



## Safety Data Sheet

LOCTITE LB 8008 C5-A known as Copper Anti-Seize Lubricant

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SDS No. : 242144

V001.3

Date of issue: 14.11.2019

### Section 1. Identification of the substance/preparation and of the company/undertaking

**Product name:** LOCTITE LB 8008 C5-A known as Copper Anti-Seize Lubricant

**Intended use:** Lubricant

**Supplier:**

Henkel Australia Pty Ltd  
135-141 Canterbury Road  
Kilsyth, Victoria, 3137  
Australia

Phone: +61 (3) 9724 6444

**Emergency information:** 24 HOUR EMERGENCY CONTACT NUMBER: 1800 032 379

### Section 2. Hazards identification

**Classification of the substance or mixture**

Hazardous according to the criteria of Safe Work Australia.

**GHS Classification:**

<u>Hazard Class</u>	<u>Hazard Category</u>
Skin irritation	Category 2
Serious eye damage/eye irritation	Category 1
Acute hazards to the aquatic environment	Category 2
Specific target organ toxicity - single exposure	Category 3

**Hazard pictogram:**



**Signal word:**

Danger

<b>Hazard statement(s):</b>	H315 Causes skin irritation. H318 Causes serious eye damage. H401 Toxic to aquatic life.
<b>Precautionary Statement(s):</b>	
<b>Prevention:</b>	P264 Wash hands thoroughly after handling. P273 Avoid release to the environment. P280 Wear protective gloves, eye protection, and face protection.
<b>Response:</b>	P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor. P302+P352 IF ON SKIN: Wash with plenty of water. P305+P351+P338+P315 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention. P331 Do NOT induce vomiting. P332+P313 If skin irritation occurs: Get medical advice/attention. P362 Take off contaminated clothing.
<b>Storage:</b>	P405 Store locked up.
<b>Disposal:</b>	P501 Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations.

**Dangerous Goods information:**

Not classified as Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code).

**Section 3. Composition / information on ingredients**

**General chemical description:** Mixture

**Identity of ingredients:**

Chemical ingredients	CAS-No.	Proportion
Calcium dihydroxide	1305-62-0	10 - < 30 %
Copper	7440-50-8	10 - < 30 %
Graphite	7782-42-5	1 - < 10 %
Quartz (SiO <sub>2</sub> ), <1% respirable	14808-60-7	< 1 %
non hazardous ingredients~		> 30 %

**Section 4. First aid measures**

<b>Ingestion:</b>	Rinse mouth, do not induce vomiting, consult a doctor.
<b>Skin:</b>	Rinse with running water and soap. Seek medical advice.
<b>Eyes:</b>	Rinse immediately with plenty of running water (for 10 minutes). Seek medical attention if necessary.
<b>Inhalation:</b>	Move to fresh air. If symptoms persist, seek medical advice.
<b>First Aid facilities:</b>	Eye wash Normal washroom facilities
<b>Medical attention and special treatment:</b>	Treat symptomatically and supportively.

### Section 5. Fire fighting measures

- Suitable extinguishing media:** Carbon dioxide, foam, powder
- Improper extinguishing media:** High pressure waterjet
- Decomposition products in case of fire:** Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.
- Special protective equipment for fire-fighters:** Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.

### Section 6. Accidental release measures

- Personal precautions:** Avoid contact with skin and eyes.  
See advice in section 8
- Environmental precautions:** Do not empty into drains / surface water / ground water.
- Clean-up methods:** Absorb spill with inert material. Shovel material into appropriate container for disposal. Dispose of contaminated material as waste according to Section 13.

### Section 7. Handling and storage

- Precautions for safe handling:** Do not inhale vapors and fumes.  
Use only in well-ventilated areas.  
Refer to Section 8.
- Conditions for safe storage:** Keep in a cool, well ventilated area away from heat, sparks and open flame. Keep container tightly closed until ready for use.

### Section 8. Exposure controls / personal protection

- National exposure standards:**
- 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.
- Eye protection:** Tightly fitting safety goggles
- Skin protection:** Use of an impervious apron is recommended.  
Nitrile rubber gloves should be worn.
- Respiratory protection:** If inhalation risk exists, wear a respirator or air supplied mask complying with the requirements of AS/NZS 1715 and AS/NZS 1716.

### Section 9. Physical and chemical properties

- Appearance:** Copper  
Paste
- Odor:** mild
- Specific gravity:** 1.30
- Boiling point:** > 260 °C (> 500 °F)
- Flash point:** > 93 °C (> 199.4 °F)
- Vapor pressure:** < 0.6 mbar  
(None)
- Density:** 1.3 g/cm<sup>3</sup>

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### Section 10. Stability and reactivity

<b>Stability:</b>	Stable under normal conditions of temperature and pressure.
<b>Conditions to avoid:</b>	Avoid excessive heat and ignition sources.
<b>Incompatible materials:</b>	Reaction with strong acids. Oxidizing agents.
<b>Hazardous decomposition products:</b>	In case of fire toxic gases can be released. carbon oxides.

### Section 11. Toxicological information

**Health Effects:****Ingestion:**

Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.  
Principal hazard of ingestion is aspiration into the lungs and subsequent pneumonitis.

**Skin:**

Causes skin irritation.  
Symptoms may include redness, edema, drying, defatting and cracking of the skin.

**Eyes:**

Causes serious eye damage.  
Contact with the eyes may cause moderate to severe eye injury. Eye contact may result in corneal injury. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.

**Inhalation:**

May cause respiratory tract irritation.  
Inhalation of copper fumes may result in metal fume fever. Symptoms include metallic taste, discoloration of skin or hair.

**Aggravated med. condition:**

Eye, skin, and respiratory disorders.

**Acute toxicity:**

Hazardous components CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
Calcium dihydroxide 1305-62-0	LD50 LD50	> 7,340 mg/kg > 2,500 mg/kg	oral dermal		rat rat	OECD Guideline 401 (Acute Oral Toxicity) OECD Guideline 402 (Acute Dermal Toxicity)
Copper 7440-50-8	LD50 LC50 LD50	> 2,500 mg/kg > 5.11 mg/l > 2,000 mg/kg	oral inhalation dermal	4 h	rat rat rat	OECD Guideline 423 (Acute Oral toxicity) OECD Guideline 436 (Acute Inhalation Toxicity: Acute Toxic Class (ATC) Method) OECD Guideline 402 (Acute Dermal Toxicity)
Graphite 7782-42-5	LD50 LC50	> 2,000 mg/kg	oral inhalation	4 h	rat rat	OECD Guideline 423 (Acute Oral toxicity) OECD Guideline 403 (Acute Inhalation Toxicity)
Quartz (SiO <sub>2</sub> ), <1% respirable 14808-60-7	LD50 LD50	> 5,050 mg/kg > 2,000 mg/kg	oral dermal		rat not specified	not specified not specified

**Skin corrosion/irritation:**

Hazardous components CAS-No.	Result	Exposure time	Species	Method
Calcium dihydroxide 1305-62-0	irritating	4 h	rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)
Copper 7440-50-8	not irritating		rabbit	EU Method B.4 (Acute Toxicity: Dermal Irritation / Corrosion)
Graphite 7782-42-5	not irritating	4 h	rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)

**Serious eye damage/irritation:**

Hazardous components CAS-No.	Result	Exposure time	Species	Method
Calcium dihydroxide 1305-62-0	Category 1 (irreversible effects on the eye)		rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)
Copper 7440-50-8	not irritating		rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)
Graphite 7782-42-5	not irritating		rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)

**Respiratory or skin sensitization:**

Hazardous components CAS-No.	Result	Test type	Species	Method
Copper 7440-50-8	not sensitising	Guinea pig maximisation test	guinea pig	EU Method B.6 (Skin Sensitisation)

Graphite 7782-42-5	not sensitising	Mouse local lymphnode assay (LLNA)	mouse	equivalent or similar to OECD Guideline 429 (Skin Sensitisation: Local Lymph Node Assay)
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**Germ cell mutagenicity:**

Hazardous components CAS-No.	Result	Type of study/ Route of administration	Metabolic activation/ Exposure time	Species	Method
Calcium dihydroxide 1305-62-0	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		OECD Guideline 471 (Bacterial Reverse Mutation Assay)
Copper 7440-50-8	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		OECD Guideline 471 (Bacterial Reverse Mutation Assay)
Copper 7440-50-8	negative negative	oral: gavage oral: gavage		mouse rat	EU Method B.12 (Mutagenicity equivalent or similar to OECD Guideline 486 (Unscheduled DNA Synthesis (UDS) Test with Mammalian Liver Cells in vivo)
Graphite 7782-42-5	negative negative negative	bacterial reverse mutation assay (e.g Ames test) in vitro mammalian chromosome aberration test mammalian cell gene mutation assay	with and without with and without with and without		OECD Guideline 471 (Bacterial Reverse Mutation Assay) OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test) OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)

**Section 12. Ecological information**

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

**Section 13. Disposal considerations**

**Waste disposal of product:** Collection and delivery to recycling enterprise or other registered elimination institution.

**Recommended cleanser:** Suitable organic solvents

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

**Section 14. Transport information**

**Road and Rail Transport:**

**Dangerous Goods information:** Not classified as Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code).

**Marine transport IMDG:**

UN no.: 3082  
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Copper)  
Class or division: 9  
Packing group: III  
EmS: F-A ,S-F  
Seawater pollutant: Marine pollutant

**Air transport IATA:**  
Not dangerous goods

### Section 15. Regulatory information

**SUSMP Poisons Schedule**

None

**AICS:**

All components are listed or are exempt from listing on the Australian Inventory of Chemical Substances (AICS).

### Section 16. Other information

**Reason for issue:**

Reviewed SDS. Reissued with new date. involved chapters: 1,2,7,16

**Date of previous issue:**

26.11.2014

**Disclaimer:**

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