



## Safety Data Sheet

Page 1 of 9

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

SDS No. : 360943

V001.1

Revision: 14.06.2016

printing date: 15.07.2020

### SECTION 1 IDENTIFICATION OF THE MATERIAL AND SUPPLIER

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

**Intended use:** Lubricant

**Supplier:**  
Henkel New Zealand Ltd  
2 Allens Rd  
Auckland, 2013  
New Zealand

Phone: +64 (9) 272-6710

**Emergency information:** 24 HOUR EMERGENCY CONTACT NUMBER 0800 243 622

### SECTION 2 HAZARDS IDENTIFICATION

**Classification of the substance or mixture**

Classified as hazardous according to criteria in the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001.

Classified as Dangerous Goods according to NZS 5433: 2012 and the Land Transport Rule: Dangerous Goods 2005.

**HSNO Classification:**

Flam. Aerosol Flammable aerosol  
Class 9 - Ecotoxicity, Subclass 9.1 - Aquatic, Hazard Classification D

**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

**Hazard statement(s):** H222 Extremely flammable aerosol.  
H401 Toxic 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.

### SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

**General chemical description:** Mixture

**Identity of ingredients:**

Chemical ingredients	CAS-No.	Proportion
Butane	106-97-8	60- < 100 %
Naphtha (petroleum), hydrotreated light, < 0.1 % benzene	64742-49-0	< 15 %
White mineral oil (petroleum), highly refined	8042-47-5	< 5 %
non hazardous ingredients~		10- < 30 %

### SECTION 4 FIRST AID MEASURES

**Ingestion:** Do not induce vomiting.  
Have victim rinse mouth thoroughly with water.  
Seek medical advice.

**Skin:** Remove contaminated clothing and footwear.  
Rinse with running water and soap.  
If symptoms develop and persist, get medical attention.

**Eyes:** If irritation develops, flush eyes immediately with large amounts of water. If irritation persists, seek medical attention or advice.

**Inhalation:** If inhaled, immediately remove the affected person to fresh air.  
If symptoms develop and persist, get medical attention.

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

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

**SECTION 5. FIRE FIGHTING MEASURES**

- Suitable extinguishing media:** Fine water spray  
Foam, dry chemical or carbon dioxide.
- Decomposition products in case of fire:** Irritating and/or toxic fumes and gases may be emitted upon the product's decomposition.  
Carbon monoxide.  
Carbon dioxide.
- Particular danger in case of fire:** **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.
- Special protective equipment for fire-fighters:** Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA).  
Wear full protective clothing.
- Hazchem code:** 2YE

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

- Personal precautions:** Keep away from sources of ignition.  
Wear an approved respirator, impervious gloves and chemical splash goggles.
- Environmental precautions:** Do not empty into drains / surface water / ground water.
- Clean-up methods:** 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**

- Precautions for safe handling:** Use only in well-ventilated areas.  
Wear suitable protective clothing, safety glasses and gloves.  
Keep away from heat, spark and flame.
- Conditions for safe storage:** 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**

**Workplace exposure standards:**

Ingredient [Regulated substance]	form of exposure	TWA (ppm)	TWA (mg/m3)	Ceiling	STEL (ppm)	STEL (mg/m3)
BUTANE 106-97-8		800	1,900	-	-	-
OIL MIST, MINERAL 8042-47-5	Mist.		5	-	-	-
OIL MIST, MINERAL	Mist.	-	-	-	-	10

---

<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>Specific gravity:</b>	0.65 - 0.70
<b>Flash point:</b>	< 23 °C (< 73.4 °F)
<b>Solubility in water:</b>	Insoluble

## 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	658 mg/l	inhalation	4 h	rat	OECD Guideline 401 (Acute Oral Toxicity) OECD Guideline 403 (Acute Inhalation Toxicity) OECD Guideline 402 (Acute Dermal Toxicity)
Naphtha (petroleum), hydrotreated light, < 0.1 % benzene 64742-49-0	LD50 LD50	> 5,000 mg/kg > 5,000 mg/kg	oral dermal		rat rabbit	
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	

**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			Drosophila melanogaster	
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)

**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		
Butane 106-97-8	EC50	14.22 mg/l	Daphnia	48 h		
Butane 106-97-8	EC50	7.71 mg/l	Algae	96 h		
Naphtha (petroleum), hydrotreated light, < 0.1 % benzene 64742-49-0	LC50	> 1 - 10 mg/l	Fish			OECD Guideline 203 (Fish, Acute Toxicity Test)
Naphtha (petroleum), hydrotreated light, < 0.1 % benzene 64742-49-0	LC50	> 10 - 100 mg/l	Fish	96 h		OECD Guideline 203 (Fish, Acute Toxicity Test)
Naphtha (petroleum), hydrotreated light, < 0.1 % benzene 64742-49-0	EC50	3 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Naphtha (petroleum), hydrotreated light, < 0.1 % benzene 64742-49-0	EC50	> 10 - 100 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Naphtha (petroleum), hydrotreated light, < 0.1 % benzene 64742-49-0	EC50	> 1 - 10 mg/l	Algae			OECD Guideline 201 (Alga, Growth Inhibition Test)
Naphtha (petroleum), hydrotreated light, < 0.1 % benzene 64742-49-0	EC50	> 100 mg/l	Algae	72 h		OECD Guideline 201 (Alga, Growth Inhibition Test)

**Persistence and degradability:**

Hazardous components CAS-No.	Result	Route of application	Degradability	Method
Naphtha (petroleum), hydrotreated light, < 0.1 % benzene 64742-49-0	readily biodegradable	aerobic	89 %	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.	LogKow	Bioconcentration factor (BCF)	Exposure time	Species	Temperature	Method
Naphtha (petroleum), hydrotreated light, < 0.1 % benzene 64742-49-0	4 - 5.7					OECD Guideline 107 (Partition Coefficient (n- octanol / water), Shake Flask Method)
White mineral oil (petroleum), highly refined 8042-47-5	> 6					OECD Guideline 107 (Partition Coefficient (n- octanol / water), Shake Flask Method)

**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**

**Land Transport:**

UN no.: 1950  
Proper shipping name: AEROSOLS  
Class or division: 2.1  
Packing group:  
Hazchem code: 2YE

**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**

**New Zealand regulatory information:**

Classified as hazardous according to criteria in the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001.

**HSNO Approval Number:** HSR002515

**Site and Storage:** Refer to the site and storage requirements for this Group Standard.

**NZIoC:** Compliant for NZIoC



---

<b>SECTION 16. OTHER INFORMATION</b>
--------------------------------------

**Abbreviations/acronyms:** STEL - Short term exposure limit  
TWA - Time weighted average  
HSNO - Hazardous Substances and New Organisms  
GHS: Globally Harmonized System  
CAS: Chemical Abstracts Service  
LD 50: Lethal Dose 50%  
LC 50: Lethal Concentration 50%  
IMDG: International Maritime Dangerous Goods code  
IATA-DGR: International Air Transport Association – Dangerous Goods Regulations

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

**Date of previous issue:** 10.09.2008

**Disclaimer:**  
The percentage weight (% w/w) of ingredients is not to be taken as a specification guaranteed by Henkel New Zealand 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 New Zealand Limited concerning the properties of the material.

The information contained in this Material 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 New Zealand Limited assumes no legal responsibility for reliance upon same. Henkel New Zealand Limited disclaims any liability for loss, injury or damage incurred in connection with the use of the material or its associated Material 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 Government 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.