



## Safety Data Sheet

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LOCTITE SF 7070 CAN400ML

SDS No. : 153660

V001.0

Date of issue: 25.05.2022

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

**Product name:** LOCTITE SF 7070 CAN400ML

**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:

| <u>Hazard Class</u>                      | <u>Hazard Category</u> |
|--|------------------------|
| Flammable liquids                        | Category 3             |
| Skin irritation                          | Category 2             |
| Skin sensitizer                          | Category 1             |
| Aspiration hazard                        | Category 1             |
| Acute hazards to the aquatic environment | Category 2             |

#### Hazard pictogram:



**Signal word:** Danger

|                                    |  |
|------------------------------------|--|
| <b>Hazard statement(s):</b>        | H226 Flammable liquid and vapour.<br>H304 May be fatal if swallowed and enters airways.<br>H315 Causes skin irritation.<br>H317 May cause an allergic skin reaction.<br>H401 Toxic to aquatic life.  |
| <b>Precautionary Statement(s):</b> |  |
| <b>Prevention:</b>                 | P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.<br>P233 Keep container tightly closed.<br>P240 Ground and bond container and receiving equipment.<br>P241 Use explosion-proof electrical/ventilating/lighting equipment.<br>P242 Use non-sparking tools.<br>P243 Take action to prevent static discharges.<br>P261 Avoid breathing mist/vapours.<br>P264 Wash hands thoroughly after handling.<br>P272 Contaminated work clothing should not be allowed out of the workplace.<br>P273 Avoid release to the environment.<br>P280 Wear protective gloves/protective clothing/eye protection/face protection. |
| <b>Response:</b>                   | P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor.<br>P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].<br>P331 Do NOT induce vomiting.<br>P333+P313 If skin irritation or rash occurs: Get medical advice/attention.<br>P362+P364 Take off contaminated clothing and wash it before reuse.<br>P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.   |
| <b>Storage:</b>                    | P403+P235 Store in a well-ventilated place. Keep cool.<br>P405 Store locked up.  |
| <b>Disposal:</b>                   | 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   |
|---|------------|--------------|
| Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics | 90622-57-4 | 60- <= 100 % |
| Limonene, D-                                      | 5989-27-5  | 10- < 30 %   |

**Section 4. First aid measures**

|   |   |
|---|---|
| <b>Ingestion:</b>                               | Do not induce vomiting.<br>Have victim rinse mouth thoroughly with water.<br>Seek medical attention from a specialist.<br>If vomiting occurs, prevent aspiration by keeping the patient's head below the knees. |
| <b>Skin:</b>                                    | In case of contact, immediately remove contaminated clothing and flush skin with copious amounts of water.<br>Seek medical advice.  |
| <b>Eyes:</b>                                    | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.<br>In case of adverse health effects seek medical advice.  |
| <b>Inhalation:</b>                              | Move to fresh air in case of accidental inhalation of vapours.<br>Keep warm and in a quiet place.<br>In case of adverse health effects seek medical advice.   |
| <b>First Aid facilities:</b>                    | Eye wash and safety shower<br>Normal washroom facilities  |
| <b>Medical attention and special treatment:</b> | Treat symptomatically.<br><br>Aspiration may cause pulmonary edema or aspiration pneumonia.   |

### Section 5. Fire fighting measures

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

### Section 6. Accidental release measures

|                                   |   |
|-----------------------------------|---|
| <b>Personal precautions:</b>      | Keep away from sources of ignition.<br>Ensure adequate ventilation.<br>Keep unprotected persons away.<br>Wear protective equipment.<br>Avoid skin and eye contact.  |
| <b>Environmental precautions:</b> | Do not empty into drains / surface water / ground water.<br>Collect contaminated washing water for appropriate disposal.<br>Inform authorities in the event of product spillage to water courses or sewage systems. |
| <b>Clean-up methods:</b>          | Soak up with inert absorbent.<br>Use noncombustible absorbent material such as sand.<br>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:** 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/cm<sup>3</sup>
- Solubility in water:** Insoluble
- Auto ignition:** Not available.
- Decomposition temperature:**

### Section 10. Stability and reactivity

|  |   |
|--|---|
| <b>Stability:</b>                        | Stable under normal conditions of temperature and pressure.   |
| <b>Conditions to avoid:</b>              | Vapours may form explosive mixture with air.<br>Heat, flames, sparks and other sources of ignition.                                   |
| <b>Incompatible materials:</b>           | Reacts with strong oxidants.<br>Acids and bases.  |
| <b>Hazardous decomposition products:</b> | Thermal decomposition can lead to release of irritating gases and vapors.<br><br>Carbon monoxide.<br>Carbon dioxide.<br>Hydrocarbons. |
| <b>Hazardous polymerization:</b>         | Will not occur.   |

### Section 11. Toxicological information

|                        |  |
|------------------------|--|
| <b>Health Effects:</b> |  |
| <b>Ingestion:</b>      | Aspiration may occur during swallowing or vomiting, resulting in lung damage.<br>Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhea.   |
| <b>Skin:</b>           | Causes severe skin irritation.<br>Repeated exposure may cause skin dryness or cracking.<br>Symptoms may include redness, edema, drying, defatting and cracking of the skin.<br>May cause skin sensitization. |
| <b>Eyes:</b>           | May cause mild irritation  |
| <b>Inhalation:</b>     | Symptoms may include stinging, tearing, redness, swelling, and blurred vision.<br>Vapors may cause headaches, nausea, dizziness and respiratory tract irritation.  |

#### Acute toxicity:

| Hazardous components<br>CAS-No.                                       | Value<br>type | Value                          | Route of<br>application | Exposure<br>time | Species       | Method   |
|---|---------------|--------------------------------|-------------------------|------------------|---------------|--|
| Hydrocarbons, C11-C12,<br>isoalkanes, < 2%<br>aromatics<br>90622-57-4 | LD50<br>LD50  | > 5,000 mg/kg<br>> 2,000 mg/kg | oral<br>dermal          |                  | rat<br>rabbit | OECD Guideline 401 (Acute Oral Toxicity)<br>equivalent or similar to OECD Guideline 402 (Acute Dermal Toxicity)                          |
| Limonene, D-<br>5989-27-5   | LD50<br>LD50  | > 5,000 mg/kg<br>> 5,000 mg/kg | oral<br>dermal          |                  | rat<br>rabbit | equivalent or similar to OECD Guideline 401 (Acute Oral Toxicity)<br>equivalent or similar to OECD Guideline 402 (Acute Dermal Toxicity) |

#### Skin corrosion/irritation:

| Hazardous components<br>CAS-No.                                       | Result                | Exposure<br>time | Species | Method  |
|---|-----------------------|------------------|---------|---|
| Hydrocarbons, C11-C12,<br>isoalkanes, < 2%<br>aromatics<br>90622-57-4 | mildly irritating     |                  | rabbit  | equivalent or similar to OECD Guideline 404 (Acute Dermal Irritation / Corrosion) |
| Limonene, D-<br>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  |
|---|----------------|---------------|---------|---|
| Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics<br>90622-57-4 | not irritating |               | rabbit  | OECD Guideline 405 (Acute Eye Irritation / Corrosion) |
| 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   |
|---|-----------------|-------------------------------------|------------|--|
| Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics<br>90622-57-4 | not sensitising | Guinea pig maximisation test        | guinea pig | equivalent or similar to OECD Guideline 406 (Skin Sensitisation) |
| 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  |
|---|--|---|--|--------------|---|
| Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics<br>90622-57-4 | negative<br>negative<br>negative<br>negative | bacterial reverse mutation assay (e.g Ames test)<br>in vitro mammalian chromosome aberration test<br>mammalian cell gene mutation assay<br>sister chromatid exchange assay in mammalian cells | with and without<br>with and without<br>with and without<br>with and without |              | OECD Guideline 471 (Bacterial Reverse Mutation Assay)<br>equivalent or similar to OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test)<br>equivalent or similar to OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)<br>equivalent or similar to OECD Guideline 479 (Genetic Toxicology: In Vitro Sister Chromatid Exchange Assay in Mammalian Cells) |
| Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics<br>90622-57-4 | negative<br>negative                         |   |  | mouse<br>rat | equivalent or similar to OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test)<br>equivalent or similar to OECD Guideline 478 (Genetic Toxicology: Rodent Dominant Lethal Test)  |
| Limonene, D-5989-27-5   | negative<br>negative<br>negative<br>negative | bacterial reverse mutation assay (e.g Ames test)<br>in vitro mammalian chromosome aberration test<br>mammalian cell gene mutation assay<br>sister chromatid exchange assay in mammalian cells | with and without<br>with and without<br>with and without<br>with and without |              | OECD Guideline 471 (Bacterial Reverse Mutation Assay)<br>equivalent or similar to OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test)<br>equivalent or similar to OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)<br>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  |
|---|-------------------|----------------------|--|---------|---|
| Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics<br>90622-57-4 | NOAEL=5,000 mg/kg | oral: gavage         | 13 weeksdaily                          | rat     | equivalent or similar to OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents) |
| Limonene, D-<br>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   |
|---|------------|--------------|----------------------|---------------|---|--|
| Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics<br>90622-57-4 | LL50       | > 1,000 mg/l | Fish                 | 96 h          | Oncorhynchus mykiss                                 | OECD Guideline 203 (Fish, Acute Toxicity Test)                                   |
| Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics<br>90622-57-4 | EL50       | > 1,000 mg/l | Daphnia              | 48 h          | Daphnia magna                                       | OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)                       |
| Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics<br>90622-57-4 | EL50       | > 1,000 mg/l | Algae                | 72 h          | Pseudokirchneriella subcapitata                     | OECD Guideline 201 (Alga, Growth Inhibition Test)                                |
| Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics<br>90622-57-4 | NOELR      | 1,000 mg/l   | Algae                | 72 h          | Pseudokirchneriella subcapitata                     | OECD Guideline 201 (Alga, Growth Inhibition Test)                                |
| Limonene, D-<br>5989-27-5                                       | LC50       | 0.702 mg/l   | Fish                 | 96 h          | Pimephales promelas                                 | OECD Guideline 203 (Fish, Acute Toxicity Test)                                   |
| Limonene, D-<br>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-<br>5989-27-5                                       | EC50       | 0.577 mg/l   | Daphnia              | 48 h          | Daphnia magna                                       | OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)                       |
| Limonene, D-<br>5989-27-5                                       | EC50       | 0.32 mg/l    | Algae                | 72 h          | Pseudokirchneriella subcapitata                     | OECD Guideline 201 (Alga, Growth Inhibition Test)                                |
| Limonene, D-<br>5989-27-5                                       | EC10       | 0.174 mg/l   | Algae                | 72 h          | Pseudokirchneriella subcapitata                     | OECD Guideline 201 (Alga, Growth Inhibition Test)                                |
| Limonene, D-<br>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 |
|------------------------------|--------|----------------------|---------------|--------|
|------------------------------|--------|----------------------|---------------|--------|

|   |                            |         |        |   |
|---|----------------------------|---------|--------|---|
| Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics<br>90622-57-4 | not readily biodegradable. | aerobic | 31.3 % | OECD Guideline 301 F (Ready Biodegradability: Manometric Respirometry Test) |
| Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics<br>90622-57-4 | inherently biodegradable   | aerobic | 72 %   | OECD Guideline 301 F (Ready Biodegradability: Manometric Respirometry Test) |
| Limonene, D-<br>5989-27-5                                       | readily biodegradable      | aerobic | 71.4 % | OECD Guideline 301 B (Ready Biodegradability: CO2 Evolution Test)           |

**Bioaccumulative potential / Mobility in soil:**

| Hazardous components<br>CAS-No. | LogPow | Bioconcentration<br>factor (BCF) | Exposure<br>time | Species | Temperature | Method        |
|---------------------------------|--------|----------------------------------|------------------|---------|-------------|---------------|
| Limonene, D-<br>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. (Stoddard Solvent)

Class or division: 3

Packing group: III

Emergency information: Refer to the Australian Emergency Response Guide Book

**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**

**AIIC:** All components are listed or are exempt from listing on the Australian Inventory of Industrial Chemicals or Introduced under 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

**Reason for issue:** Reviewed SDS. Reissued with new date. involved chapters: 2,14

**Date of previous issue:** 12.04.2021

**Disclaimer:**

The percentage weight (% w/w) of ingredients is not to be taken as a specification guaranteed by Henkel Australia Pty. 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 Australia Pty. Limited concerning the properties of the material.

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