 (toll free) or 1-703-527-3887   |               |
|                               |                        | MEDICAL EMERGENCY Phone: Poison Control Center |               |
|                               |                        | 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.henkeln.com                      |               |

**2. HAZARDS IDENTIFICATION**

| EMERGENCY OVERVIEW |  |
|--------------------|--|
| <b>DANGER:</b>     | H315 - CAUSES SKIN IRRITATION.<br>H317 - MAY CAUSE AN ALLERGIC SKIN REACTION.<br>H318 - CAUSES SERIOUS EYE DAMAGE. |

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



**Precautionary Statements**

|                    |   |
|--------------------|---|
| <b>Prevention:</b> | P261 - Avoid breathing mist/vapours.<br>P264 - Wash affected area thoroughly after handling.<br>P272 - Contaminated work clothing should not be allowed out of the workplace.   |
| <b>Response:</b>   | P280 - Wear protective gloves, eye protection, and face protection.<br>P302+P352 - IF ON SKIN: Wash with plenty of water.<br>P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.<br>P333+P313 - If skin irritation or rash occurs: Get medical attention. |
| <b>Storage:</b>    | P362+P364 - Take off contaminated clothing and wash it before reuse.  |
| <b>Disposal:</b>   | Not prescribed<br>P501 - Dispose of contents and/or container according to Federal, State/Provincial and local governmental regulations.  |

**Other hazards** Not available.

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 | Weight %* |
|--|------------|-----------|
| Residual oils (petroleum), solvent-refined, <3% DMSO           | 64742-01-4 | 10 - 30   |
| Calcium oxide  | 1305-78-8  | 10 - 30   |
| Distillates (petroleum), hydrotreated heavy naphthenic         | 64742-52-5 | 10 - 30   |
| Graphite   | 7782-42-5  | 10 - 30   |
| Distillates (petroleum), solvent-refined heavy paraffinic      | 64741-88-4 | 10 - 30   |
| Calcium distearate   | 1592-23-0  | 5 - 10    |
| Calcium dodecylbenzene sulfonate                               | 26264-06-2 | 1 - 5     |
| Calcium dihydroxide  | 1305-62-0  | 1 - 5     |
| Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts | 70024-69-0 | 1 - 5     |
| Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts      | 68584-23-6 | 1 - 5     |
| Sulfonic acids, petroleum, calcium salts                       | 61789-86-4 | 1 - 5     |
| Petroleum distillates, hydrotreated, light naphthenic          | 64742-53-6 | 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

|  |   |
|--|---|
| <b>Inhalation:</b>   | Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. If symptoms develop and persist, get medical attention. |
| <b>Skin contact:</b>   | Wash with soap and water. Remove contaminated clothing and footwear. If symptoms develop and persist, get medical attention. Wash clothing before reuse.          |
| <b>Eye contact:</b>  | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.   |
| <b>Ingestion:</b>  | Keep individual calm. Do not induce vomiting. Get medical attention.  |
| <b>Most important symptoms and effects (acute and delayed):</b>                  | The most important known symptoms and effects, both acute and delayed, are described in Section 11: Toxicological Information.                                    |
| <b>Indication of any immediate medical attention / special treatment needed:</b> | Not available.  |

### 5. FIRE FIGHTING MEASURES

|   |   |
|---|---|
| <b>Extinguishing media:</b>               | Carbon dioxide, foam, powder  |
| <b>Improper extinguishing agents:</b>     | Not available.  |
| <b>Special firefighting procedures:</b>   | Wear a self-contained breathing apparatus with a full face piece operated in pressure-demand or other positive pressure mode. |
| <b>Unusual fire or explosion hazards:</b> | In case of fire, keep containers cool with water spray.   |

**Hazardous combustion products:**

Oxides of nitrogen. Oxides of carbon. Oxides of sulfur. Calcium oxide. Toxic fumes.

## 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:**

Scrape up as much material as possible. Clean residue with soap and water. Store in a partly filled, closed container until disposal. Refer to Section 8 "Exposure Controls / Personal Protection" prior to clean up.

## 7. HANDLING AND STORAGE

**Handling:**

Use only with adequate ventilation. Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling. Keep container closed.

**Storage:**

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

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 |
|---|---|---|-----------|-------|
| Residual oils (petroleum), solvent-refined, <3% DMSO      | 5 mg/m3 TWA<br>Inhalable fraction.  | None  | None      | None  |
| Calcium oxide   | 2 mg/m3 TWA   | 5 mg/m3 PEL   | None      | None  |
| Distillates (petroleum), hydrotreated heavy naphthenic    | 5 mg/m3 TWA<br>Inhalable fraction.  | 5 mg/m3 PEL Mist.<br>500 ppm (2,000 mg/m3) PEL  | None      | None  |
| Graphite  | 2 mg/m3 TWA<br>Respirable fraction.   | 5 mg/m3 PEL<br>Respirable fraction.<br>15 mg/m3 PEL<br>Total dust.<br>5 mg/m3 PEL<br>Respirable fraction.<br>15 mg/m3 PEL<br>Total dust.  | None      | None  |
| Distillates (petroleum), solvent-refined heavy paraffinic | 5 mg/m3 TWA<br>Inhalable fraction.<br>5 mg/m3 TWA mist<br>10 mg/m3 STEL<br>mist                                   | 5 mg/m3 TWA mist<br>500 ppm (2,000 mg/m3) PEL<br>5 mg/m3 PEL Mist.  | None      | None  |
| Calcium distearate  | 3 mg/m3 TWA<br>Respirable fraction.<br>3 mg/m3 TWA<br>Respirable fraction.<br>10 mg/m3 TWA<br>Inhalable fraction. | None  | None      | None  |
| Calcium dihydroxide                                       | 5 mg/m3 TWA   | 5 mg/m3 PEL<br>Respirable fraction.<br>15 mg/m3 PEL<br>Total dust.<br>50 MPPCF TWA<br>Total dust.<br>5 mg/m3 TWA<br>Respirable fraction.<br>15 MPPCF TWA<br>Respirable fraction.<br>15 mg/m3 TWA<br>Total dust. | None      | None  |

|                                |   |
|--------------------------------|---|
| <b>Engineering controls:</b>   | Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits.   |
| <b>Respiratory protection:</b> | Observe OSHA regulations for respirator use (29 CFR 1910.134). Use NIOSH approved respirator if there is potential to exceed exposure limit(s). |
| <b>Eye/face protection:</b>    | Safety goggles or safety glasses with side shields. Safety showers and eye wash stations should be available.                                   |
| <b>Skin protection:</b>        | Use impermeable gloves and protective clothing as necessary to prevent skin contact.  |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|   |  |
|---|--|
| <b>Physical state:</b>  | Paste  |
| <b>Color:</b>   | Black  |
| <b>Odor:</b>  | Mild   |
| <b>Odor threshold:</b>  | Not available.                                     |
| <b>pH:</b>  | Not applicable, Product is non-soluble (in water). |
| <b>Vapor pressure:</b>  | Not available.                                     |
| <b>Boiling point/range:</b>                                       | Not available.                                     |
| <b>Melting point/ range:</b>                                      | Not applicable, Product is a liquid                |
| <b>Density/Relative density:</b>                                  | 1.2648   |
| <b>Relative vapor density:</b>                                    | Not available.                                     |
| <b>Flash point:</b>   | Not applicable                                     |
| <b>Flammable/Explosive limits - lower:</b>                        | Not available.                                     |
| <b>Flammable/Explosive limits - upper:</b>                        | Not available.                                     |
| <b>Autoignition temperature:</b>                                  | Not available.                                     |
| <b>Flammability:</b>  | Not applicable                                     |
| <b>Evaporation rate:</b>  | Not available.                                     |
| <b>Solubility:</b>  | Insoluble Water                                    |
| <b>Partition coefficient n-octanol/water (logarithmic value):</b> | Not available.                                     |
| <b>VOC content:</b>   | < 3 %; 38.4 g/l EPA Method 24                      |
| <b>Dynamic viscosity:</b>   | Not available.                                     |
| <b>Kinematic viscosity:</b>                                       | Not available.                                     |
| <b>Particle characteristics:</b>                                  | Not applicable, Product is a liquid                |
| <b>Decomposition temperature:</b>                                 | Not available.                                     |

## 10. STABILITY AND REACTIVITY

|  |   |
|--|---|
| <b>Stability:</b>                        | Stable under normal conditions of storage and use.  |
| <b>Hazardous reactions:</b>              | None under normal processing.   |
| <b>Hazardous decomposition products:</b> | Oxides of carbon. Oxides of nitrogen. Oxides of sulfur. Calcium oxide. Toxic fumes.             |
| <b>Incompatible materials:</b>           | Strong acids and strong bases. Strong oxidizing agents. Strong reducing agents. Water. Alkalis. |
| <b>Reactivity:</b>                       | Not available.  |
| <b>Conditions to avoid:</b>              | Keep away from heat, ignition sources and incompatible materials. Avoid dust formation.         |

## 11. TOXICOLOGICAL INFORMATION

|                                   |                                   |
|-----------------------------------|-----------------------------------|
| <b>Likely routes of exposure:</b> | Skin, Inhalation, Eyes, Ingestion |
|-----------------------------------|-----------------------------------|

**Potential Health Effects/Symptoms**

**Inhalation:** May cause respiratory tract irritation.  
**Skin contact:** Causes skin irritation. May cause an allergic skin reaction.  
**Eye contact:** Causes serious eye damage.  
**Ingestion:** Principal hazard of ingestion is aspiration into the lungs and subsequent pneumonitis.

| Hazardous Component(s)   | LD50s and LC50s   |
|--|---|
| Residual oils (petroleum), solvent-refined, <3% DMSO           | Inhalation LC50 (Rat, 4 h) = 2.18 mg/l<br>Inhalation LC50 (Rat, 4 h) = > 5.53 mg/l  |
| Calcium oxide  | Inhalation LC50 (Rat, 4 h) = 40 mg/m3<br>Inhalation LC50 (Rat, 4 h) = 160 mg/m3   |
| Distillates (petroleum), hydrotreated heavy naphthenic         | Inhalation LC50 (Rat, 4 h) = > 4.026 mg/l<br>Inhalation LC50 (Rat, 4 h) = 2.18 mg/l<br>Inhalation LC50 (Rat, 4 h) = 10.5 mg/l<br>Inhalation LC50 (Rat, 4 h) = > 5.2 mg/l<br>Inhalation LC50 (Rat, 4 h) = < 5.7 mg/l   |
| Graphite   | Inhalation LC50 (Rat, 4 h) = > 2,000 mg/m3<br>Inhalation LC50 (Rat, 4 h) = > 2,000 mg/m3  |
| Distillates (petroleum), solvent-refined heavy paraffinic      | Inhalation LC50 (Rat, 4 h) = > 5.2 mg/l<br>Inhalation LC50 (Rat, 4 h) = 10.5 mg/l<br>Inhalation LC50 (Rat, 4 h) = 2.18 mg/l<br>Inhalation LC50 (Rat, 4 h) = > 4.026 mg/l  |
| Calcium distearate   | None  |
| Calcium dodecylbenzene sulfonate                               | None  |
| Calcium dihydroxide  | Oral LD50 (Rat) = 7,340 mg/kg   |
| Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts | Inhalation LC50 (Rat, 4 h) = > 1.9 mg/l   |
| Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts      | Inhalation LC50 (Rat, 4 h) = > 1.9 mg/l   |
| Sulfonic acids, petroleum, calcium salts                       | Inhalation LC50 (Rat, 4 h) = > 1.9 mg/l   |
| Petroleum distillates, hydrotreated, light naphthenic          | Inhalation LC50 (Rat, 4 h) = 10.5 mg/l<br>Inhalation LC50 (Rat, 4 h) = > 4.026 mg/l<br>Inhalation LC50 (Rat, 4 h) = > 5.2 mg/l<br>Inhalation LC50 (Rat, 4 h) = 9.6 mg/l<br>Inhalation LC50 (Rat, 4 h) = 2.18 mg/l<br>Inhalation LC50 (Rat, 4 h) = > 5 mg/l<br>Inhalation LC50 (Rat, 4 h) = < 5.7 mg/l |

| Hazardous Component(s)   | Immediate Health Effects | Delayed Health Effects | Chronic Health Effects |
|--|--------------------------|------------------------|------------------------|
| Residual oils (petroleum), solvent-refined, <3% DMSO           | Irritant                 |                        |                        |
| Calcium oxide  | Irritant<br>Corrosive    |                        | Eyes                   |
| Distillates (petroleum), hydrotreated heavy naphthenic         | Irritant                 |                        |                        |
| Graphite   |                          |                        | Lung                   |
| Distillates (petroleum), solvent-refined heavy paraffinic      | Irritant                 |                        |                        |
| Calcium distearate   |                          |                        |                        |
| Calcium dodecylbenzene sulfonate                               | Irritant                 |                        | Eyes                   |
| Calcium dihydroxide  | Irritant<br>Corrosive    |                        |                        |
| Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts |                          |                        |                        |
| Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts      |                          |                        |                        |
| Sulfonic acids, petroleum, calcium salts                       |                          |                        |                        |
| Petroleum distillates, hydrotreated, light naphthenic          | Irritant                 |                        |                        |

| Hazardous Component(s)                                    | NTP Carcinogen | IARC Carcinogen | OSHA Carcinogen (Specifically Regulated) |
|---|----------------|-----------------|--|
| Residual oils (petroleum), solvent-refined, <3% DMSO      | No             | No              | No                                       |
| Calcium oxide   | No             | No              | No                                       |
| Distillates (petroleum), hydrotreated heavy naphthenic    | No             | No              | No                                       |
| Graphite  | No             | No              | No                                       |
| Distillates (petroleum), solvent-refined heavy paraffinic | No             | No              | No                                       |

|  |    |    |    |
|--|----|----|----|
| Calcium distearate   | No | No | No |
| Calcium dodecylbenzene sulfonate                               | No | No | No |
| Calcium dihydroxide  | No | No | No |
| Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts | No | No | No |
| Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts      | No | No | No |
| Sulfonic acids, petroleum, calcium salts                       | No | No | No |
| Petroleum distillates, hydrotreated, light naphthenic          | 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.

### 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 as active or are exempt from listing on the Toxic Substances Control Act (TSCA) 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:** Please refer to the GHS classification in Section 2

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

**CERCLA Reportable quantity:** Calcium dodecylbenzene sulfonate (CAS# 26264-06-2) 1,000 lbs. (454 kg)  
Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts (CAS# 68584-23-6) 1,000 lbs. (454 kg)

**California Proposition 65:** This product contains a chemical known in the State of California to cause cancer.

### Canada Regulatory Information

**CEPA DSL/NDSL 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, 8, 9, 11, 15**

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

**Issue date:** 11/07/2025

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