



Safety Data Sheet

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LOCTITE SF 7070

SDS No. : 153660

V001.0

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SECTION 1 IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product name: LOCTITE SF 7070

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

Classified as hazardous under the New Zealand Hazardous Substances and New Organisms Act (HSNO).

Classified as Dangerous Goods under the Land Transport Rule: Dangerous Goods 2005.

GHS Classification:

Hazard Class

Flammable liquids
Skin irritation
Skin sensitizer
Aspiration hazard
Acute hazards to the aquatic environment

Hazard Category

Category 3
Category 2
Category 1
Category 1
Category 2

Hazard pictogram:



Signal word:

Danger

Hazard statement(s): H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
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.
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 mist/vapours.
P264 Wash hands thoroughly after handling.
P272 Contaminated work clothing should not be allowed out of the workplace.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response: P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or 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.
P362+P364 Take off contaminated clothing and wash it before reuse.
P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

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.

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

General chemical description: Mixture

Identity of ingredients:

Chemical ingredients	CAS-No.	Proportion
Limonene, D-	5989-27-5	10- < 20 %
non hazardous ingredients~		60- <= 100 %

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.
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.

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

Workplace exposure standards:

None

Biological Exposure Indices:

None

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:** blue, light liquid
- Odor:** of hydrocarbons
- Boiling point:** 173 - 193 °C (343.4 - 379.4 °F)
- Flash point:** 39 °C (102.2 °F)
(ASTM D56;; Tagliabue Closed Cup)
- Vapor pressure:** 0.3 hPa
(; 20 °C (68 °F))
- Vapor density:** > 1
- Density:** 0.77 g/cm³
- Auto ignition:** Not available.
- Decomposition temperature:**
- VOC content (2004/42/EC)** 99.9 % (VOCV 814.018 VOC regulation CH)

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.

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
Limonene, D-5989-27-5	LD50	> 5,000 mg/kg	oral		rat	equivalent or similar to OECD Guideline 401 (Acute Oral Toxicity) equivalent or similar to OECD Guideline 402 (Acute Dermal Toxicity)
	LD50	> 5,000 mg/kg	dermal		rabbit	

Skin corrosion/irritation:

Hazardous components CAS-No.	Result	Exposure time	Species	Method
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
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
Limonene, D-5989-27-5	sensitising	Mouse local lymph node 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
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.

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	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
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
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**Dangerous Goods information:****Land Transport:**

Classified as Dangerous Goods under the Land Transport Rule: Dangerous Goods 2005.

Land Transport:

UN no.: 1268
Proper shipping name: PETROLEUM DISTILLATES, N.O.S. (Stoddard Solvent)
Class or division: 3
Packing group: III

Marine transport IMDG:

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

Air transport IATA:

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

SECTION 15. REGULATORY INFORMATION**New Zealand regulatory information:**

Classified as hazardous under the New Zealand Hazardous Substances and New Organisms Act (HSNO).

HSNO Approval Number: HSR002528

NZIoC: Compliant for NZIOC

SECTION 16. OTHER INFORMATION

Abbreviations/acronyms: GHS: Globally Harmonized System
CAS: Chemical Abstracts Service
HSNO - Hazardous Substances and New Organisms
IATA-DGR: International Air Transport Association – Dangerous Goods Regulations
IMDG: International Maritime Dangerous Goods code

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