



## Safety Data Sheet

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LOCTITE SF 7063 400ML AE SFDN

SDS No. : 179512

V001.0

Date of issue: 16.08.2018

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

**Product name:** LOCTITE SF 7063 400ML AE SFDN

**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> | <u>Target organ</u>    |
|---|------------------------|------------------------|
| Flammable aerosols                                  | Category 1             |                        |
| Skin irritation                                     | Category 2             |                        |
| Target Organ Systemic Toxicant -<br>Single exposure | Category 3             | Central Nervous System |
| Acute hazards to the aquatic<br>environment         | Category 2             |                        |
| Chronic hazards to the aquatic<br>environment       | Category 2             |                        |

**Hazard pictogram:**



**Signal word:** Danger

|                                    |  |
|------------------------------------|--|
| <b>Hazard statement(s):</b>        | H222 Extremely flammable aerosol.<br>H315 Causes skin irritation.<br>H336 May cause drowsiness or dizziness.<br>H411 Toxic to aquatic life with long lasting effects.  |
| <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>P211 Do not spray on an open flame or other ignition source.<br>P251 Do not pierce or burn, even after use.<br>P261 Avoid breathing dust/fume/gas/mist/vapours/spray.<br>P264 Wash hands thoroughly after handling.<br>P271 Use only outdoors or in a well-ventilated area.<br>P273 Avoid release to the environment.<br>P280 Wear protective gloves. |
| <b>Response:</b>                   | P302+P352 IF ON SKIN: Wash with plenty of water.<br>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.<br>P332+P313 If skin irritation occurs: Get medical advice/attention.<br>P362 Take off contaminated clothing.<br>P391 Collect spillage.  |
| <b>Storage:</b>                    | P403+P233 Store in a well-ventilated place. Keep container tightly closed.<br>P405 Store locked up.<br>P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.  |
| <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  
**Type of preparation:** Solvent based activator.

**Identity of ingredients:**

| Chemical ingredients                       | CAS-No.    | Proportion |
|--|------------|------------|
| Naphtha, hydrotreated light, <0,1% benzene | 64742-49-0 | 30- < 60 % |
| Ethanol                                    | 64-17-5    | 10- < 30 % |
| Dimethoxymethane                           | 109-87-5   | 10- < 30 % |
| Carbon dioxide                             | 124-38-9   | < 10 %     |

**Section 4. First aid measures**

|   |   |
|---|---|
| <b>Ingestion:</b>                               | Do not induce vomiting.<br>Have victim rinse mouth thoroughly with water.<br>Seek medical advice.                         |
| <b>Skin:</b>                                    | For skin contact flush with large amounts of water.<br>In case of adverse health effects seek medical advice.             |
| <b>Eyes:</b>                                    | Immediately flush eyes with water for at least 15 minutes, while holding eyelids open.<br>Seek medical attention at once. |
| <b>Inhalation:</b>                              | Move to fresh air.<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<br>Normal washroom facilities  |
| <b>Medical attention and special treatment:</b> | Treat symptomatically.  |

### Section 5. Fire fighting measures

|  |  |
|--|--|
| <b>Suitable extinguishing media:</b>                   | Carbon dioxide, foam, powder   |
| <b>Improper extinguishing media:</b>                   | High pressure waterjet   |
| <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.   |
| <b>Particular danger in case of fire::</b>             | WARNING FLAMMABLE!<br>Vapors may travel considerable distance to source of ignition and flash back.<br>Contents under pressure.<br>Closed containers may rupture (due to build up of pressure) when exposed to extreme heat. |
| <b>Special protective equipment for fire-fighters:</b> | 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>      | Ensure adequate ventilation.<br>Avoid inhalation of vapor, fumes, dust and/or mist from the spilled material.<br>Avoid contact with skin and eyes.<br>Wear appropriate personal protective equipment. |
| <b>Environmental precautions:</b> | Dispose of according to Federal, State and local governmental regulations.<br>Do not empty into drains / surface water / ground water.  |
| <b>Clean-up methods:</b>          | Ventilate area.<br>Collect spilled material with an inert absorbent such as sand or vermiculite. Place in properly labeled closed container.  |

### Section 7. Handling and storage

- Precautions for safe handling:** Avoid naked flames, sparking and sources of ignition.  
Ensure good ventilation/suction at the workplace.  
Vapors will accumulate readily and may ignite explosively.  
Avoid breathing vapors or mists of this product.  
Avoid contact with eyes, skin and clothing.  
Wear suitable protective clothing, safety glasses and gloves.
- Conditions for safe storage:** Keep in a cool, well ventilated area away from heat, sparks and open flame. Keep container tightly closed until ready for use.  
Do not puncture, incinerate, or expose to temperatures above 48.9 °C (120 °F).  
Do not expose to direct heat.

**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) |
|--|------------------|-----------|-------------|-------------------|---------------------|------------|--------------|
| ETHYL ALCOHOL<br>64-17-5                                   |                  | 1,000     | 1,880       | -                 | -                   | -          | -            |
| METHYLAL<br>109-87-5                                       |                  | 1,000     | 3,110       | -                 | -                   | -          | -            |
| CARBON DIOXIDE<br>124-38-9                                 |                  | 5,000     | 9,000       | -                 | -                   | -          | -            |
| CARBON DIOXIDE IN COAL MINES<br>124-38-9                   |                  | 12,500    | 22,500      | -                 | -                   | -          | -            |
| CARBON DIOXIDE<br>CARBON DIOXIDE IN COAL MINES<br>124-38-9 |                  | -         | -           | -                 | -                   | 30,000     | 54,000       |

**Engineering controls:** Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits.  
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:** Wear protective glasses.

**Skin protection:** 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:** Use only in well-ventilated areas.  
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  
Aerosol
- Odor:** Hydrocarbon-like
- Density:** 0.742 g/cm<sup>3</sup>
- Solubility in water:** Not miscible

**Section 10. Stability and reactivity**

|  |  |
|--|--|
| <b>Stability:</b>                        | Stable under normal conditions of temperature and pressure.  |
| <b>Conditions to avoid:</b>              | Heat, flames, sparks and other sources of ignition.  |
| <b>Incompatible materials:</b>           | Strong oxidizing agents.<br>Strong acids.  |
| <b>Hazardous decomposition products:</b> | Thermal decomposition can lead to release of irritating gases and vapors.<br><br>Carbon monoxide.<br>Carbon dioxide. |
| <b>Hazardous polymerization:</b>         | Will not occur.  |

**Section 11. Toxicological information**

|                        |  |
|------------------------|--|
| <b>Health Effects:</b> |  |
| <b>Ingestion:</b>      | Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhea.                  |
| <b>Skin:</b>           | This product is irritating to the skin.<br>Repeated exposure may cause skin dryness or cracking. |
| <b>Eyes:</b>           | May cause eye irritation.  |
| <b>Inhalation:</b>     | Vapours may cause drowsiness and dizziness.  |

**Acute toxicity:**

| Hazardous components<br>CAS-No. | Value<br>type        | Value                                       | Route of<br>application      | Exposure<br>time | Species              | Method   |
|---------------------------------|----------------------|---|------------------------------|------------------|----------------------|--|
| Ethanol<br>64-17-5              | LD50<br>LC50<br>LD50 | 10,470 mg/kg<br>124.7 mg/l<br>> 2,000 mg/kg | oral<br>inhalation<br>dermal | 4 h              | rat<br>rat<br>rabbit | OECD Guideline 401 (Acute Oral Toxicity)<br>OECD Guideline 403 (Acute Inhalation Toxicity)<br>OECD Guideline 402 (Acute Dermal Toxicity) |
| Dimethoxymethane<br>109-87-5    | LD50<br>LD50         | 6,423 mg/kg<br>> 5,000 mg/kg                | oral<br><br>dermal           |                  | rat<br>rabbit        | not specified<br>OECD Guideline 402 (Acute Dermal Toxicity)  |

**Skin corrosion/irritation:**

| Hazardous components<br>CAS-No. | Result         | Exposure<br>time | Species | Method   |
|---------------------------------|----------------|------------------|---------|--|
| Ethanol<br>64-17-5              | not irritating |                  | rabbit  | OECD Guideline 404 (Acute Dermal Irritation / Corrosion) |

**Serious eye damage/irritation:**

| Hazardous components<br>CAS-No. | Result         | Exposure<br>time | Species | Method  |
|---------------------------------|----------------|------------------|---------|---|
| Ethanol<br>64-17-5              | not irritating |                  | rabbit  | OECD Guideline 405 (Acute Eye Irritation / Corrosion) |

**Respiratory or skin sensitization:**

| Hazardous components<br>CAS-No. | Result          | Test type                                      | Species    | Method  |
|---------------------------------|-----------------|--|------------|---|
| Ethanol<br>64-17-5              | not sensitising | Mouse<br>local<br>lymphnode<br>assay<br>(LLNA) | guinea pig | OECD Guideline 406 (Skin<br>Sensitisation)                            |
| Ethanol<br>64-17-5              | not sensitising | Mouse<br>local<br>lymphnode<br>assay<br>(LLNA) | mouse      | OECD Guideline 429 (Skin<br>Sensitisation: Local Lymph<br>Node Assay) |

**Germ cell mutagenicity:**

| Hazardous components<br>CAS-No. | Result                           | Type of study/<br>Route of<br>administration   | Metabolic<br>activation/<br>Exposure time | Species | Method   |
|---------------------------------|----------------------------------|--|---|---------|--|
| Ethanol<br>64-17-5              | negative<br>negative<br>negative | bacterial reverse<br>mutation assay (e.g<br>Ames test)<br>in vitro mammalian<br>chromosome<br>aberration test<br>mammalian cell<br>gene mutation assay | without<br>with and without               |         | OECD Guideline 471<br>(Bacterial Reverse Mutation<br>Assay)<br>OECD Guideline 473 (In vitro<br>Mammalian Chromosome<br>Aberration Test)<br>OECD Guideline 476 (In vitro<br>Mammalian Cell Gene<br>Mutation Test) |
| Ethanol<br>64-17-5              | negative                         |  |   |         | OECD Guideline 475<br>(Mammalian Bone Marrow<br>Chromosome Aberration Test)  |

**Section 12. Ecological information**

**General ecological information:**

Do not empty into drains / surface water / ground water., Toxic 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   |
|--|------------|---------------------|----------------------|---------------|---|--|
| Naphtha, hydrotreated light, <0,1% benzene<br>64742-49-0 | LC50       | > 1 - 10 mg/l       | Fish                 |               |   | OECD Guideline 203 (Fish, Acute Toxicity Test)                     |
| Naphtha, hydrotreated light, <0,1% benzene<br>64742-49-0 | EC50       | 3 mg/l              | Daphnia              | 48 h          | Daphnia magna   | OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)         |
| Naphtha, hydrotreated light, <0,1% benzene<br>64742-49-0 | EC50       | > 1 - 10 mg/l       | Algae                |               |   | OECD Guideline 201 (Alga, Growth Inhibition Test)                  |
| Ethanol<br>64-17-5                                       | LC50       | 14,200 mg/l         | Fish                 | 96 h          | Pimephales promelas   | OECD Guideline 203 (Fish, Acute Toxicity Test)                     |
| Ethanol<br>64-17-5                                       | EC50       | 9,268 - 14,221 mg/l | Daphnia              | 48 h          | Daphnia magna   | OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)         |
| Ethanol<br>64-17-5                                       | EC50       | 275 mg/l            | Algae                | 72 h          | Chlorella vulgaris  | OECD Guideline 201 (Alga, Growth Inhibition Test)                  |
| Ethanol<br>64-17-5                                       | EC10       | 11.5 mg/l           | Algae                | 72 h          | Chlorella vulgaris  | OECD Guideline 201 (Alga, Growth Inhibition Test)                  |
| Ethanol<br>64-17-5                                       | IC50       | > 1,000 mg/l        | Bacteria             | 3 h           | activated sludge  | OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test) |
| Dimethoxymethane<br>109-87-5                             | LC50       | 6,990 mg/l          | Fish                 | 96 h          | Pimephales promelas   | OECD Guideline 203 (Fish, Acute Toxicity Test)                     |
| Dimethoxymethane<br>109-87-5                             | EC50       | > 500 mg/l          | Daphnia              | 48 h          | Daphnia magna   | OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)         |
| Dimethoxymethane<br>109-87-5                             | EC10       | > 500 mg/l          | Algae                | 96 h          | Scenedesmus subspicatus (new name: Desmodesmus subspicatus) | OECD Guideline 201 (Alga, Growth Inhibition Test)                  |
| Dimethoxymethane<br>109-87-5                             | EC10       | 3,000 mg/l          | Bacteria             | 17 h          |   | DIN 38412, part 8 (Pseudomonas Zellvermehrungshemm-Test)           |

**Persistence and degradability:**

| Hazardous components CAS-No.                             | Result                | Route of application | Degradability | Method  |
|--|-----------------------|----------------------|---------------|---|
| Naphtha, hydrotreated light, <0,1% benzene<br>64742-49-0 | readily biodegradable | aerobic              | 89 %          | OECD Guideline 301 F (Ready Biodegradability: Manometric Respirometry Test) |
| Ethanol<br>64-17-5                                       | readily biodegradable | aerobic              | 80 - 85 %     | OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test)           |
| Dimethoxymethane<br>109-87-5                             |                       |                      | 88 %          | OECD 301 A - F  |

**Bioaccumulative potential / Mobility in soil:**

| Hazardous components CAS-No. | LogPow | Bioconcentration factor (BCF) | Exposure time | Species | Temperature | Method |
|------------------------------|--------|-------------------------------|---------------|---------|-------------|--------|
|------------------------------|--------|-------------------------------|---------------|---------|-------------|--------|

|   |         |  |  |  |       |  |
|---|---------|--|--|--|-------|--|
| Naphtha, hydrotreated light,<br><0,1% benzene<br>64742-49-0 | 4 - 5.7 |  |  |  |       | OECD Guideline 107<br>(Partition Coefficient (n-<br>octanol / water), Shake<br>Flask Method) |
| Ethanol<br>64-17-5  | -0.35   |  |  |  | 24 °C | not specified  |

### Section 13. Disposal considerations

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

**Disposal for uncleaned package:** Disposal must be made according to official 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.: 1950

Proper shipping name: AEROSOLS

Class or division: 2.1

Packing group:

Emergency information: Refer to the Dangerous Goods - Initial Emergency Response Guide HB 76.

#### Marine transport IMDG:

UN no.: 1950

Proper shipping name: AEROSOLS (Solvent Naphtha (Petroleum), Light Aromatic)

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:** ADGC - Australian Dangerous Goods Code  
IMDG: International Maritime Dangerous Goods code  
IATA-DGR: International Air Transport Association – Dangerous Goods Regulations  
STEL - Short term exposure limit  
TWA - Time weighted average

**Reason for issue:** First issue. involved chapters: 1-16

**Disclaimer:**

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