



Safety Data Sheet

LOCTITE LB ML-11 LUBRICATION known as LOCTITE
MAINTAIN LUBE 360ML ENG

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SDS No. : 449028
V001.3
Date of issue: 16.02.2021

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

Product name: LOCTITE LB ML-11 LUBRICATION known as LOCTITE MAINTAIN LUBE 360ML ENG

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
Target Organ Systemic Toxicant - Repeated exposure	Category 2
Chronic hazards to the aquatic environment	Category 3

Hazard pictogram:



Signal word: Danger

Hazard statement(s):	H222 Extremely flammable aerosol. H373 May cause damage to organs through prolonged or repeated exposure. H412 Harmful to aquatic life with long lasting effects. Repeated exposure may cause skin dryness or cracking.
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. P260 Do not breathe vapors, mist, or spray. P273 Avoid release to the environment. P281 Use personal protective equipment as required.
Response:	P314 Get medical advice/attention if you feel unwell.
Storage:	P405 Store locked up. 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).

Section 3. Composition / information on ingredients

General chemical description: Mixture

Identity of ingredients:

Chemical ingredients	CAS-No.	Proportion
Distillates (petroleum), hydrotreated light	64742-47-8	30- 60 %
Petroleum gases, liquefied	68476-85-7	30- 60 %
Stoddard solvent, <0.1% Benzene	8052-41-3	5- 10 %

Section 4. First aid measures

Ingestion:	Do not induce vomiting.
Skin:	Rinse with running water and soap. Obtain medical attention if irritation persists.
Eyes:	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get immediate medical attention.
Inhalation:	Fresh air, consult doctor.
First Aid facilities:	Eye wash Normal washroom facilities
Medical attention and special treatment:	Aspiration may cause pulmonary edema or aspiration pneumonia.

Section 5. Fire fighting measures

Suitable extinguishing media: Alcohol foam.
carbon dioxide
Water spray or fog.

Decomposition products in case of fire: Irritating fumes.
Oxides of carbon.

Particular danger in case of fire: Fire hazard when exposed to heat or flame.

Special protective equipment for fire-fighters: Wear self-contained breathing apparatus.
Evacuate the area promptly.
Wear full protective clothing.

Section 6. Accidental release measures

Personal precautions: Ensure adequate ventilation.
Wear protective equipment.
Keep away from sources of ignition.
Don't breathe vapours or aerosole.
Remove sources of ignition.

Environmental precautions: Do not allow to enter the ground / soil.
Do not allow to enter in surface / ground water.

Clean-up methods: For small spills wipe up with paper towel and place in container for disposal.
For large spills absorb onto inert absorbent material and place in sealed container for disposal.

Section 7. Handling and storage

Precautions for safe handling: Keep container tightly sealed.
Ensure adequate ventilation.
No smoking.
Avoid skin and eye contact.

Conditions for safe storage: Store in a cool, dry place.
Keep container in a well ventilated place.
Keep away from sources of ignition and naked flames.
Keep away from heat and direct sunlight.
Avoid static electricity.

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)
LPG (LIQUIFIED PETROLEUM GAS) 68476-85-7		1,000	1,800				
WHITE SPIRITS 8052-41-3			790				

Engineering controls:	Ensure good ventilation/extraction.
Eye protection:	Wear protective glasses.
Skin protection:	Protective clothing that covers arms and legs. 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:	light brown aerosol
Odor:	Petroleum
pH:	Not available.
Flash point:	70 - 72 °C (158 - 161.6 °F)-105 - -60 °C (-157 - -76 °F)
Lower explosive limit:	0.7 % (V)
Upper explosive limit:	9.5 % (V)
Density:	0.80 - 0.82 g/cm ³
Solubility in water:	Insoluble

Section 10. Stability and reactivity

Stability:	Stable under recommended storage conditions.
Conditions to avoid:	Avoid heating. Protect from direct sunlight. Heat, flames, sparks and other sources of ignition. Avoid static discharge.
Incompatible materials:	Reaction with strong oxidants.
Hazardous decomposition products:	Irritating and toxic gases or fumes may be released during a fire.

Section 11. Toxicological information

Health Effects:

Ingestion:	May cause gastrointestinal tract irritation if swallowed. If swallowed, may be aspirated into the lungs resulting in inflammation and possible fluid accumulation.
Skin:	May cause mild skin irritation. Repeated exposure may cause skin dryness or cracking.
Eyes:	This product may cause slight irritation to the eyes.
Inhalation:	Inhalation of mist or spray may cause irritation of the respiratory tract and nasal passages.
Aggravated med. condition:	None known

Acute toxicity:

Hazardous components CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
Stoddard solvent, <0.1% Benzene 8052-41-3	LD50 LC50 LD50	> 5,000 mg/kg > 5.5 mg/l > 3,000 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
Distillates (petroleum), hydrotreated light 64742-47-8	moderately irritating		rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)
Stoddard solvent, <0.1% Benzene 8052-41-3	irritating	24 h	rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)

Serious eye damage/irritation:

Hazardous components CAS-No.	Result	Exposure time	Species	Method
Stoddard solvent, <0.1% Benzene 8052-41-3	not irritating		rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)

Respiratory or skin sensitization:

Hazardous components CAS-No.	Result	Test type	Species	Method
Stoddard solvent, <0.1% Benzene 8052-41-3	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
Stoddard solvent, <0.1% Benzene 8052-41-3	negative negative	bacterial reverse mutation assay (e.g Ames test) in vitro mammalian cell micronucleus test	with and without with and without		OECD Guideline 471 (Bacterial Reverse Mutation Assay) OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test)
Stoddard solvent, <0.1% Benzene 8052-41-3	negative	intraperitoneal		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
Stoddard solvent, <0.1% Benzene 8052-41-3	NOAEL=1,056 mg/kg	oral: gavage	28 daysdaily, 7 days/week, 28 days	rat	OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity in Rodents)

Section 12. Ecological information

General ecological information:

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

Toxicity:

Hazardous components CAS-No.	Value type	Value	Acute Toxicity Study	Exposure time	Species	Method
Distillates (petroleum), hydrotreated light 64742-47-8	LC50	> 1,000 mg/l	Fish	96 h	Oncorhynchus mykiss	OECD Guideline 203 (Fish, Acute Toxicity Test)
Distillates (petroleum), hydrotreated light 64742-47-8	EC50	> 1,000 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Distillates (petroleum), hydrotreated light 64742-47-8	EC50	> 1,000 mg/l	Algae	72 h		OECD Guideline 201 (Alga, Growth Inhibition Test)
Stoddard solvent, <0.1% Benzene 8052-41-3	LC50	2.5 mg/l	Fish	96 h	Oncorhynchus mykiss	OECD Guideline 203 (Fish, Acute Toxicity Test)
Stoddard solvent, <0.1% Benzene 8052-41-3	NOEC	> 0.1 - 1.4 mg/l	Fish	112 d	Oncorhynchus mykiss	OECD Guideline 210 (fish early lite stage toxicity test)
Stoddard solvent, <0.1% Benzene 8052-41-3	EL50	1.4 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Stoddard solvent, <0.1% Benzene 8052-41-3	EC50	1.2 mg/l	Algae	96 h	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)
Stoddard solvent, <0.1% Benzene 8052-41-3	NOEC	0.16 mg/l	Algae	96 h	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)

Persistence and degradability:

Hazardous components CAS-No.	Result	Route of application	Degradability	Method
Stoddard solvent, <0.1% Benzene 8052-41-3	readily biodegradable	aerobic	> 63 %	OECD Guideline 301 B (Ready Biodegradability: CO2 Evolution 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: 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:

Marine transport IMDG:

UN no.: 1950
Proper shipping name: AEROSOLS (Distillates (Petroleum), hydrotreated light)
Class or division: 2.1
Packing group:
EmS: F-D ,S-U
Seawater pollutant: Marine 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: IMDG: International Maritime Dangerous Goods code
IATA-DGR: International Air Transport Association – Dangerous Goods Regulations
STEL - Short term exposure limit
TWA - Time weighted average

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Disclaimer:

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