



Safety Data Sheet

LOCTITE LB 8801 SIL LUBRICATION known as Silicone Lubricant

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SDS No. : 224919

V001.5

Date of issue: 14.04.2023

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

Product name: LOCTITE LB 8801 SIL LUBRICATION known as Silicone Lubricant

Intended use: Lubricant

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

Phone: +61 (3) 9724 6444

Emergency Telephone for Chemical Accidents: 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:

Hazard Class

Aerosol
Acute hazards to the aquatic environment

Hazard Category

Category 2
Category 3

Hazard pictogram:



Signal word:

Warning

Hazard statement(s): H223 Flammable aerosol.
H229 Pressurized container: May burst if heated.
H402 Harmful to aquatic life.

Precautionary Statement(s):
Prevention: P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.
No smoking.
P211 Do not spray on an open flame or other ignition source.
P251 Do not pierce or burn, even after use.
P273 Avoid release to the environment.

Storage: P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

Disposal: P501 Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations.

Dangerous Goods information:

Classified as Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code).

Class or division:

2.1

Section 3. Composition / information on ingredients

General chemical description: Mixture
Water
Propellant gas
Propane/Butane

Type of preparation: Lubricant preparation

Identity of ingredients:

Chemical ingredients	CAS-No.	Proportion
butane	106-97-8	10- < 30 %
Naphtha, petroleum, heavy alkylate, <0.1% Benzene	64741-65-7	1- < 10 %
White mineral oil (petroleum), highly refined	8042-47-5	< 10 %
non hazardous ingredients~		60- <= 100 %

Section 4. First aid measures

Ingestion: Rinse mouth, do not induce vomiting, consult a doctor.

Skin: Wash with soap and water.
In case of adverse health effects seek medical advice.

Eyes:	Flush eye(s) immediately with plenty of water. In case of adverse health effects seek medical advice.
Inhalation:	Move to fresh air. If symptoms persist, seek medical advice.
First Aid facilities:	Eye wash and safety shower 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:	Thermal decomposition can lead to release of irritating gases and vapors. Oxides of carbon. Oxides of silicon.
Particular danger in case of fire:	WARNING FLAMMABLE! Closed containers may rupture (due to build up of pressure) when exposed to extreme heat. Vapor accumulation can flash or explode if ignited.
Special protective equipment for fire-fighters:	Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.
Additional fire fighting advice:	In case of fire, keep containers cool with water spray.

Section 6. Accidental release measures

Personal precautions:	Keep away from sources of ignition. Avoid contact with skin and eyes.
Environmental precautions:	Do not allow to enter in surface / ground water.
Clean-up methods:	Remove the absorbed material, and place in an appropriate chemical waste container for disposal. Ventilate area.

Section 7. Handling and storage

Precautions for safe handling:	Keep away from heat, spark and flame. Vapors will accumulate readily and may ignite explosively. During use and until all vapors are gone: Keep area ventilated - do not smoke; extinguish all flames, pilot lights, and heaters; turn off stoves, electrical tools and appliances, and any other sources of ignition.
Conditions for safe storage:	The storage regulations for aerosols apply. Store in a cool place. Keep away from heat and direct sunlight. Storage at 15 to 25°C is recommended. Do not puncture, incinerate, or expose to temperatures above 48.9 °C (120 °F).

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)
Butane 106-97-8		800	1,900				
Mineral turpentine 64741-65-7			480				
Oil mist, refined mineral 8042-47-5			5				

Engineering controls:

Ensure good ventilation/extraction.

Eye protection:

Safety goggles or safety glasses with side shields.

Skin protection:

Use impermeable gloves and protective clothing as necessary to prevent skin contact. 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.

Nitrile gloves.

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:	Clear Aerosol
Odor:	Petroleum
pH:	Not available.
Specific gravity:	0.81
Boiling point:	0 - 100 °C (32 - 212 °F)
Flash point:	< -18 °C (< 0.4 °F)
Lower explosive limit:	1 %(V)
Upper explosive limit:	9.5 %(V)

Section 10. Stability and reactivity**Stability:**

Stable under normal conditions of temperature and pressure.

Conditions to avoid:

Keep away from heat, ignition sources and incompatible materials.
Do not puncture, incinerate, or expose to temperatures above 48.9 °C (120 °F).

Incompatible materials:	Strong oxidizing agents.
Hazardous decomposition products:	Thermal decomposition can lead to release of irritating gases and vapors. Oxides of carbon. Oxides of silicon. Irritating organic fragments.
Hazardous polymerization:	Will not occur.

Section 11. Toxicological information

Health Effects:

Ingestion:	Not a likely route of entry. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Skin:	May cause skin irritation. Solvent action can dry and defat the skin, causing the skin to crack, leading to dermatitis.
Eyes:	May cause eye irritation.
Inhalation:	Excessive inhalation of this material causes headache, dizziness, nausea and incoordination.

Acute toxicity:

Hazardous components CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
butane 106-97-8	LC50	274200 ppm	inhalation	4 h	rat	not specified
White mineral oil (petroleum), highly refined 8042-47-5	LD50 LC50 LD50	> 5,000 mg/kg > 5 mg/l > 2,000 mg/kg	oral inhalation dermal	4 h	rat rat rabbit	OECD Guideline 401 (Acute Oral Toxicity) OECD Guideline 403 (Acute Inhalation Toxicity) OECD Guideline 402 (Acute Dermal Toxicity)

Skin corrosion/irritation:

Hazardous components CAS-No.	Result	Exposure time	Species	Method
White mineral oil (petroleum), highly refined 8042-47-5	not irritating		rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)

Serious eye damage/irritation:

Hazardous components CAS-No.	Result	Exposure time	Species	Method
White mineral oil (petroleum), highly refined 8042-47-5	not irritating		rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)

Respiratory or skin sensitization:

Hazardous components CAS-No.	Result	Test type	Species	Method
White mineral oil (petroleum), highly refined 8042-47-5	not sensitising	Buehler 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
butane 106-97-8	negative negative	bacterial reverse mutation assay (e.g Ames test) in vitro mammalian chromosome aberration test	with and without with and without		OECD Guideline 471 (Bacterial Reverse Mutation Assay) OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test)
butane 106-97-8	negative	inhalation: gas		rat	OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test)
White mineral oil (petroleum), highly refined 8042-47-5	negative negative	bacterial reverse mutation assay (e.g Ames test) mammalian cell gene mutation assay	with with and without		OECD Guideline 471 (Bacterial Reverse Mutation Assay) OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)
White mineral oil (petroleum), highly refined 8042-47-5	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
butane 106-97-8		inhalation: gas	28 d6 h/d	rat	OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)
White mineral oil (petroleum), highly refined 8042-47-5	NOAEL=>= 1,200 mg/kg	oral: feed	24 mdaily	rat	OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies)
White mineral oil (petroleum), highly refined 8042-47-5	NOAEL=>= 50 mg/m3	inhalation: aerosol	4 w6 h/d, 5 d/w	rat	equivalent or similar to OECD Guideline 412 (Repeated Dose Inhalation Toxicity: 28/14- Day)
White mineral oil (petroleum), highly refined 8042-47-5	NOAEL=>= 2,000 mg/kg	dermal	13 wdaily	rat	OECD Guideline 411 (Subchronic Dermal Toxicity: 90-Day Study)

Section 12. Ecological information**General ecological information:**

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

Ecotoxicity: H402 Harmful to aquatic life.**Toxicity:**

Hazardous components CAS-No.	Value type	Value	Acute Toxicity Study	Exposure time	Species	Method
butane 106-97-8	LC50	27.98 mg/l	Fish	96 h	Pimephales promelas	not specified
butane 106-97-8	EC50	14.22 mg/l	Daphnia	48 h		not specified
butane 106-97-8	EC50	7.71 mg/l	Algae	96 h		not specified
Naphtha, petroleum, heavy alkylate, <0.1% Benzene 64741-65-7	LL50	8.2 mg/l	Fish	96 h	Daphnia magna	other guideline:
Naphtha, petroleum, heavy alkylate, <0.1% Benzene 64741-65-7	EL50	4.5 mg/l	Daphnia	48 h		OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Naphtha, petroleum, heavy alkylate, <0.1% Benzene 64741-65-7	EL50	3.1 mg/l	Algae	72 h		OECD Guideline 201 (Alga, Growth Inhibition Test)
Naphtha, petroleum, heavy alkylate, <0.1% Benzene 64741-65-7	NOELR	0.5 mg/l	Algae	72 h	Raphidocelis subcapitata (new name: Pseudokirchneriella subcapitata)	OECD Guideline 201 (Alga, Growth Inhibition Test)
White mineral oil (petroleum), highly refined 8042-47-5	LL50	> 100 mg/l	Fish	96 h	Oncorhynchus mykiss	OECD Guideline 203 (Fish, Acute Toxicity Test)
White mineral oil (petroleum), highly refined 8042-47-5	EL50	> 100 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
White mineral oil (petroleum), highly refined 8042-47-5	NOELR	100 mg/l	Algae	72 h	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)
White mineral oil (petroleum), highly refined 8042-47-5	IC50	> 100 mg/l	Bacteria	93 d	other:	other guideline:

Persistence and degradability:

Hazardous components CAS-No.	Result	Route of application	Degradability	Method
butane 106-97-8	readily biodegradable	aerobic	> 60 %	OECD 301 A - F
Naphtha, petroleum, heavy alkylate, <0.1% Benzene 64741-65-7	readily biodegradable	aerobic	80 %	OECD Guideline 301 F (Ready Biodegradability: Manometric Respirometry Test)
White mineral oil (petroleum), highly refined 8042-47-5	not readily biodegradable.	aerobic	31.3 %	OECD Guideline 301 F (Ready Biodegradability: Manometric Respirometry Test)

Bioaccumulative potential / Mobility in soil:

Hazardous components CAS-No.	LogPow	Bioconcentration factor (BCF)	Exposure time	Species	Temperature	Method
butane 106-97-8	2.31				20 °C	other (measured)
White mineral oil (petroleum), highly refined 8042-47-5	> 4					EU Method A.8 (Partition Coefficient)

Section 13. Disposal considerations

Waste disposal of product:	Dispose of in accordance with local and national regulations. Do not incinerate. Collection and delivery to recycling enterprise or other registered elimination institution.
Disposal for uncleaned package:	Disposal must be made according to official regulations.
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:	Classified as Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code).
UN no.:	1950
Proper shipping name:	AEROSOLS
Class or division:	2.1
Packing group:	
Emergency Telephone for Chemical Accidents:	Refer to the Australian Emergency Response Guide Book

Marine transport IMDG:

UN no.:	1950
Proper shipping name:	AEROSOLS
Class or division:	2.1
Packing group:	
EmS:	F-D ,S-U
Seawater pollutant:	-

Air transport IATA:

UN no.:	1950
Proper shipping name:	Aerosols, flammable
Class or division:	2.1
Packing group:	
Packing instructions (passenger)	203
Packing instructions (cargo)	203

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
IATA-DGR: International Air Transport Association – Dangerous Goods Regulations
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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Reviewed SDS. Reissued with new date. involved chapters: 1 - 16

Date of previous issue:

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