



## Safety Data Sheet

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LOCTITE LB 8044 ZN A/S known as Zinc Anti-Seize

SDS No. : 153757

V001.4

Date of issue: 10.02.2022

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

**Product name:** LOCTITE LB 8044 ZN A/S known as Zinc Anti-Seize

**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.

No classification required.

**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).

Exempt under Special Provision AU01 : Environmentally Hazardous Substances meeting the descriptions of UN3077 or UN3082 are not subject to this Code when transported by road or rail in;

- a) Packagings that do not incorporate a receptacle exceeding 500 kg (L); or
- b) Intermediate Bulk Containers.

### Section 3. Composition / information on ingredients

**General chemical description:** Mixture  
in a mixture of hydrocarbons

**Identity of ingredients:**

Chemical ingredients	CAS-No.	Proportion
Petrolatum	8009-03-8	30- < 60 %
zinc oxide	1314-13-2	< 10 %
Lead	7439-92-1	0.03- < 0.3 %
non hazardous ingredients~		30- <= 60 %

**Section 4. First aid measures**

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

**Skin:** If high pressure forces the product under the skin get immediate medical attention.  
If hot material contacts the skin, immediately cool before attempting removal.  
Rinse with running water and soap.  
If symptoms develop and persist, get medical attention.

**Eyes:** Immediately flush eyes with plenty of water for at least 15 minutes.  
Get medical attention.

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

**First Aid facilities:** Eye wash  
Normal washroom facilities

**Medical attention and special treatment:** Treat symptomatically.

**Section 5. Fire fighting measures**

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

**Decomposition products in case of fire:** Acrid smoke and fumes.  
Oxides of carbon.

**Special protective equipment for fire-fighters:** Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.  
Water spray may be ineffective.  
Oil will float on water and can spread fire.

**Section 6. Accidental release measures**

**Environmental precautions:** Prevent further leakage or spillage if safe to do so.  
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.  
Contaminated surfaces will be extremely slippery.  
Dispose of contaminated material as waste according to Section 13.

**Section 7. Handling and storage**

- Precautions for safe handling:** Keep container closed.  
Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling.  
See advice in section 8
- Conditions for safe storage:** Store in a cool, dry, well-ventilated area.

**Section 8. Exposure controls / personal protection****National exposure standards:**

Ingredient [Regulated substance]	form of exposure	TWA (ppm)	TWA (mg/m3)	Peak Limit. (ppm)	Peak Limit. (mg/m3)	STEL (ppm)	STEL (mg/m3)
Oil mist, refined mineral 8009-03-8			5				
ZINC OXIDE (DUST) 1314-13-2	Inhalable dust.		10				
ZINC OXIDE (FUME) 1314-13-2	Fume.						10
ZINC OXIDE (FUME) 1314-13-2	Fume.		5				
LEAD, INORGANIC DUSTS & FUMES (AS PB) 7439-92-1	Dust and fume.		0.05				

- 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:** Safety goggles or safety glasses with side shields.
- Skin protection:** Use impermeable gloves and protective clothing as necessary to prevent skin contact. Nitrile rubber gloves should be worn. Please note that in practice the working life of chemical resistant gloves may be considerably reduced as a result of many influencing factors (e.g. temperature). Suitable risk assessment should be carried out by the end user. If signs of wear and tear are noticed then the gloves should be replaced.
- 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:** paste
- pH:** Not available.
- Specific gravity:** 1.3056
- Flash point:** 160 °C (320 °F)  
(; HST-US D09F; Flash/Fire Point By Cleveland Open Cup)
- Ignition temperature:** Not applicable
- Solubility in water:** Negligible

**Section 10. Stability and reactivity**

<b>Stability:</b>	Stable under normal conditions of temperature and pressure.
<b>Conditions to avoid:</b>	Excessive heat.
<b>Incompatible materials:</b>	Oxidizing agents. Strong acids and strong bases.
<b>Hazardous decomposition products:</b>	In case of fire toxic gases can be released.  Oxides of carbon.

### Section 11. Toxicological information

**Health Effects:**

<b>Ingestion:</b>	Not expected under normal conditions of use. May cause gastrointestinal disturbances.
<b>Skin:</b>	May cause mild skin irritation.
<b>Eyes:</b>	May cause mild irritation
<b>Inhalation:</b>	Inhalation of vapors from heated material may cause irritation. Inhalation of high levels of zinc compounds may cause tightness of chest, metallic taste, cough, dizziness, fever, chills, headache, nausea, and dry throat.

**Acute toxicity:**

Hazardous components CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
Petrolatum 8009-03-8	LD50 LD50	> 5,000 mg/kg > 2,000 mg/kg	oral  dermal		rat rabbit	OECD Guideline 401 (Acute Oral Toxicity) OECD Guideline 402 (Acute Dermal Toxicity)
zinc oxide 1314-13-2	LD50 LC50 LD50	> 5,000 mg/kg > 5.7 mg/l > 2,000 mg/kg	oral inhalation dermal	4 h	rat rat rat	equivalent or similar to OECD Guideline 401 (Acute Oral Toxicity) equivalent or similar to OECD Guideline 403 (Acute Inhalation Toxicity) OECD Guideline 402 (Acute Dermal Toxicity)

**Skin corrosion/irritation:**

Hazardous components CAS-No.	Result	Exposure time	Species	Method
Petrolatum 8009-03-8	not irritating	4 h	rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)
zinc oxide 1314-13-2	not irritating		rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)

**Serious eye damage/irritation:**

Hazardous components CAS-No.	Result	Exposure time	Species	Method
Petrolatum 8009-03-8	not irritating		rabbit	equivalent or similar to OECD Guideline 405 (Acute Eye Irritation / Corrosion)
zinc oxide 1314-13-2	not irritating		rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)

**Respiratory or skin sensitization:**

Hazardous components CAS-No.	Result	Test type	Species	Method
Petrolatum 8009-03-8	not sensitising	Guinea pig maximisation test	guinea pig	OECD Guideline 406 (Skin Sensitisation)
zinc oxide 1314-13-2	not sensitising	Guinea pig maximisation test	guinea pig	OECD Guideline 406 (Skin Sensitisation)

**Germ cell mutagenicity:**

Hazardous components CAS-No.	Result	Type of study / Route of administration	Metabolic activation / Exposure time	Species	Method
Petrolatum 8009-03-8	negative negative negative	bacterial reverse mutation assay (e.g Ames test) mammalian cell gene mutation assay	with and without with and without with and without		OECD Guideline 471 (Bacterial Reverse Mutation Assay) OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test) equivalent or similar to OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test)
Petrolatum 8009-03-8	negative	dermal		rat	OECD Guideline 475 (Mammalian Bone Marrow Chromosome Aberration Test)
zinc oxide 1314-13-2	negative negative ambiguous	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)
zinc oxide 1314-13-2	negative	intraperitoneal		mouse	OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test)

**Repeated dose toxicity:**

Hazardous components CAS-No.	Result	Route of application	Exposure time / Frequency of treatment	Species	Method
Petrolatum 8009-03-8	NOAEL=5,000 mg/kg	oral: feed	2 y continuous, ad libitum	rat	equivalent or similar to OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies)
zinc oxide 1314-13-2	NOAEL=31.52 mg/kg	oral: feed	13 wdaily	rat	OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)
zinc oxide 1314-13-2	NOAEL=1.5 mg/m <sup>3</sup>	inhalation	3 m <sup>6</sup> h/d, 5 d/w	rat	OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day)
zinc oxide 1314-13-2	LOAEL=75 mg/kg	dermal	28 d <sup>6</sup> h/d, 5 d/w	rat	OECD Guideline 410 (Repeated Dose Dermal Toxicity: 21/28-Day Study)

**Section 12. Ecological information**

**Ecotoxicity:** Very toxic to aquatic life with long lasting effects.

**Toxicity:**

Hazardous components CAS-No.	Value type	Value	Acute Toxicity Study	Exposure time	Species	Method
Petrolatum 8009-03-8	LC50	3,779 mg/l	Fish	96 h	Oncorhynchus mykiss	OECD Guideline 203 (Fish, Acute Toxicity Test)
Petrolatum 8009-03-8	EC50	1,425 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Petrolatum 8009-03-8	EC50	> 1,000 mg/l	Algae			OECD Guideline 201 (Alga, Growth Inhibition Test)
Petrolatum 8009-03-8	EC0	1,000 mg/l	Bacteria	30 min		not specified
zinc oxide 1314-13-2	LC50	0.142 mg/l	Fish	96 h	Thymallus arcticus	OECD Guideline 203 (Fish, Acute Toxicity Test)
zinc oxide 1314-13-2	NOEC	0.44 mg/l	Fish	72 d	Oncorhynchus mykiss	other guideline:
zinc oxide 1314-13-2	EC50	1 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
zinc oxide 1314-13-2	NOEC	0.017 mg/l	Algae	72 h	Selenastrum capricornutum (new name: Pseudokirchneriella subcapitata)	OECD Guideline 201 (Alga, Growth Inhibition Test)
zinc oxide 1314-13-2	EC50	0.17 mg/l	Algae	72 h	Selenastrum capricornutum (new name: Pseudokirchneriella subcapitata)	OECD Guideline 201 (Alga, Growth Inhibition Test)
zinc oxide 1314-13-2	IC50	5.2 mg/l	Bacteria	3 h	not specified	OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test)
Lead 7439-92-1	LC50	0.107 mg/l	Fish	96 h	Oncorhynchus mykiss	other guideline:

**Persistence and degradability:**

Hazardous components CAS-No.	Result	Route of application	Degradability	Method
Petrolatum 8009-03-8	not readily biodegradable.	aerobic	51 %	ISO 10708 (BODIS-Test)

### Section 13. Disposal considerations

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

**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).  
Exempt under Special Provision AU01 : Environmentally Hazardous Substances meeting the descriptions of UN3077 or UN3082 are not subject to this Code when transported by road or rail in;  
a) Packagings that do not incorporate a receptacle exceeding 500 kg (L); or  
b) Intermediate Bulk Containers.

**Marine transport IMDG:**

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

**Air transport IATA:**

UN no.: 3082  
Proper shipping name: Environmentally hazardous substance, liquid, n.o.s. (Zinc powder)  
Class or division: 9  
Packing group: III  
Packing instructions (passenger) 964  
Packing instructions (cargo) 964

**Further information for transport:**

The transport classifications in this section apply generally to packed and bulk goods alike. For containers with a net volume of no more than 5 L for liquid substances or a net mass of no more than 5 kg for solid substances per individual or inner package, the exemptions SP 375 (ADR), A197 (IATA), 2.10.2.7 (IMDG) may be applied, which can result in a deviation from the transport classification for packed goods.

**Section 15. Regulatory information**

**SUSMP Poisons Schedule**                      None

**Section 16. Other information**

**Abbreviations/acronyms:** ADGC - Australian Dangerous Goods Code  
ASCC - Australian Safety and Compensation Council  
SUSMP - Standard for the Uniform Medicines of Medicines and Poisons  
STEL - Short term exposure limit  
TWA - Time weighted average  
AIIC - Australian Inventory of Industrial Chemicals (AIIC)  
AICIS - Australian Industrial Chemicals Introduction Scheme

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**Disclaimer:**

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