



Safety Data Sheet

Page 1 of 7

LOCTITE LB 8700 EXTREME PRESS RESISTANT LUB
known as LOCTITE® Moly -50™ Metal-Free

SDS No. : 153758

V001.4

Date of issue: 23.07.2025

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

Product name: LOCTITE LB 8700 EXTREME PRESS RESISTANT LUB known as LOCTITE® Moly -50™ Metal-Free

Intended use: Lubricant

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

Phone: +61 (3) 9724 6444

E-mail address of person responsible for Safety Data Sheet: SDSinfo.Adhesive@henkel.com

Emergency Telephone for Chemical Accidents: 24 HOUR EMERGENCY CONTACT NUMBER: 1800 032 379

Section 2. Hazards identification

Classification of the substance or mixture
Not 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).

Section 3. Composition / information on ingredients

General chemical description: Mixture

Identity of ingredients:

Chemical ingredients	CAS-No.	Proportion
Petrolatum	8009-03-8	30- < 60 %
Molybdenum disulphide	1317-33-5	30- < 60 %

Section 4. First aid measures

Ingestion:	Do not induce vomiting. Seek medical advice.
Skin:	Rinse with running water and soap. If symptoms develop and persist, get medical attention.
Eyes:	Rinse immediately with plenty of running water (for 10 minutes). Seek medical attention if necessary.
Inhalation:	Immediately remove victim to fresh air. If symptoms develop and persist, get medical attention.

Section 5. Fire fighting measures

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

Section 7. Handling and storage

Precautions for safe handling:	See advice in section 8 Avoid contact with skin and clothing.
Conditions for safe storage:	Store at room temperature.

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				
MOLYBDENUM, INSOLUBLE COMPOUNDS (AS MO) 1317-33-5			10				

Engineering controls:	Ensure good ventilation/suction at the workplace.
Eye protection:	Safety glasses with side-shields.
Skin protection:	Use impervious gloves. 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:	Gray / Grey Paste
Odor:	Mild, Petroleum
Specific gravity:	1.3969
Flash point:	> 93 °C (> 199.4 °F)
Vapor density:	Heavier than air.
Solubility in water:	Negligible

Section 10. Stability and reactivity

Stability:	Stable under normal conditions of temperature and pressure.
Conditions to avoid:	None known.
Incompatible materials:	Strong oxidizing agents.
Hazardous decomposition products:	In case of fire toxic gases can be released. Sulphur oxides Oxides of carbon.

Section 11. Toxicological information

Health Effects:

Ingestion:

Ingestion of large amounts may produce gastrointestinal disturbances including irritation, nausea, and diarrhea.

Skin:

Prolonged and/or repeated skin contact with this product may cause irritation.

Eyes:

Liquid splashed into the eye may cause transient eye irritation.

Inhalation:

Inhalation of vapors from heated material may cause irritation.

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)
Molybdenum disulphide 1317-33-5	LD50 LD50	> 5,000 mg/kg > 16,000 mg/kg	oral dermal		rat rat	not specified not specified

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)

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)

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)

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)

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)

Section 12. Ecological information

General ecological information:

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

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	72 h	not specified	OECD Guideline 201 (Alga, Growth Inhibition Test)
Petrolatum 8009-03-8		100 mg/l	Algae	72 h	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)
Petrolatum 8009-03-8	EC0	1,000 mg/l	Bacteria	30 min	not specified	not specified
Molybdenum disulphide 1317-33-5	LC50	Toxicity > Water solubility	Fish	96 h	Pimephales promelas	OECD Guideline 203 (Fish, Acute Toxicity Test)
Molybdenum disulphide 1317-33-5	EC50	Toxicity > Water solubility	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Molybdenum disulphide 1317-33-5	EC50	Toxicity > Water solubility	Algae	72 h	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)

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: Dispose of in accordance with local and national regulations.

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:

Not dangerous goods

Air transport IATA:

Not dangerous goods

Section 15. Regulatory information

SUSMP Poisons Schedule None

AIC: All components are listed or are exempt from listing on the Australian Inventory of Industrial Chemicals or Introduced under AICIS.

Section 16. Other information

Abbreviations/acronyms:

- ADGC - Australian Dangerous Goods Code
- IMDG: International Maritime Dangerous Goods code
- GHS: Globally Harmonized System
- CAS: Chemical Abstracts Service
- IATA-DGR: International Air Transport Association – Dangerous Goods Regulations
- TWA - Time weighted average
- STEL - Short term exposure limit
- OECD: Organization for Economic Cooperation and Development
- LD 50: Lethal Dose 50%
- LC 50: Lethal Concentration 50%
- AIC - Australian Inventory of Industrial Chemicals (AIC)
- AICIS - Australian Industrial Chemicals Introduction Scheme

Reason for issue: Reviewed SDS. Reissued with new date. involved chapters: 1-16

Date of previous issue:
Disclaimer:

30.09.2020

The percentage weight (% w/w) of ingredients is not to be taken as a specification guaranteed by Henkel Australia Pty. Limited, but only as an approximate guide to the content of hazardous ingredients in the material. The information contained herein does not constitute a guarantee by Henkel Australia Pty. Limited concerning the properties of the material.

The information contained in the Safety Data Sheet is offered in good faith and has been developed from what is believed to be accurate and reliable sources. The information is offered without warranty, representation, inducement or licence and Henkel Australia Pty. Limited assumes no legal responsibility for reliance upon same. Henkel Australia Pty. Limited disclaims any liability for loss, injury or damage incurred in connection with the use of the material or its associated Safety Data Sheet.

This information is not to be construed as a representation that the material is suitable for any particular purpose or use except those conditions and warranties implied by either Commonwealth or State statutes. Customers are encouraged to make their own enquiries as to the material's characteristics and, where appropriate, to conduct their own tests in the specific context of the material's intended use.

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.