



## Safety Data Sheet

Page 1 of 8

LOCTITE 262 PERMANENT T/L 50ML

SDS No. : 153483

V001.4

Date of issue: 23.09.2021

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

**Product name:** LOCTITE 262 PERMANENT T/L 50ML

**Intended use:** Anaerobic Sealant

**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:**

**Hazard Class**

Serious eye irritation  
Target Organ Systemic Toxicant -  
Single exposure  
Acute hazards to the aquatic  
environment  
Chronic hazards to the aquatic  
environment

**Hazard Category**

Category 2A  
Category 3  
Category 3  
Category 3

**Target organ**

respiratory tract irritation

**Hazard pictogram:**



**Signal word:**

Warning

<b>Hazard statement(s):</b>	H319 Causes serious eye irritation. H335 May cause respiratory irritation. H412 Harmful to aquatic life with long lasting effects.
<b>Precautionary Statement(s):</b>	
<b>Prevention:</b>	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. P273 Avoid release to the environment. P280 Wear eye protection/face protection.
<b>Response:</b>	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. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 If eye irritation persists: Get medical advice/attention.
<b>Storage:</b>	P403+P233 Store in a well-ventilated place. Keep container tightly closed. 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:**

Not 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  
Polyacrylate  
**Type of preparation:** Anaerobic adhesive

**Identity of ingredients:**

Chemical ingredients	CAS-No.	Proportion
Ethene, homopolymer	9002-88-4	< 10 %
$\alpha$ , $\alpha$ -dimethylbenzyl hydroperoxide	80-15-9	1- < 3 %
non hazardous ingredients~		60- <= 100 %

**Section 4. First aid measures**

**Ingestion:** Rinse mouth, do not induce vomiting, consult a doctor.

**Skin:** Rinse with running water and soap.  
Seek medical advice.

**Eyes:** Rinse immediately with plenty of running water (for 10 minutes). Seek medical attention if necessary.

**Inhalation:** Move to fresh air. If symptoms persist, seek medical advice.

**First Aid facilities:** Eye wash and safety shower  
Normal washroom facilities

**Medical attention and special treatment:**

Treat symptomatically and supportively.

**Section 5. Fire fighting measures****Suitable extinguishing media:** Carbon dioxide, foam, powder**Combustion behaviour:** Non flammable product (flash point is greater than 100°C (CC))**Decomposition products in case of fire:** Thermal decomposition can lead to release of irritating gases and vapors. Oxides of carbon, oxides of nitrogen, irritating organic vapors.**Special protective equipment for fire-fighters:** 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:** Wear protective equipment.  
Ensure adequate ventilation.  
Avoid skin and eye contact.**Environmental precautions:** Do not allow product to enter sewer or waterways.**Clean-up methods:** Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).  
Scrape up spilled material and place in a closed container for disposal.**Section 7. Handling and storage****Precautions for safe handling:** See advice in section 8  
Use only in well-ventilated areas.  
Prolonged or repeated skin contact should be avoided to minimise any risk of sensitisation.  
Avoid breathing vapors or mists of this product.**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.**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)
NUISANCE DUSTS, INHALABLE DUST 9002-88-4	Inhalable dust.		10				

<b>Engineering controls:</b>	No specific ventilation requirements noted, but forced ventilation may still be required if concentrations exceed occupational exposure limits.
<b>Eye protection:</b>	Wear protective glasses.
<b>Skin protection:</b>	Wear suitable protective clothing. Use of Butyl or Nitrile Rubber gloves is recommended. 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.
<b>Respiratory protection:</b>	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

<b>Appearance:</b>	red liquid
<b>Odor:</b>	characteristic
<b>pH:</b>	Not applicable, Mixture reacts with water.
<b>Specific gravity:</b>	1.05
<b>Boiling point:</b>	> 150 °C (> 302 °F)
<b>Flash point:</b> (Tagliabue closed cup)	> 93.3 °C (> 199.94 °F)
<b>Vapor pressure:</b> (; 27 °C (80.6 °F))	< 5 mm hg
<b>Density:</b>	1.05 g/ml
<b>Solubility in water:</b>	Slightly soluble
<b>VOC content:</b> (2010/75/EC) ( )	< 3 % 0 % 0 g/l

## Section 10. Stability and reactivity

<b>Stability:</b>	Stable under normal conditions of temperature and pressure.
<b>Conditions to avoid:</b>	Keep away from heat, ignition sources and incompatible materials.
<b>Incompatible materials:</b>	Iron. Rust. Aluminum. Zinc. Reducing agents. Strong acids and oxidizing agents. Oxygen scavengers. Strong alkalis. Copper.
<b>Hazardous decomposition products:</b>	Thermal decomposition can lead to release of irritating gases and vapors.  Oxides of carbon. Oxides of sulfur. Oxides of nitrogen. Phenolics. Irritating organic vapours.
<b>Hazardous polymerization:</b>	Will not occur.

**Section 11. Toxicological information****Health Effects:****Ingestion:**

Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

**Skin:**

Contact with skin can cause irritation and allergic reaction (sensitization) in some individuals.

**Eyes:**

Causes serious eye irritation.

Symptoms may include severe irritation, pain, tearing, blurred vision.

**Inhalation:**

Causes respiratory tract irritation.

Excessive inhalation of this material causes headache, dizziness, nausea and incoordination.

**Acute toxicity:**

Hazardous components CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
Ethene, homopolymer 9002-88-4	LD50 LD50	> 2,000 mg/kg > 2,000 mg/kg	oral dermal		rat rabbit	OECD Guideline 423 (Acute Oral toxicity) not specified
$\alpha$ , $\alpha$ -dimethylbenzyl hydroperoxide 80-15-9	LD50 LC50 LD50 Acute toxicity estimate (ATE)	382 mg/kg 1.370 mg/l 530 - 1,060 mg/kg 1,100 mg/kg	oral inhalation dermal dermal	4 h	rat rat rat	other guideline: not specified other guideline: Expert judgement

**Skin corrosion/irritation:**

Hazardous components CAS-No.	Result	Exposure time	Species	Method
$\alpha$ , $\alpha$ -dimethylbenzyl hydroperoxide 80-15-9	corrosive		rabbit	Draize Test

**Serious eye damage/irritation:**

Hazardous components CAS-No.	Result	Exposure time	Species	Method
Ethene, homopolymer 9002-88-4	not irritating	24 h	rabbit	FDA Guideline

**Respiratory or skin sensitization:**

Hazardous components CAS-No.	Result	Test type	Species	Method
Ethene, homopolymer 9002-88-4	not 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
Ethene, homopolymer 9002-88-4	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		Ames Test
$\alpha$ , $\alpha$ -dimethylbenzyl hydroperoxide 80-15-9	positive	bacterial reverse mutation assay (e.g Ames test)	without		OECD Guideline 471 (Bacterial Reverse Mutation Assay)
$\alpha$ , $\alpha$ -dimethylbenzyl hydroperoxide 80-15-9	negative	dermal		mouse	not specified

**Repeated dose toxicity:**

Hazardous components CAS-No.	Result	Route of application	Exposure time / Frequency of treatment	Species	Method
$\alpha$ , $\alpha$ -dimethylbenzyl hydroperoxide 80-15-9		inhalation: aerosol	6 h/d5 d/w	rat	not specified

**Section 12. Ecological information**

**General ecological information:** Do not empty into drains / surface water / ground water.

**Ecotoxicity:** Harmful to aquatic life with long lasting effects.

**Toxicity:**

Hazardous components CAS-No.	Value type	Value	Acute Toxicity Study	Exposure time	Species	Method
Ethene, homopolymer 9002-88-4	LC50	> 100 mg/l	Fish	96 h	Leuciscus idus	OECD Guideline 203 (Fish, Acute Toxicity Test)
Ethene, homopolymer 9002-88-4	EC0	> 1,000 mg/l	Bacteria	3 h	not specified	OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test)
$\alpha$ , $\alpha$ -dimethylbenzyl hydroperoxide 80-15-9	LC50	3.9 mg/l	Fish	96 h	Oncorhynchus mykiss	OECD Guideline 203 (Fish, Acute Toxicity Test)
$\alpha$ , $\alpha$ -dimethylbenzyl hydroperoxide 80-15-9	EC50	18.84 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
$\alpha$ , $\alpha$ -dimethylbenzyl hydroperoxide 80-15-9	EC50	3.1 mg/l	Algae	72 h	Desmodesmus subspicatus (reported as Scenedesmus subspicatus)	OECD Guideline 201 (Alga, Growth Inhibition Test)
$\alpha$ , $\alpha$ -dimethylbenzyl hydroperoxide 80-15-9	NOEC	1 mg/l	Algae	72 h	Desmodesmus subspicatus (reported as Scenedesmus subspicatus)	OECD Guideline 201 (Alga, Growth Inhibition Test)
$\alpha$ , $\alpha$ -dimethylbenzyl hydroperoxide 80-15-9	EC10	70 mg/l	Bacteria	30 min		not specified

**Persistence and degradability:**

Hazardous components CAS-No.	Result	Route of application	Degradability	Method
Ethene, homopolymer 9002-88-4	not readily biodegradable.	aerobic	1 %	ISO 10708 (BODIS-Test)
$\alpha$ , $\alpha$ -dimethylbenzyl hydroperoxide 80-15-9	not readily biodegradable.	aerobic	3 %	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
$\alpha$ , $\alpha$ -dimethylbenzyl hydroperoxide 80-15-9		9.1		calculation		OECD Guideline 305 (Bioconcentration: Flow- through Fish Test)
$\alpha$ , $\alpha$ -dimethylbenzyl hydroperoxide 80-15-9	1.6				25 °C	OECD Guideline 117 (Partition Coefficient (n- octanol / water), HPLC Method)

### Section 13. Disposal considerations

- Waste disposal of product:** Dispose of in accordance with local and national regulations.  
Contribution of this product to waste is very insignificant in comparison to article in which it is used
- Disposal for uncleaned package:** 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.  
Disposal must be made according to official regulations.

### Section 14. Transport information

**Road and Rail Transport:**

Dangerous Goods information: Not classified as Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code).

**Marine transport IMDG:**

Not dangerous goods

**Air transport IATA:**

Not dangerous goods

### Section 15. Regulatory information

**SUSMP Poisons Schedule** None

### 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

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**Disclaimer:**

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