



## Safety Data Sheet

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LOCTITE SF 7850 known as Loctite 7850 \*new\* 10ltr Multi

SDS No. : 486043

V001.0

Revision: 13.06.2016

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

**Product name:** LOCTITE SF 7850 known as Loctite 7850 \*new\* 10ltr Multi

**Other means of identification:** LOCTITE SF 7850 10L M/L

**Product code:** IDH1658212

**Recommended use of the chemical and restrictions on use**

**Intended use:** Adhesive

**Identification of manufacturer, importer or distributor**

**Importer:** Henkel Singapore Pte Ltd 401 Commonwealth Drive, #03-01/02, Haw Par Technocentre, Singapore. 149598  
Phone : +65 62660100 Fax : +65 62661161

**E-mail address of person responsible for Safety Data Sheet:** ap-ua-psra.sea@henkel.com

**Emergency information:** FOR EMERGENCIES ONLY (Spill, major leak, Fire, Exposure, or Accident). Call CHEMTREC: +1 703-741-5970

### Section 2. Hazards identification

**GHS Classification:**

<u>Hazard Class</u>	<u>Hazard Category</u>
Skin sensitizer	Category 1
Chronic hazards to the aquatic environment	Category 3

**GHS label elements:**

**Hazard pictogram:**



**Signal word:**

Warning

**Hazard statement:** H317 May cause an allergic skin reaction.  
H412 Harmful to aquatic life with long lasting effects.

**Precaution:**

**Prevention:** 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.

**Response:** P302+P352 IF ON SKIN: Wash with plenty of water.  
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.  
P363 Wash contaminated clothing before reuse.

**Disposal:** P501 Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

**Section 3. Composition / information on ingredients**

**Substance or Mixture:**  
Mixture

**Declaration of hazardous chemical:**

Hazard component CAS-No.	Content	GHS Classification
Limonene, D- 5989-27-5	1- 10 %	Flammable liquids 3 H226 Skin corrosion/irritation 2 H315 Skin sensitizer 1 H317 Aspiration hazard 1 H304 Acute hazards to the aquatic environment 1 H400 Chronic hazards to the aquatic environment 1 H410
Polyethylene 9002-88-4	1- 10 %	

**Section 4. First aid measures**

**Inhalation:** Should not be a problem as product is of low volatility. However, if feeling unwell remove patient to fresh air.

**Skin contact:** Rinse with running water and soap.  
Obtain medical attention if irritation persists.

**Eye contact:** Rinse immediately with plenty of running water (for 10 minutes), seek medical attention from a specialist.

**Ingestion:** Rinse mouth, drink 1-2 glasses of water, do not induce vomiting, consult a doctor.

**Indication of immediate medical attention and special treatment needed:** See section: Description of first aid measures

### Section 5. Fire fighting measures

**Suitable extinguishing media:** All common extinguishing agents are suitable.

**Improper extinguishing media:** High pressure waterjet

**Specific hazards arising from the chemical:** In the event of a fire, carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>) and nitrogen oxides (NO<sub>x</sub>) can be released.  
In case of fire, keep containers cool with water spray.

**Special protection equipment and precautions for firefighters:** Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.

**Additional fire fighting advice:** In case of fire, keep containers cool with water spray.

### Section 6. Accidental release measures

**Personal precautions:** Avoid contact with skin and eyes.  
Wear protective equipment.  
Ensure adequate ventilation.

**Environmental precautions:** Do not empty into drains / surface water / ground water.

**Clean-up methods:** For small spills wipe up with paper towel and place in container for disposal.  
For large spills absorb onto inert absorbent material and place in sealed container for disposal.

### Section 7. Handling and storage

**Handling:** Avoid skin and eye contact.  
See advice in section 8

**Storage:** Store in sealed original container. Storage at 8 to 21°C is recommended.

**Section 8. Exposure controls / personal protection**

Components with specific control parameters for workplace:

NUISANCE PARTICULATES 9002-88-4	<b>Value type</b>	Time Weighted Average (TWA):
	<b>mg/m<sup>3</sup></b>	10
	<b>Remarks</b>	SG PEL
PARTICLES (INSOLUBLE OR POORLY SOLUBLE) NOT OTHERWISE SPECIFIED, INHALABLE PARTICLES 9002-88-4	<b>Value type</b>	Time Weighted Average (TWA):
	<b>mg/m<sup>3</sup></b>	10
	<b>Remarks</b>	ACGIH
PARTICLES (INSOLUBLE OR POORLY SOLUBLE) NOT OTHERWISE SPECIFIED, RESPIRABLE PARTICLES 9002-88-4	<b>Value type</b>	Time Weighted Average (TWA):
	<b>mg/m<sup>3</sup></b>	3
	<b>Remarks</b>	ACGIH

**Respiratory protection:** Ensure adequate ventilation.  
An approved mask or respirator fitted with an organic vapour cartridge should be worn if the product is used in a poorly ventilated area  
Filter type: A

**Hand protection:** Chemical-resistant protective gloves (EN 374).  
Suitable materials for short-term contact or splashes (recommended: at least protection index 2, corresponding to > 30 minutes permeation time as per EN 374):  
nitrile rubber (NBR; >= 0.4 mm thickness)  
Suitable materials for longer, direct contact (recommended: protection index 6, corresponding to > 480 minutes permeation time as per EN 374):  
nitrile rubber (NBR; >= 0.4 mm thickness)  
This information is based on literature references and on information provided by glove manufacturers, or is derived by analogy with similar substances. Please note that in practice the working life of chemical-resistant protective gloves may be considerably shorter than the permeation time determined in accordance with EN 374 as a result of the many influencing factors (e.g. temperature). If signs of wear and tear are noticed then the gloves should be replaced.

**Eye protection:** Safety glasses with sideshields or chemical safety goggles should be worn if there is a risk of splashing.

**Body protection:** Wear suitable protective clothing.

**Engineering controls:** Ensure good ventilation/extraction.

**Hygienic measures:** Wash hands before work breaks and after finishing work. Good industrial hygiene practices should be observed. Do not eat, drink or smoke while working.

**Section 9. Physical and chemical properties**

**Appearance:** Off white  
Liquid  
**Odor:** citrus-fruit-like  
**Odor threshold (CA):** No data available.  
**pH:** 5 - 7

<b>Melting point / freezing point:</b>	No data available.
<b>Specific gravity:</b>	0.97 - 1.03
<b>Boiling point:</b>	> 100 °C (> 212 °F)
<b>Flash point:</b>	88 - 92 °C (190.4 - 197.6 °F)
<b>Evaporation rate:</b>	No data available.
<b>Flammability (solid, gas):</b>	No data available.
<b>Lower explosive limit:</b>	No data available.
<b>Upper explosive limit:</b>	No data available.
<b>Vapor pressure:</b> (; 50 °C (122 °F))	< 12.3000000 kPa
<b>Vapor density:</b>	No data available.
<b>Density:</b>	No data available.
<b>Solubility:</b>	No data available.
<b>Partition coefficient: n-octanol/water:</b>	No data available.
<b>Auto ignition:</b>	No data available.
<b>Decomposition temperature:</b>	No data available.
<b>Viscosity:</b>	No data available.
<b>VOC content:</b>	No data available.

### Section 10. Stability and reactivity

<b>Reactivity/Incompatible materials:</b>	None if used properly.
<b>Chemical stability:</b>	Stable under recommended storage conditions.
<b>Conditions to avoid:</b>	Stable under normal conditions of storage and use.
<b>Hazardous decomposition products:</b>	None if used for intended purpose.

### Section 11. Toxicological information

<b>Symptoms of Overexposure:</b>	Prolonged or repeated contact may cause skin irritation. Prolonged or repeated contact may cause eye irritation. SKIN: Rash, Urticaria.
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#### Acute oral toxicity:

Limonene, D- 5989-27-5	Value type	LD50
	Value	> 5,000 mg/kg
	Species	rat
	Method	OECD Guideline 401 (Acute Oral Toxicity)
Polyethylene 9002-88-4	Value type	LD50
	Value	> 4,500 mg/kg
	Species	rat
	Method	

#### Acute dermal toxicity:

Limonene, D- 5989-27-5	Value type	LD50
	Value	> 5,000 mg/kg
	Species	rabbit
	Method	OECD Guideline 402 (Acute Dermal Toxicity)

#### Skin corrosion/irritation:

Limonene, D- 5989-27-5	Result	moderately irritating
	Exposure time	4 h
	Species	rabbit
	Method	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)

**Serious eye damage/irritation:**

Limonene, D- 5989-27-5	Result	not irritating
	Exposure time	
	Species	rabbit
	Method	OECD Guideline 405 (Acute Eye Irritation / Corrosion)

**Respiratory or skin sensitization:**

Limonene, D- 5989-27-5	Result	sensitising
	Test type	Mouse local lymphnode assay (LLNA)
	Species	mouse
	Method	OECD Guideline 429 (Skin Sensitisation: Local Lymph Node Assay)

**Germ cell mutagenicity:**

Limonene, D- 5989-27-5	Result	negative
	Type of study / Route of administration	bacterial reverse mutation assay (e.g Ames test)
	Metabolic activation / Exposure time	with and without
	Method	OECD Guideline 471 (Bacterial Reverse Mutation Assay)
Limonene, D- 5989-27-5	Result	negative
	Type of study / Route of administration	in vitro mammalian chromosome aberration test
	Metabolic activation / Exposure time	with and without
	Method	OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test)
Limonene, D- 5989-27-5	Result	negative
	Type of study / Route of administration	mammalian cell gene mutation assay
	Metabolic activation / Exposure time	with and without
	Method	OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)
Limonene, D- 5989-27-5	Result	negative
	Type of study / Route of administration	sister chromatid exchange assay in mammalian cells
	Metabolic activation / Exposure time	with and without
	Method	OECD Guideline 479 (Genetic Toxicology: In Vitro Sister Chromatid Exchange Assay in Mammalian Cells)
Limonene, D- 5989-27-5	Result	negative
	Type of study / Route of administration	oral: gavage
	Metabolic activation / Exposure time	
	Species	rat
Polyethylene 9002-88-4	Result	negative
	Type of study / Route of administration	bacterial reverse mutation assay (e.g Ames test)
	Metabolic activation / Exposure time	
	Method	

**Repeated dose toxicity:**

Limonene, D- 5989-27-5	Result	NOAEL=825 mg/kg
	Route of application	oral: gavage
	Exposure time / Frequency of treatment	16 dOnce per day; 5 days/week
	Species	rat
	Method	OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity in Rodents)
Limonene, D- 5989-27-5	Result	NOAEL=600 mg/kg
	Route of application	oral: gavage
	Exposure time / Frequency of treatment	13 wOnce per day; 5 days/week
	Species	rat
	Method	OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)

**Section 12. Ecological information**

**Ecotoxicity:** Do not empty into drains / surface water / ground water., Harmful to aquatic life with long lasting effects.

**Toxicity:**

Limonene, D- 5989-27-5	Value type	LC50
	Value	0.702 mg/l
	Acute Toxicity Study	Fish
	Exposure time	96 h
	Species	Pimephales promelas
	Method	OECD Guideline 203 (Fish, Acute Toxicity Test)
Limonene, D- 5989-27-5	Value type	EC50
	Value	577 µg/l
	Acute Toxicity Study	Daphnia
	Exposure time	48 h
	Species	Daphnia magna
	Method	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Polyethylene 9002-88-4	Value type	LC50
	Value	> 100 mg/l
	Acute Toxicity Study	Fish
	Exposure time	96 h
	Species	Leuciscus idus
	Method	OECD Guideline 203 (Fish, Acute Toxicity Test)
Polyethylene 9002-88-4	Value type	EC0
	Value	> 1,000 mg/l
	Acute Toxicity Study	Bacteria
	Exposure time	
	Species	
	Method	

**Persistence and degradability:**

Limonene, D- 5989-27-5	Result	readily biodegradable
	Route of application	
	Degradability	41 - 98 %
	Method	OECD Guideline 301 C (Ready Biodegradability: Modified MITI Test (I))
Polyethylene 9002-88-4	Result	
	Route of application	aerobic
	Degradability	1 %
	Method	ISO 10708 (BODIS-Test)

**Bioaccumulative potential / Mobility in soil:**

Limonene, D- 5989-27-5	LogKow	4.57
	Temperature	
	Method	

**Section 13. Disposal considerations**

**Product**

**Method of disposal:** Collection and delivery to recycling enterprise or other registered elimination institution. Dispose of in accordance with local and national regulations.

**Packaging**

**Disposal of uncleaned packages:** After use, tubes, cartons and bottles containing residual product should be disposed of as chemically contaminated waste in an authorised legal land fill site or incinerated.

### Section 14. Transport information

**Road transport ADR:**

Not dangerous goods

**Railroad transport RID:**

Not dangerous goods

**Inland water transport ADN:**

Not dangerous goods

**Marine transport IMDG:**

Not dangerous goods

**Air transport IATA:**

Not dangerous goods

### Section 15. Regulatory information

**Regulatory Information:** Workplace Safety And Health Act (Chapter 354A) Workplace Safety And Health (Approved Codes of Practice) Notification 2013 SS586 Specification for Hazard Communication for hazardous chemicals and dangerous good Part 1,2,3

**Global inventory status:**

Regulatory list	Notification
NDSL	yes

### Section 16. Other information

**Disclaimer:**

This information is based on our current level of knowledge and relates to the product in the state in which it is delivered. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties.