



## Safety Data Sheet according to Regulation (EC) No 1907/2006

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LOCTITE LB 8009 known as 8009, Heavy Duty A.S.

SDS No. : 153749  
V004.0

Revision: 12.05.2017  
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Replaces version from: 12.06.2015

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

LOCTITE LB 8009 known as 8009, Heavy Duty A.S.

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Intended use:  
Lubricant

#### 1.3. Details of the supplier of the safety data sheet

Henkel Ltd  
Wood Lane End  
HP2 4RQ Hemel Hempstead

Great Britain

Phone: +44 1442 278000  
Fax-no.: +44 1442 278071

ua-productsafety.uk@henkel.com

#### 1.4. Emergency telephone number

24 Hours Emergency Tel: +44 (0)1442 278497

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification (CLP):

The substance or mixture is not hazardous according to Regulation (EC) No 1272/2008 (CLP).

#### 2.2. Label elements

##### Label elements (CLP):

The substance or mixture is not hazardous according to Regulation (EC) No 1272/2008 (CLP).

**Supplemental information** EUH210 Safety data sheet available on request.

#### 2.3. Other hazards

None if used properly.

Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.

**SECTION 3: Composition/information on ingredients****3.2. Mixtures****General chemical description:**

Lubricant

**Declaration of the ingredients according to CLP (EC) No 1272/2008:**

| Hazardous components<br>CAS-No.   | EC Number<br>REACH-Reg No.    | content   | Classification      |
|---|-------------------------------|-----------|---------------------|
| Mineral oil~  |                               | 10- 20 %  | Asp. Tox. 1<br>H304 |
| Calcium fluoride<br>7789-75-5   | 232-188-7                     | 10- 20 %  |                     |
| Distillates (petroleum), hydrotreated light<br>naphthenic < 3% DMSO<br>64742-53-6 | 265-156-6<br>01-2119480375-34 | 1- < 10 % | Asp. Tox. 1<br>H304 |

For full text of the H - statements and other abbreviations see section 16 "Other information".  
Substances without classification may have community workplace exposure limits available.

**SECTION 4: First aid measures****4.1. Description of first aid measures****Inhalation:**

Move to fresh air. If symptoms persist, seek medical advice.

**Skin contact:**

Rinse with running water and soap.

Seek medical advice.

**Eye contact:**

Rinse immediately with plenty of running water (for 10 minutes). Seek medical attention if necessary.

**Ingestion:**

Rinse out mouth, drink 1-2 glasses of water, do not induce vomiting.

Seek medical advice.

**4.2. Most important symptoms and effects, both acute and delayed**

Prolonged or repeated contact may cause skin irritation.

Prolonged or repeated contact may cause eye irritation.

**4.3. Indication of any immediate medical attention and special treatment needed**

See section: Description of first aid measures

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media:**

Carbon dioxide, foam, powder

**Extinguishing media which must not be used for safety reasons:**

High pressure waterjet

**5.2. Special hazards arising from the substance or mixture**

Oxides of carbon, oxides of nitrogen, irritating organic vapors.

**5.3. Advice for firefighters**

Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.

**Additional information:**

In case of fire, keep containers cool with water spray.

**SECTION 6: Accidental release measures**

**6.1. Personal precautions, protective equipment and emergency procedures**

Avoid skin and eye contact.

Ensure adequate ventilation.

**6.2. Environmental precautions**

Do not let product enter drains.

**6.3. Methods and material for containment and cleaning up**

For small spills wipe up with paper towel and place in container for disposal.

For large spills absorb onto inert absorbent material and place in sealed container for disposal.

**6.4. Reference to other sections**

See advice in section 8

**SECTION 7: Handling and storage**

**7.1. Precautions for safe handling**

Use only in well-ventilated areas.

Vapours should be extracted to avoid inhalation.

Prolonged or repeated skin contact should be avoided

Avoid skin and eye contact.

See advice in section 8

Hygiene measures:

Wash hands before work breaks and after finishing work.

Do not eat, drink or smoke while working.

Good industrial hygiene practices should be observed.

**7.2. Conditions for safe storage, including any incompatibilities**

Store in a cool, well-ventilated place.

Keep away from heat and direct sunlight.

Refer to Technical Data Sheet

**7.3. Specific end use(s)**

Lubricant

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Occupational Exposure Limits

Valid for  
Great Britain

| Ingredient [Regulated substance]                              | ppm | mg/m <sup>3</sup> | Value type                   | Short term exposure limit category / Remarks | Regulatory list |
|---|-----|-------------------|------------------------------|--|-----------------|
| Calcium fluoride<br>7789-75-5<br>[FLUORIDE (INORGANIC, AS F)] |     | 2,5               | Time Weighted Average (TWA): |  | EH40 WEL        |
| Calcium fluoride<br>7789-75-5<br>[FLUORIDES, INORGANIC]       |     | 2,5               | Time Weighted Average (TWA): | Indicative                                   | ECLTV           |
| Graphite<br>7782-42-5<br>[GRAPHITE, INHALABLE DUST]           |     | 10                | Time Weighted Average (TWA): |  | EH40 WEL        |
| Graphite<br>7782-42-5<br>[GRAPHITE, RESPIRABLE DUST]          |     | 4                 | Time Weighted Average (TWA): |  | EH40 WEL        |
| Graphite<br>7782-42-5<br>[DUST, INHALABLE DUST]               |     | 10                | Time Weighted Average (TWA): |  | EH40 WEL        |
| Graphite<br>7782-42-5<br>[DUST, RESPIRABLE DUST]              |     | 4                 | Time Weighted Average (TWA): |  | EH40 WEL        |

#### Occupational Exposure Limits

Valid for  
Ireland

| Ingredient [Regulated substance]  | ppm | mg/m <sup>3</sup> | Value type                   | Short term exposure limit category / Remarks | Regulatory list |
|---|-----|-------------------|------------------------------|--|-----------------|
| Calcium fluoride<br>7789-75-5<br>[FLUORIDE (AS F)]  |     | 2,5               | Time Weighted Average (TWA): |  | IR_OEL          |
| Calcium fluoride<br>7789-75-5<br>[FLUORIDES, INORGANIC]   |     | 2,5               | Time Weighted Average (TWA): | Indicative OELV                              | IR_OEL          |
| Calcium fluoride<br>7789-75-5<br>[FLUORIDES, INORGANIC]   |     | 2,5               | Time Weighted Average (TWA): | Indicative                                   | ECLTV           |
| Distillates (petroleum), solvent-refined heavy paraffinic<br>64741-88-4<br>[MINERAL OIL, PURE, HIGHLY & SEVERELY REFINED, INHALABLE FRACTION] |     | 5                 | Time Weighted Average (TWA): |  | IR_OEL          |
| Distillates (petroleum), solvent-dewaxed heavy paraffinic<br>64742-65-0<br>[MINERAL OIL, PURE, HIGHLY & SEVERELY REFINED, INHALABLE FRACTION] |     | 5                 | Time Weighted Average (TWA): |  | IR_OEL          |
| Graphite<br>7782-42-5<br>[GRAPHITE, RESPIRABLE DUST]  |     | 4                 | Time Weighted Average (TWA): |  | IR_OEL          |
| Graphite<br>7782-42-5<br>[GRAPHITE, TOTAL INHALABLE DUST]   |     | 10                | Time Weighted Average (TWA): |  | IR_OEL          |
| Graphite<br>7782-42-5<br>[DUSTS, NON-SPECIFIC, RESPIRABLE]  |     | 4                 | Time Weighted Average (TWA): |  | IR_OEL          |
| Graphite<br>7782-42-5<br>[DUSTS, NON-SPECIFIC, TOTAL INHALABLE]   |     | 10                | Time Weighted Average (TWA): |  | IR_OEL          |
| Calcium distearate  |     | 10                | Time Weighted Average        |  | IR_OEL          |

|  |  |   |                              |  |        |
|--|--|---|------------------------------|--|--------|
| 1592-23-0<br>[STEARATES (EXCEPT LEAD STEARATE)]  |  |   | (TWA):                       |  |        |
| Distillates (petroleum), hydrotreated heavy naphthenic<br>64742-52-5<br>[MINERAL OIL, PURE, HIGHLY & SEVERELY REFINED, INHALABLE FRACTION]           |  | 5 | Time Weighted Average (TWA): |  | IR_OEL |
| Distillates (petroleum), hydrotreated light naphthenic < 3% DMSO<br>64742-53-6<br>[MINERAL OIL, PURE, HIGHLY & SEVERELY REFINED, INHALABLE FRACTION] |  | 5 | Time Weighted Average (TWA): |  | IR_OEL |

**Predicted No-Effect Concentration (PNEC):**

| Name on list   | Environmental Compartment | Exposure period | Value |     |            |        | Remarks |
|--|---------------------------|-----------------|-------|-----|------------|--------|---------|
|  |                           |                 | mg/l  | ppm | mg/kg      | others |         |
| Distillates (petroleum), hydrotreated light naphthenic < 3% DMSO<br>64742-53-6 | oral                      |                 |       |     | 9,33 mg/kg |        |         |

**Biological Exposure Indices:**

None

**8.2. Exposure controls:**

## Engineering controls:

Ensure good ventilation/extraction.

## Respiratory protection:

Use only in well-ventilated areas.

An approved mask or respirator fitted with an organic vapour cartridge should be worn if the product is used in a poorly ventilated area

Filter type: A (EN 14387)

## Hand protection:

Chemical-resistant protective gloves (EN 374).

Suitable materials for short-term contact or splashes (recommended: at least protection index 2, corresponding to &gt; 30 minutes permeation time as per EN 374):

nitrile rubber (NBR;  $\geq$  0.4 mm thickness)

Suitable materials for longer, direct contact (recommended: protection index 6, corresponding to &gt; 480 minutes permeation time as per EN 374):

nitrile rubber (NBR;  $\geq$  0.4 mm thickness)

This information is based on literature references and on information provided by glove manufacturers, or is derived by analogy with similar substances. Please note that in practice the working life of chemical-resistant protective gloves may be considerably shorter than the permeation time determined in accordance with EN 374 as a result of the many influencing factors (e.g. temperature). If signs of wear and tear are noticed then the gloves should be replaced.

## Eye protection:

Safety glasses with sideshields or chemical safety goggles should be worn if there is a risk of splashing.

Protective eye equipment should conform to EN166.

## Skin protection:

Wear suitable protective clothing.

Protective clothing should conform to EN 14605 for liquid splashes or to EN 13982 for dusts.

Advices to personal protection equipment:

The information provided on personal protective equipment is for guidance purposes only. A full risk assessment should be conducted prior to using this product to determine the appropriate personal protective equipment to suit local conditions. Personal protective equipment should conform to the relevant EN standard.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|  |                                    |
|--|------------------------------------|
| Appearance                                   | paste<br>paste<br>grey             |
| Odor   | characteristic                     |
| Odour threshold                              | No data available / Not applicable |
| pH   | No data available / Not applicable |
| Initial boiling point                        | 288 °C (550.4 °F)                  |
| Flash point                                  | > 93 °C (> 199.4 °F)               |
| Decomposition temperature                    | No data available / Not applicable |
| Vapour pressure                              | No data available / Not applicable |
| Density<br>( $\rho$ )                        | 1,1799 g/cm <sup>3</sup>           |
| Bulk density                                 | No data available / Not applicable |
| Viscosity                                    | No data available / Not applicable |
| Viscosity (kinematic)                        | No data available / Not applicable |
| Explosive properties                         | No data available / Not applicable |
| Solubility (qualitative)<br>(Solvent: Water) | Insoluble                          |
| Solidification temperature                   | No data available / Not applicable |
| Melting point                                | No data available / Not applicable |
| Flammability                                 | No data available / Not applicable |
| Auto-ignition temperature                    | No data available / Not applicable |
| Explosive limits                             | No data available / Not applicable |
| Partition coefficient: n-octanol/water       | No data available / Not applicable |
| Evaporation rate                             | No data available / Not applicable |
| Vapor density                                | No data available / Not applicable |
| Oxidising properties                         | No data available / Not applicable |

### 9.2. Other information

No data available / Not applicable

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Reacts with strong oxidants.

### 10.2. Chemical stability

Stable under recommended storage conditions.

### 10.3. Possibility of hazardous reactions

See section reactivity

### 10.4. Conditions to avoid

Stable

### 10.5. Incompatible materials

See section reactivity.

### 10.6. Hazardous decomposition products

Irritating organic vapours.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### General toxicological information:

The mixture is classified based on the available hazard information for the ingredients as defined in the classification criteria for mixtures for each hazard class or differentiation in Annex I to Regulation (EC) No 1272/2008. Relevant available health/ecological information for the substances listed under Section 3 is provided in the following.

#### Oral toxicity:

This material is considered to have low toxicity if swallowed.  
May cause irritation to the digestive tract.

#### Inhalative toxicity:

Due to the low volatility of the product there are no hazards associated with inhalation under normal conditions of use

#### Skin irritation:

Prolonged or repeated contact may cause skin irritation.

#### Eye irritation:

Prolonged or repeated contact may cause eye irritation.

#### Acute oral toxicity:

| Hazardous components<br>CAS-No.  | Value<br>type | Value         | Route of<br>application | Exposure<br>time | Species | Method                                   |
|--|---------------|---------------|-------------------------|------------------|---------|--|
| Calcium fluoride<br>7789-75-5  | LD0           | > 2.000 mg/kg | oral                    |                  | rat     | OECD Guideline 423 (Acute Oral toxicity) |
| Calcium fluoride<br>7789-75-5  | LD50          | 4.250 mg/kg   |                         |                  | rat     |  |
| Distillates (petroleum),<br>hydrotreated light<br>naphthenic < 3% DMSO<br>64742-53-6 | LD50          | > 5.000 mg/kg | oral                    |                  | rat     | not specified                            |

#### Acute inhalative toxicity:

| Hazardous components<br>CAS-No.  | Value<br>type | Value       | Route of<br>application | Exposure<br>time | Species | Method   |
|--|---------------|-------------|-------------------------|------------------|---------|--|
| Distillates (petroleum),<br>hydrotreated light<br>naphthenic < 3% DMSO<br>64742-53-6 | LC50          | > 5,53 mg/l | aerosol                 | 4 h              | rat     | OECD Guideline 403 (Acute Inhalation Toxicity) |

#### Acute dermal toxicity:

| Hazardous components<br>CAS-No.  | Value<br>type | Value         | Route of<br>application | Exposure<br>time | Species | Method        |
|--|---------------|---------------|-------------------------|------------------|---------|---------------|
| Distillates (petroleum),<br>hydrotreated light<br>naphthenic < 3% DMSO<br>64742-53-6 | LD50          | > 5.000 mg/kg | dermal                  |                  | rabbit  | not specified |

#### Germ cell mutagenicity:

| Hazardous components<br>CAS-No.  | Result                                   | Type of study /<br>Route of<br>administration       | Metabolic<br>activation /<br>Exposure time | Species | Method   |
|--|--|---|--|---------|--|
| Calcium fluoride<br>7789-75-5  | negative with<br>metabolic<br>activation | in vitro mammalian<br>chromosome<br>aberration test | with and without                           |         | OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test) |
| Distillates (petroleum),<br>hydrotreated light<br>naphthenic < 3% DMSO<br>64742-53-6 | negative                                 | in vitro mammalian<br>chromosome<br>aberration test | with and without                           |         | OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test) |

## SECTION 12: Ecological information

### General ecological information:

The mixture is classified based on the available hazard information for the ingredients as defined in the classification criteria for mixtures for each hazard class or differentiation in Annex I to Regulation (EC) No 1272/2008. Relevant available health/ecological information for the substances listed under Section 3 is provided in the following.

### 12.1. Toxicity

#### Ecotoxicity:

Do not empty into drains / surface water / ground water.

| Hazardous components<br>CAS-No.  | Value<br>type | Value        | Acute<br>Toxicity<br>Study | Exposure<br>time | Species             | Method   |
|--|---------------|--------------|----------------------------|------------------|---------------------|--|
| Distillates (petroleum),<br>hydrotreated light naphthenic<br>< 3% DMSO<br>64742-53-6 | LL50          | > 100 mg/l   | Fish                       | 96 h             | Pimephales promelas | OECD Guideline<br>203 (Fish, Acute<br>Toxicity Test) |
| Distillates (petroleum),<br>hydrotreated light naphthenic<br>< 3% DMSO<br>64742-53-6 | EC50          | > 1.000 mg/l | Daphnia                    | 48 h             | Daphnia magna       | not specified  |

### 12.2. Persistence and degradability

No data available.

### 12.3. Bioaccumulative potential / 12.4. Mobility in soil

No data available.

### 12.5. Results of PBT and vPvB assessment

| Hazardous components<br>CAS-No.   | PBT/vPvB   |
|---|--|
| Distillates (petroleum), hydrotreated light<br>naphthenic < 3% DMSO<br>64742-53-6 | Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very<br>Bioaccumulative (vPvB) criteria. |

### 12.6. Other adverse effects

No data available.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Product disposal:

Dispose of in accordance with local and national regulations.

Disposal of uncleaned packages:

Disposal must be made according to official regulations.

Waste code

14 06 03 - other solvents and solvent mixtures

The valid EWC waste code numbers are source-related. The manufacturer is therefore unable to specify EWC waste codes for the articles or products used in the various sectors. The EWC codes listed are intended as a recommendation for users. We will be happy to advise you.



### SECTION 14: Transport information

- 14.1. UN number**  
Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.
- 14.2. UN proper shipping name**  
Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.
- 14.3. Transport hazard class(es)**  
Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.
- 14.4. Packing group**  
Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.
- 14.5. Environmental hazards**  
Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.
- 14.6. Special precautions for user**  
Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.
- 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code**  
not applicable

### SECTION 15: Regulatory information

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

VOC content < 3 %  
(2010/75/EC)

**15.2. Chemical safety assessment**

A chemical safety assessment has not been carried out.

### SECTION 16: Other information

The labelling of the product is indicated in Section 2. The full text of all abbreviations indicated by codes in this safety data sheet are as follows:

H304 May be fatal if swallowed and enters airways.

**Further information:**

This information is based on our current level of knowledge and relates to the product in the state in which it is delivered. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties.

**Relevant changes in this safety data sheet are indicated by vertical lines at the left margin in the body of this document. Corresponding text is displayed in a different color on shadowed fields.**