



## Safety Data Sheet

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LOCTITE LB 8040 FREEZE & RELEASE known as LOCTITE  
FREEZE&RELEASE 310G AU

SDS No. : 360943  
V001.4  
Date of issue: 20.03.2020

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

**Product name:** LOCTITE LB 8040 FREEZE & RELEASE known as LOCTITE FREEZE&RELEASE 310G AU

**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>
Flammable aerosols	Category 1
Acute hazards to the aquatic environment	Category 2

#### Hazard pictogram:



#### Signal word:

Danger

<b>Hazard statement(s):</b>	H222 Extremely flammable aerosol. H401 Toxic to aquatic life.
<b>Precautionary Statement(s):</b>	
<b>Prevention:</b>	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.
<b>Storage:</b>	P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
<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:**

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

**Signal word:**

HAZARDOUS

### Section 3. Composition / information on ingredients

**General chemical description:** Mixture

**Identity of ingredients:**

Chemical ingredients	CAS-No.	Proportion
butane	106-97-8	60- <= 100 %
White mineral oil (petroleum), highly refined	8042-47-5	< 10 %
non hazardous ingredients~		30- <= 60 %

### Section 4. First aid measures

<b>Ingestion:</b>	Do not induce vomiting. Have victim rinse mouth thoroughly with water. Seek medical advice.
<b>Skin:</b>	Remove contaminated clothing and footwear. Rinse with running water and soap. If symptoms develop and persist, get medical attention.
<b>Eyes:</b>	If irritation develops, flush eyes immediately with large amounts of water. If irritation persists, seek medical attention or advice.
<b>Inhalation:</b>	If inhaled, immediately remove the affected person to fresh air. If symptoms develop and persist, get medical attention.
<b>First Aid facilities:</b>	Eye wash Normal washroom facilities
<b>Medical attention and special treatment:</b>	Treat symptomatically.

### Section 5. Fire fighting measures

<b>Suitable extinguishing media:</b>	Fine water spray Foam, dry chemical or carbon dioxide.
<b>Decomposition products in case of fire:</b>	Irritating and/or toxic fumes and gases may be emitted upon the product's decomposition. Carbon monoxide. Carbon dioxide.
<b>Particular danger in case of fire:</b>	WARNING FLAMMABLE! Vapors are heavier than air and may travel along the ground or be moved by ventilation and subsequently ignited by heat, pilot lights or other ignition sources at locations distant from the material handling point. Exposure to temperatures above 49°C (120°F) may cause container to burst. Cool aerosol containers with jet of water. Containers may explode.
<b>Special protective equipment for fire-fighters:</b>	Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA). Wear full protective clothing.
<b>Hazchem code:</b>	2YE

### Section 6. Accidental release measures

<b>Personal precautions:</b>	Keep away from sources of ignition. Wear an approved respirator, impervious gloves and chemical splash goggles.
<b>Environmental precautions:</b>	Do not empty into drains / surface water / ground water.
<b>Clean-up methods:</b>	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Absorb spill with inert material. Shovel material into appropriate container for disposal. Dispose of according to Federal, State and local governmental regulations.

### Section 7. Handling and storage

<b>Precautions for safe handling:</b>	Use only in well-ventilated areas. Wear suitable protective clothing, safety glasses and gloves. Keep away from heat, spark and flame.
<b>Conditions for safe storage:</b>	Store in a cool, dry, well-ventilated area. Keep away from heat and direct sunlight. Do not store or use near heat, spark, open flame or other sources of ignition. Store below 120°F (50°C).

### Section 8. Exposure controls / personal protection

**National exposure standards:**

<b>Engineering controls:</b>	Use only in well ventilated areas. Use general ventilation and use local exhaust, where possible, in confined or enclosed spaces.
<b>Eye protection:</b>	Avoid contact with eyes. Wear chemical goggles or a full face shield.
<b>Skin protection:</b>	Wear suitable protective clothing. Wear impervious (neoprene) gloves, impervious apron.
<b>Respiratory protection:</b>	Do not inhale aerosol 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

<b>Appearance:</b>	aerosol, liquid
<b>Odor:</b>	Petroleum
<b>pH:</b>	> 12.50
<b>Specific gravity:</b>	0.65 - 0.70
<b>Flash point:</b>	< 23 °C (< 73.4 °F)

## Section 10. Stability and reactivity

<b>Stability:</b>	Stable under recommended storage conditions.
<b>Conditions to avoid:</b>	Stable under normal conditions of storage and use.
<b>Incompatible materials:</b>	Incompatible with oxidising agents. Nitric acid. Chlorine.
<b>Hazardous decomposition products:</b>	Irritating and/or toxic fumes and gases may be emitted upon the product's decomposition.  carbon monoxide carbon dioxide
<b>Hazardous polymerization:</b>	Will not occur.

## Section 11. Toxicological information

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

Not expected under normal conditions of use.

**Skin:**

Prolonged or repeated contact with this product may dry and/or defat the skin.

**Eyes:**

May cause mild irritation

**Inhalation:**

Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

Inhalation of mist or spray may cause irritation of the respiratory tract and nasal passages.

**Acute toxicity:**

Hazardous components CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
butane 106-97-8	LC50	274200ppm	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 negative	inhalation: gas		Drosophila melanogaster rat	not specified 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 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>= 1,600 mg/kg	oral: feed	90 ddaily	rat	OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)

**Section 12. Ecological information**

**General ecological information:**

Harmful to aquatic organisms., May cause long-term adverse effects in the aquatic environment., Do not empty into drains / surface water / ground water.

**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	Oncorhynchus mykiss	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
White mineral oil (petroleum), highly refined 8042-47-5	LL50	> 100 mg/l	Fish	96 h	Daphnia magna	OECD Guideline 203 (Fish, Acute Toxicity Test)
White mineral oil (petroleum), highly refined 8042-47-5	EL50	> 100 mg/l	Daphnia	48 h		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
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
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 puncture or incinerate pressurized containers.

**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:

Hazchem code:

2YE

Emergency information:

Refer to the Dangerous Goods - Initial Emergency Response Guide  
HB 76.

**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

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

**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

**Reason for issue:** Reviewed SDS. Reissued with new date. involved chapters: 1,2,3



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**Date of previous issue:** 01.04.2015

**Disclaimer:**

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