Safety Data Sheet

LOCTITE SF 7070 ODC FREE CLEANER known as ODC-Free Cleaner & Degreaser

SDS No. : 175014
V001.3
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Section 1. Identification of the substance/preparation and of the company/undertaking

Product name: LOCTITE SF 7070 ODC FREE CLEANER known as ODC-Free Cleaner & Degreaser

Intended use: Solvent based cleaner

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:

Hazard Class	Hazard Category
Skin irritation	Category 2
Skin sensitizer	Category 1
Aspiration hazard	Category 1

Hazard pictogram:

Signal word: Danger

Hazard statement(s):
H226 Flammable liquid and vapor.
H304 May be fatal if swallowed and enters airways.
H317 May cause an allergic skin reaction.
H411 Toxic to aquatic life with long lasting effects.

Precautionary Statement(s):

Prevention:
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 Keep container tightly closed.
P240 Ground and bond container and receiving equipment.
P241 Use explosion-proof electrical/ventilating/lighting equipment.
P242 Use non-sparking tools.
P243 Take action to prevent static discharges.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P272 Contaminated work clothing should not be allowed out of the workplace.
P273 Avoid release to the environment.
P280 Wear protective gloves, eye protection, and face protection.

Response:
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P331 Do NOT induce vomiting.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P363 Wash contaminated clothing before reuse.
P370+P378 In case of fire: Use water spray (fog), foam, dry chemical or carbon dioxide to extinguish.
P391 Collect spillage.

Storage:
P403+P235 Store in a well-ventilated place. Keep cool.
P405 Store locked up.

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	60- 100%
Limonene D	5989-27-5	< 10%
non hazardous ingredients~		< 10%

Section 4. First aid measures

Ingestion:
Do not induce vomiting.
Have victim rinse mouth thoroughly with water.
Seek medical attention from a specialist.
If vomiting occurs, prevent aspiration by keeping the patient's head below the knees.

Skin:
In case of contact, immediately remove contaminated clothing and flush skin with copious amounts of water.
Seek medical advice.

Eyes:	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. In case of adverse health effects seek medical advice.
Inhalation:	Move to fresh air in case of accidental inhalation of vapours. Keep warm and in a quiet place. In case of adverse health effects seek medical advice.
First Aid facilities:	Eye wash and safety shower Normal washroom facilities
Medical attention and special treatment:	Treat symptomatically. Aspiration may cause pulmonary edema or aspiration pneumonia.

Section 5. Fire fighting measures

Suitable extinguishing media:	Water spray (fog), foam, dry chemical or carbon dioxide.
Improper extinguishing media:	Water jet (solvent-containing product).
Decomposition products in case of fire:	Thermal decomposition can lead to release of irritating gases and vapors. Carbon monoxide. Carbon dioxide. Hydrocarbons.
Particular danger in case of fire:	WARNING FLAMMABLE! Vapors may form explosive mixtures with air.
Special protective equipment for fire-fighters:	Wear full protective clothing. Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA).
Additional fire fighting advice:	In case of fire, keep containers cool with water spray. Collect contaminated fire fighting water separately. It must not enter drains.
Hazchem code:	3Y

Section 6. Accidental release measures

Personal precautions:	Keep away from sources of ignition. Ensure adequate ventilation. Keep unprotected persons away. Wear protective equipment. Avoid skin and eye contact.
Environmental precautions:	Do not empty into drains / surface water / ground water. Collect contaminated washing water for appropriate disposal. Inform authorities in the event of product spillage to water courses or sewage systems.
Clean-up methods:	Soak up with inert absorbent. Use noncombustible absorbent material such as sand. Dispose of contaminated material as waste according to Section 13.

Section 7. Handling and storage

Precautions for safe handling:

Ventilate working rooms thoroughly. Avoid naked flames, sparking and sources of ignition. Switch off electrical devices. Do not smoke, do not weld. Do not empty waste into waste water drains.
Take measures to prevent the build-up of electrostatic charges.
Wear suitable protective clothing, gloves and eye/face protection.

Conditions for safe storage:

Store in sealed original container.
Protect against contamination.
Keep in a cool, well ventilated area away from heat, sparks and open flame. Keep container tightly closed until ready for use.
Take precautionary measures against static discharges during storage and transport.
Refer to AS 1940: The Storage and Handling of Flammable and Combustible Liquids.
Do not store together with oxidants.

Section 8. Exposure controls / personal protection

National exposure standards:

None

Engineering controls:

Ventilate working rooms thoroughly. Avoid naked flames, sparking and sources of ignition. Switch off electrical devices. Do not smoke, do not weld. Do not empty waste into waste water drains.

Eye protection:

Protective goggles

Skin protection:

Wear protective equipment.
Nitrile rubber gloves should be worn.
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:	Colorless Liquid
Odor:	Citrus
Specific gravity:	0.7718
Boiling point:	> 148 °C (> 298.4 °F)
Flash point:	46 °C (114.8 °F)
Lower explosive limit:	0.7 %(V)
Upper explosive limit:	5. %(V)
Vapor pressure: (; 20 °C (68 °F))	5 mm hg
Vapor density:	Heavier than air
Solubility in water:	Insoluble
VOC content:	100 % 780 g/l

Section 10. Stability and reactivity

Stability:

Stable under normal conditions of temperature and pressure.

Conditions to avoid: Vapours may form explosive mixture with air.
Heat, flames, sparks and other sources of ignition.

Incompatible materials: Reacts with strong oxidants.
Acids and bases.

Hazardous decomposition products: Thermal decomposition can lead to release of irritating gases and vapors.

Carbon monoxide.
Carbon dioxide.
Hydrocarbons.

Hazardous polymerization: Will not occur.

Section 11. Toxicological information

Health Effects:

Ingestion: Aspiration may occur during swallowing or vomiting, resulting in lung damage.
Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Skin: Causes severe skin irritation.
Repeated exposure may cause skin dryness or cracking.
Symptoms may include redness, edema, drying, defatting and cracking of the skin.
May cause skin sensitization.

Eyes: May cause mild irritation
Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

Inhalation: Vapors may cause headaches, nausea, dizziness and respiratory tract irritation.

Acute toxicity:

Hazardous components CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
Distillates (petroleum), hydrotreated light 64742-47-8	LD50 LC50 LD50	> 5,000 mg/kg > 5.3 mg/l > 2,000 mg/kg	oral inhalation dermal	4 h	rat rat rabbit	OECD Guideline 420 (Acute Oral Toxicity) not specified OECD Guideline 402 (Acute Dermal Toxicity)
Limonene D 5989-27-5	LD50 LD50	> 5,000 mg/kg > 5,000 mg/kg	oral dermal		rat rabbit	equivalent or similar to OECD Guideline 401 (Acute Oral Toxicity) equivalent or similar to 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	slightly irritating		rabbit	Expert judgement
Limonene D 5989-27-5	moderately irritating	4 h	rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)

Serious eye damage/irritation:

Hazardous components CAS-No.	Result	Exposure time	Species	Method
Distillates (petroleum), hydrotreated light 64742-47-8	not irritating		rabbit	EPA OTS 798.4500 (Acute Eye Irritation)
Limonene D 5989-27-5	not irritating		rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)

Respiratory or skin sensitization:

Hazardous components CAS-No.	Result	Test type	Species	Method
Distillates (petroleum), hydrotreated light 64742-47-8	not sensitising	Buehler test	guinea pig	OECD Guideline 406 (Skin Sensitisation)
Limonene D 5989-27-5	sensitising	Mouse local lymphnode assay (LLNA)	mouse	OECD Guideline 429 (Skin Sensitisation: Local Lymph Node Assay)

Germ cell mutagenicity:

Hazardous components CAS-No.	Result	Type of study / Route of administration	Metabolic activation / Exposure time	Species	Method
Distillates (petroleum), hydrotreated light 64742-47-8	negative negative negative	bacterial reverse mutation assay (e.g Ames test) mammalian cell gene mutation assay 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) OECD Guideline 479 (Genetic Toxicology: In Vitro Sister Chromatid Exchange Assay in Mammalian Cells)
Distillates (petroleum), hydrotreated light 64742-47-8	negative	intraperitoneal		rat	OECD Guideline 475 (Mammalian Bone Marrow Chromosome Aberration Test)
Limonene D 5989-27-5	negative negative negative negative	bacterial reverse mutation assay (e.g Ames test) in vitro mammalian chromosome aberration test mammalian cell gene mutation assay sister chromatid exchange assay in mammalian cells	with and without with and without with and without with and without		OECD Guideline 471 (Bacterial Reverse Mutation Assay) equivalent or similar to OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test) equivalent or similar to OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test) equivalent or similar to OECD Guideline 479 (Genetic Toxicology: In Vitro Sister Chromatid Exchange Assay in Mammalian Cells)
Limonene D 5989-27-5	negative	oral: gavage		rat	not specified

Repeated dose toxicity:

Hazardous components CAS-No.	Result	Route of application	Exposure time / Frequency of treatment	Species	Method
Limonene D 5989-27-5	NOAEL=825 mg/kg	oral: gavage	16 d5 d/w	rat	equivalent or similar to 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.

Ecotoxicity: Toxic to aquatic life with long lasting effects.

Toxicity:

Hazardous components CAS-No.	Value type	Value	Acute Toxicity Study	Exposure time	Species	Method
Distillates (petroleum), hydrotreated light 64742-47-8	LL50	> 2 - 5 mg/l	Fish	96 h	Oncorhynchus mykiss	OECD Guideline 203 (Fish, Acute Toxicity Test)
Distillates (petroleum), hydrotreated light 64742-47-8	EL50	1.4 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Distillates (petroleum), hydrotreated light 64742-47-8	EL50	8.3 mg/l	Algae	72 h	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)
Distillates (petroleum), hydrotreated light 64742-47-8	NOEL	4 mg/l	Algae	72 h	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)
Limonene D 5989-27-5	LC50	0.702 mg/l	Fish	96 h	Pimephales promelas	OECD Guideline 203 (Fish, Acute Toxicity Test)
Limonene D 5989-27-5	LC10	0.32 mg/l	Fish	8 d	Pimephales promelas	OECD Guideline 212 (Fish, Short-term Toxicity Test on Embryo and Sac-Fry Stages)
Limonene D 5989-27-5	EC50	0.577 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Limonene D 5989-27-5	EC50	0.32 mg/l	Algae	72 h	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)
Limonene D 5989-27-5	EC10	0.174 mg/l	Algae	72 h	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)
Limonene D 5989-27-5	EC10	18 mg/l	Bacteria	3 h	activated sludge of a predominantly domestic sewage	OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test)

Persistence and degradability:

Hazardous components CAS-No.	Result	Route of application	Degradability	Method
Distillates (petroleum), hydrotreated light 64742-47-8	readily biodegradable	aerobic	61 %	OECD Guideline 301 F (Ready Biodegradability: Manometric Respirometry Test)
Limonene D 5989-27-5	readily biodegradable	aerobic	71.4 %	OECD Guideline 301 B (Ready Biodegradability: CO2 Evolution Test)

Bioaccumulative potential / Mobility in soil:

Hazardous components CAS-No.	LogPow	Bioconcentration factor (BCF)	Exposure time	Species	Temperature	Method
Distillates (petroleum), hydrotreated light 64742-47-8	> 4					QSAR (Quantitative Structure Activity Relationship)
Limonene D 5989-27-5	4.57					not specified

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. Dispose of in accordance with local and national regulations.

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.:	1268
Proper shipping name:	PETROLEUM DISTILLATES, N.O.S.
Class or division:	3
Packing group:	III
Hazchem code:	3Y
Emergency information:	Refer to the Australian Emergency Response Guide Book

Marine transport IMDG:

UN no.:	1268
Proper shipping name:	PETROLEUM DISTILLATES, N.O.S. (limonene)
Class or division:	3
Packing group:	III
EmS:	F-E ,S-E
Seawater pollutant:	Marine pollutant

Marine transport IMDG:
Not available.

Air transport IATA:

UN no.:	1268
Proper shipping name:	Petroleum distillates, n.o.s.
Class or division:	3
Packing group:	III
Packing instructions (passenger)	355
Packing instructions (cargo)	366

`Section 15. Regulatory information

SUSMP Poisons Schedule 5

AIIC: All components are listed or are exempt from listing on the Australian Inventory of Chemical Substances (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
AIIC - Australian Inventory of Industrial Chemicals (AIIC)
AICIS - Australian Industrial Chemicals Introduction Scheme

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Disclaimer:

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