# Safety Data Sheet



LOCTITE LB 8012 454g EPIG

SDS No. : 153750
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## Section 1. Identification of the substance/preparation and of the company/undertaking

**Product name:**
LOCTITE LB 8012 454g EPIG

**Other means of identification:**
LOCTITE LB 8012 454g EPIG

**Product code:**
IDH1986226

**Recommended use of the chemical and restrictions on use**

**Intended use:**
Lubricant

**Manufacturer/Importer/Distributor Representative Company**

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**E-mail address of person responsible for Safety Data Sheet:**
ap-ua-psra.sea@henkel.com

**Emergency Telephone for Chemical Accidents:**
FOR EMERGENCIES ONLY (Spill, major leak, Fire, Exposure, or Accident). Call: +662 209 8008

## Section 2. Hazards identification

**GHS Classification:**

Substance or mixture is not classified as hazardous according to Globally Harmonized System(GHS).

**GHS label elements:**

Substance or mixture is not classified as hazardous according to Globally Harmonized System(GHS).

## Section 3. Composition / information on ingredients

**Substance or Mixture:**
Mixture

**Declaration of hazardous chemical:**

| Hazard component CAS-No. | Content | GHS Classification |
|---|---|---|
| Molybdenum disulphide<br>1317-33-5 | 60- 100 % | |
| Distillates (petroleum), hydrotreated heavy naphthenic <3%DMSO<br>64742-52-5 | 1- 10 % | |
| Quartz (SiO2), <1% respirable<br>14808-60-7 | 1- 10 % | |
| Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene<br>68411-46-1 | 0.1- 1 % | Skin corrosion/irritation 3<br>H316<br>Toxic to reproduction 2<br>H361<br>Specific target organ toxicity - repeated exposure 2<br>H373<br>Acute hazards to the aquatic environment 3<br>H402 |

## Section 4. First aid measures

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

**Skin contact:**
Rinse with running water and soap.
Obtain medical attention if irritation persists.

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

**Ingestion:**
Rinse mouth, drink 1-2 glasses of water, do not induce vomiting, consult a doctor.

## Section 5. Fire fighting measures

**Suitable extinguishing media:**
Carbon dioxide, foam, powder

**Improper extinguishing media:**
High pressure waterjet

**Specific hazards arising from the chemical:**
In the event of a fire, carbon monoxide (CO) and carbon dioxide (CO2) can be released.

**Special protection equipment and precautions for firefighters:**
Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.

**Hazardous combustion products:**
Oxides of carbon, oxides of nitrogen, irritating organic vapors.

**Additional fire fighting advice:**
In case of fire, keep containers cool with water spray.

## Section 6. Accidental release measures

**Personal precautions:**
Avoid skin and eye contact.
Wear protective equipment.
Ensure adequate ventilation.
See advice in section 8

**Environmental precautions:**
Do not empty into drains / surface water / ground water.

**Clean-up methods:**
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.
Dispose of contaminated material as waste according to Section 13.

## Section 7. Handling and storage

**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

**Storage:**
Store in a cool, well-ventilated place.
Keep away from heat and direct sunlight.
Refer to Technical Data Sheet.

## Section 8. Exposure controls / personal protection

**Components with specific control parameters for workplace:**

| | | |
|---|---|---|
| MOLYBDENUM, METAL AND INSOLUBLE COMPOUNDS, AS MO, INHALABLE FRACTION<br>1317-33-5 | **Value type** | Time Weighted Average (TWA): |
| | **mg/m³** | 10 |
| | **Remarks** | ACGIH |
| MOLYBDENUM, METAL AND INSOLUBLE COMPOUNDS, AS MO, RESPIRABLE FRACTION<br>1317-33-5 | **Value type** | Time Weighted Average (TWA): |
| | **mg/m³** | 3 |
| | **Remarks** | ACGIH |
| Molybdenum, soluble compounds, as Mo, respirable fraction<br>1317-33-5 | **Value type** | Time Weighted Average (TWA): |
| | **mg/m³** | 0.5 |
| | **Remarks** | ACGIH |
| Mineral oil, excluding metal working fluids, pure, highly and severely refined, inhalable fraction<br>64742-52-5 | **Value type** | Time Weighted Average (TWA): |
| | **mg/m³** | 5 |
| | **Remarks** | ACGIH |
| Silica, crystalline, α-quartz, respirable dust<br>14808-60-7 | **Value type** | Time Weighted Average (TWA): |
| | **mg/m³** | 0.025 |
| | **Remarks** | TH OEL |
| Silica, crystalline-α-Quartz, respirable fraction<br>14808-60-7 | **Value type** | Time Weighted Average (TWA): |
| | **mg/m³** | 0.025 |
| | **Remarks** | ACGIH |

**Respiratory protection:**
Ensure adequate ventilation.
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 > 30 minutes permeation time as per EN 374):
nitrile rubber (NBR; >= 0.4 mm thickness)
Suitable materials for longer, direct contact (recommended: protection index 6, corresponding to > 480 minutes permeation time as per EN 374):
nitrile rubber (NBR; >= 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:**
Wear protective glasses.
Protective eye equipment should conform to EN166.

**Body protection:**
Wear suitable protective clothing.
Protective clothing should conform to EN 14605 for liquid splashes or to EN 13982 for dusts.

**Engineering controls:**
Provide local and general exhaust ventilation to effectively remove and prevent buildup of any vapors or mists generated from the handling of this product.

**General protection and hygiene measures:**
The workplace should be equipped with an emergency shower and eye-rinsing facility.

**Hygienic measures:**
Wash hands before work breaks and after finishing work.
Do not eat, drink or smoke while working.
Take off contaminated clothing and wash before reuse.

## Section 9. Physical and chemical properties

| | |
|---|---|
| **Appearance:** | Gray / Grey<br>paste |
| **Odor:** | mild |
| **Odor threshold (CA):** | No data available. |
| **pH:** | Not applicable, Product is non-soluble (in water). |
| **Melting point / freezing point:** | Not applicable, Product is a liquid |
| **Specific gravity:** | 1.9614 |
| **Boiling point:** | > 100 °C (> 212 °F) |
| **Flash point:** | 160 °C (320 °F) |
| **Evaporation rate:** | No data available. |
| **Flammability (solid, gas):** | No data available. |
| **Lower explosive limit:** | No data available. |
| **Upper explosive limit:** | No data available. |
| **Vapor pressure:**<br>(; 20 °C (68 °F)) | < 1 hPa |
| **Vapor density:** | > 1<br>Heavier than air. |
| **Density:** | 1.9614 g/cm3 |
| **Solubility:** | Slight |
| **Partition coefficient: n-octanol/water:** | No data available. |
| **Auto ignition:** | Not determined |
| **Decomposition temperature:** | No data available. |
| **Viscosity:** | No data available. |
| **VOC content:**<br>(2010/75/EC) | < 3 % |

## Section 10. Stability and reactivity

**Reactivity/Incompatible materials:**
Reacts with strong oxidants.
**Chemical stability:**
Stable under recommended storage conditions.
**Conditions to avoid:**
No decomposition if used according to specifications.
**Hazardous decomposition products:**
Irritating organic vapours.

## Section 11. Toxicological information

Symptoms of Overexposure**:** None known.

**Acute oral toxicity:**

| | | |
|---|---|---|
| Molybdenum disulphide<br>1317-33-5 | Value type | LD50 |
| | Value | > 5,000 mg/kg |
| | Species | rat |
| | Method | not specified |
| Distillates (petroleum), hydrotreated heavy naphthenic <3%DMSO<br>64742-52-5 | Value type | LD50 |
| | Value | > 5,000 mg/kg |
| | Species | rat |
| | Method | OECD Guideline 401 (Acute Oral Toxicity) |
| Quartz (SiO2), <1% respirable<br>14808-60-7 | Value type | LD50 |
| | Value | > 5,050 mg/kg |
| | Species | rat |
| | Method | not specified |
| Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene<br>68411-46-1 | Value type | LD50 |
| | Value | > 5,000 mg/kg |
| | Species | rat |
| | Method | OECD Guideline 401 (Acute Oral Toxicity) |

**Acute inhalative toxicity:**

| | | |
|---|---|---|
| Distillates (petroleum), hydrotreated heavy naphthenic <3%DMSO<br>64742-52-5 | Value type | LC50 |
| | Value | > 5.53 mg/l |
| | Exposure time | 4 h |
| | Species | rat |
| | Method | OECD Guideline 403 (Acute Inhalation Toxicity) |

**Acute dermal toxicity:**

| | | |
|---|---|---|
| Molybdenum disulphide<br>1317-33-5 | Value type | LD50 |
| | Value | > 16,000 mg/kg |
| | Species | rat |
| | Method | not specified |
| Distillates (petroleum), hydrotreated heavy naphthenic <3%DMSO<br>64742-52-5 | Value type | LD50 |
| | Value | > 5,000 mg/kg |
| | Species | rabbit |
| | Method | OECD Guideline 402 (Acute Dermal Toxicity) |
| Quartz (SiO2), <1% respirable<br>14808-60-7 | Value type | LD50 |
| | Value | > 2,000 mg/kg |
| | Species | not specified |
| | Method | not specified |
| Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene<br>68411-46-1 | Value type | LD50 |
| | Value | > 2,000 mg/kg |
| | Species | rat |
| | Method | equivalent or similar to OECD Guideline 402 (Acute Dermal Toxicity) |

**Skin corrosion/irritation:**

| | | |
|---|---|---|
| Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene<br>68411-46-1 | Result | mildly irritating |
| | Exposure time | 4 h |
| | Species | rabbit |
| | Method | OECD Guideline 404 (Acute Dermal Irritation / Corrosion) |

**Serious eye damage/irritation:**

| | | |
|---|---|---|
| Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene<br>68411-46-1 | Result | not irritating |
| | Exposure time | |
| | Species | rabbit |
| | Method | OECD Guideline 405 (Acute Eye Irritation / Corrosion) |

**Respiratory or skin sensitization:**

| | | |
|---|---|---|
| Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene 68411-46-1 | Result | not sensitising |
| | Test type | Guinea pig maximisation test |
| | Species | guinea pig |
| | Method | OECD Guideline 406 (Skin Sensitisation) |

**Repeated dose toxicity:**

| | | |
|---|---|---|
| Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene 68411-46-1 | Result | NOAEL=25 mg/kg |
| | Route of application | oral: gavage |
| | Exposure time / Frequency of treatment | M: 28 d / F: 53 ddaily |
| | Species | rat |
| | Method | OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test) |
| Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene 68411-46-1 | Result | LOAEL=18 mg/kg |
| | Route of application | oral: feed |
| | Exposure time / Frequency of treatment | 17 weeks |
| | Species | rat |
| | Method | OECD Guideline 443 (Extended One-Generation Reproductive Toxicity Study) |

## Section 12. Ecological information

**General ecological information:** Do not empty into drains / surface water / ground water.

**Toxicity:**

| | | |
|---|---|---|
| Molybdenum disulphide 1317-33-5 | Value type | LC50 |
| | Value | Toxicity > Water solubility |
| | Acute Toxicity Study | Fish |
| | Exposure time | 96 h |
| | Species | Pimephales promelas |
| | Method | OECD Guideline 203 (Fish, Acute Toxicity Test) |
| Molybdenum disulphide 1317-33-5 | Value type | EC50 |
| | Value | Toxicity > Water solubility |
| | Acute Toxicity Study | Daphnia |
| | Exposure time | 48 h |
| | Species | Daphnia magna |
| | Method | OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test) |
| Molybdenum disulphide 1317-33-5 | Value type | EC50 |
| | Value | Toxicity > Water solubility |
| | Acute Toxicity Study | Algae |
| | Exposure time | 72 h |
| | Species | Pseudokirchneriella subcapitata |
| | Method | OECD Guideline 201 (Alga, Growth Inhibition Test) |
| Distillates (petroleum), hydrotreated heavy naphthenic <3%DMSO 64742-52-5 | Value type | LC50 |
| | Value | > 1,000 mg/l |
| | Acute Toxicity Study | Fish |
| | Exposure time | 96 h |
| | Species | Oncorhynchus mykiss |
| | Method | OECD Guideline 203 (Fish, Acute Toxicity Test) |
| Distillates (petroleum), hydrotreated heavy naphthenic <3%DMSO 64742-52-5 | Value type | EC50 |
| | Value | > 1,000 mg/l |
| | Acute Toxicity Study | Daphnia |
| | Exposure time | 48 h |
| | Species | Daphnia magna |
| | Method | OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test) |
| Distillates (petroleum), hydrotreated heavy naphthenic <3%DMSO 64742-52-5 | Value type | NOELR |
| | Value | 100 mg/l |
| | Acute Toxicity Study | Algae |
| | Exposure time | 72 h |

| | | |
|---|---|---|
| | Species | Pseudokirchneriella subcapitata |
| | Method | OECD Guideline 201 (Alga, Growth Inhibition Test) |
| Quartz (SiO2), <1% respirable 14808-60-7 | Value type | LC50 |
| | Value | > 1,000 mg/l |
| | Acute Toxicity Study | Fish |
| | Exposure time | 96 h |
| | Species | not specified |
| | Method | OECD Guideline 203 (Fish, Acute Toxicity Test) |
| Quartz (SiO2), <1% respirable 14808-60-7 | Value type | EC50 |
| | Value | > 1,000 mg/l |
| | Acute Toxicity Study | Daphnia |
| | Exposure time | 48 h |
| | Species | Daphnia magna |
| | Method | OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test) |
| Quartz (SiO2), <1% respirable 14808-60-7 | Value type | EC50 |
| | Value | > 1,000 mg/l |
| | Acute Toxicity Study | Algae |
| | Exposure time | 72 h |
| | Species | not specified |
| | Method | OECD Guideline 201 (Alga, Growth Inhibition Test) |
| Quartz (SiO2), <1% respirable 14808-60-7 | Value type | EC0 |
| | Value | > 1,000 mg/l |
| | Acute Toxicity Study | Bacteria |
| | Exposure time | 3 h |
| | Species | not specified |
| | Method | OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test) |
| Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene 68411-46-1 | Value type | LC50 |
| | Value | > 100 mg/l |
| | Acute Toxicity Study | Fish |
| | Exposure time | 96 h |
| | Species | Brachydanio rerio (new name: Danio rerio) |
| | Method | OECD Guideline 203 (Fish, Acute Toxicity Test) |
| Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene 68411-46-1 | Value type | EC50 |
| | Value | 51 mg/l |
| | Acute Toxicity Study | Daphnia |
| | Exposure time | 48 h |
| | Species | Daphnia magna |
| | Method | OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test) |
| Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene 68411-46-1 | Value type | EC50 |
| | Value | > 100 mg/l |
| | Acute Toxicity Study | Algae |
| | Exposure time | 72 h |
| | Species | Desmodesmus subspicatus |
| | Method | OECD Guideline 201 (Alga, Growth Inhibition Test) |
| | Value type | NOEC |
| | Value | 10 - 100 mg/l |
| | Acute Toxicity Study | Algae |
| | Exposure time | 72 h |
| | Species | Desmodesmus subspicatus |
| | Method | OECD Guideline 201 (Alga, Growth Inhibition Test) |
| Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene 68411-46-1 | Value type | IC50 |
| | Value | > 100 mg/l |
| | Acute Toxicity Study | Bacteria |
| | Exposure time | 3 h |
| | Species | activated sludge, domestic |
| | Method | OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test) |

**Persistence and degradability:**

| | | |
|---|---|---|
| Distillates (petroleum), hydrotreated heavy naphthenic <3%DMSO 64742-52-5 | Result | not readily biodegradable. |
| | Route of application | aerobic |
| | Degradability | 6 % |
| | Method | OECD Guideline 301 B (Ready Biodegradability: CO2 Evolution Test) |
| Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene 68411-46-1 | Result | not readily biodegradable. |
| | Route of application | aerobic |
| | Degradability | 0 % |
| | Method | OECD Guideline 301 B (Ready Biodegradability: CO2 Evolution Test) |

**Bioaccumulative potential / Mobility in soil:**

| | | |
|---|---|---|
| Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene 68411-46-1 | Bioconcentration factor (BCF) | > 411 - 1,730 |
| | Exposure time | 42 d |
| | Species | Cyprinus carpio |
| | Temperature | 24 °C |
| | Method | other guideline: |
| Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene 68411-46-1 | LogPow | > 5 |
| | Temperature | 25 °C |
| | Method | QSAR (Quantitative Structure Activity Relationship) |

## Section 13. Disposal considerations

**Product**

**Method of disposal:**
Dispose of in accordance with local and national regulations.

**Packaging**

**Disposal of uncleaned packages:**
Packaging that cannot be cleaned are to be disposed of in the same manner as the product.

## Section 14. Transport information

**Road transport ADR:**
Not dangerous goods

**Railroad transport RID:**
Not dangerous goods

**Inland water transport ADN:**
Not dangerous goods

**Marine transport IMDG:**
Not dangerous goods

**Air transport IATA:**
Not dangerous goods

## Section 15. Regulatory information

**Regulatory Information:**
Ministry of Industry Notice. The system to classify and communicate the hazard of hazardous material, BE. 2555

**Global inventory status:**

| Regulatory list | Notification |
|---|---|
| TSCA | yes |
| DSL | yes |
| KECI (KR) | yes |
| AIIC | yes |
| IECSC | yes |
| TCSI | yes |
| PICCS (PH) | yes |
| EINECS | yes |

## Section 16. Other information

**Disclaimer:**
This Safety Data Sheet has been generated based on Ministry of Industry Notice. The system to classify and communicate the hazard of hazardous material, BE. 2555 only. No warranty or representation of any kind is given with respect to the substantive or export laws of any other jurisdiction or country. Please confirm that the information provided herein conforms to the substantive export or other law of any other jurisdiction prior to export. Please contact Henkel Product Safety and Regulatory Affairs for additional assistance.
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.
Dear Customer,
Henkel is committed to creating a sustainable future by promoting opportunities along the entire value chain. If you would like to contribute by switching from a paper to the electronic version of SDS, please contact the local Customer Service representative. We recommend to use a non-personal email address (e.g. SDS@your_company.com).