



Safety Data Sheet

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LOCTITE SF 7070 ODC-FREE CLEANING & DEGREASING
known as ODC-FREE CLEANER/DEGR 473ML

SDS No. : 175014
V001.1

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SECTION 1 IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product name: LOCTITE SF 7070 ODC-FREE CLEANING & DEGREASING known as ODC-FREE CLEANER/DEGR 473ML

Intended use: Solvent based cleaner

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

HSNO Classification:

3.1C Class 3 - Flammability, Subclass 3.1 - Liquids, Hazard Classification C
Class 6 - Toxicity, Subclass 6.1 - Acutely toxic, Hazard Classification E
Class 6 - Toxicity, Subclass 6.3 - Skin irritant, Hazard Classification A
Class 6 - Toxicity, Subclass 6.5 - Sensitisation, Hazard Classification B
Class 9 - Ecotoxicity, Subclass 9.1 - Aquatic, Hazard Classification B

GHS Classification:

<u>Hazard Class</u>	<u>Hazard Category</u>	<u>Target organ</u>
Flammable liquids	Category 3	
Skin irritation	Category 2	
Skin sensitizer	Category 1	
Target Organ Systemic Toxicant - Single exposure	Category 3	Central Nervous System
Aspiration hazard	Category 1	
Acute hazards to the aquatic environment	Category 2	
Chronic hazards to the aquatic environment	Category 2	

Hazard pictogram:



Signal word: Danger

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Hazard statement(s):	H226 Flammable liquid and vapor. H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H336 May cause drowsiness or dizziness. 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. P264 Wash hands thoroughly after handling. P271 Use only outdoors or in a well-ventilated area. 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/ shower. P304+P340+P312 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or physician if you feel unwell. P331 Do NOT induce vomiting. P333+P313 If skin irritation or rash occurs: Get medical advice/attention. P362 Take off contaminated clothing. P370+P378 In case of fire: Use water spray (fog), foam, dry chemical or carbon dioxide to extinguish. P391 Collect spillage.
Storage:	P403+P233 Store in a well-ventilated place. Keep container tightly closed. 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.

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

General chemical description: Mixture
solvent

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.

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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

Workplace exposure standards:

Ingredient [Regulated substance]	form of exposure	TWA (ppm)	TWA (mg/m3)	Ceiling	STEL (ppm)	STEL (mg/m3)
RUBBER SOLVENT (NAPTHA) 64742-47-8		400	1,600	-	-	-

None

Engineering controls: Ensure good ventilation/extraction.

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

pH: Not applicable

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: 6.7 mbar
 (; 25.0 °C (77 °F))
Vapor density: Heavier than air
Solubility in water: Insoluble
VOC content: 100 %
 (2010/75/EC)

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	> 5,000 mg/kg	oral	4 h	rat	OECD Guideline 420 (Acute Oral Toxicity) not specified OECD Guideline 402 (Acute Dermal Toxicity)
	LC50	> 5.3 mg/l	inhalation		rat	
	LD50	> 2,000 mg/kg	dermal		rabbit	

Skin corrosion/irritation:

Hazardous components CAS-No.	Result	Exposure time	Species	Method
Distillates (petroleum), hydrotreated light 64742-47-8	not irritating		rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)
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)

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)

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
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	EC50	577 µg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)

Persistence and degradability:

Hazardous components CAS-No.	Result	Route of application	Degradability	Method
Distillates (petroleum), hydrotreated light 64742-47-8	readily biodegradable, but failing 10-day window	aerobic	61 %	OECD Guideline 301 F (Ready Biodegradability: Manometric Respirometry Test)
Limonene D 5989-27-5	readily biodegradable		41 - 98 %	OECD Guideline 301 C (Ready Biodegradability: Modified MITI Test (I))

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	6.1					QSAR (Quantitative Structure Activity Relationship)
Limonene D 5989-27-5	4.57					not specified

SECTION 13. DISPOSAL CONSIDERATIONS

Waste disposal of product: Dispose of in accordance with local and national 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

Land Transport:

UN no.: 1268
Proper shipping name: PETROLEUM DISTILLATES, N.O.S.
Class or division: 3
Packing group: III
Hazchem code: 3Y

Marine transport IMDG:

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

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

HSNO Approval Number: HSR002528

Site and Storage: Refer to the site and storage requirements for this Group Standard.
Refer to the HSNO controls for approved hazardous substances.

NZIoC: Compliant for NZIOC

SECTION 16. OTHER INFORMATION

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

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Disclaimer:

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