

# SAFETY DATA SHEET

**LOCTITE 242**

Infosafe No.: LTSZA

ISSUED Date : 18/09/2020

ISSUED by: HENKEL AUSTRALIA PTY LTD

## 1. Identification

**GHS Product Identifier**

LOCTITE 242

**Company name**

HENKEL AUSTRALIA PTY LTD

**Address**135-141 Canterbury Road Kilsyth  
VIC 3137 AUSTRALIA**Telephone/Fax Number**

Tel: +61 (3) 9724 6444

**Emergency phone number**

24 HOUR EMERGENCY CONTACT NUMBER: 1800 032 379

## 2. Hazard Identification

**GHS classification of the substance/mixture**

Eye Damage/Irritation: Category 2A

Hazardous to the Aquatic Environment - Acute Hazard: Category 3

Hazardous to the Aquatic Environment - Long-Term Hazard: Category 3

STOT Single Exposure: Category 3 (respiratory tract irritation)

**Signal Word (s)**

WARNING

**Hazard Statement (s)**

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

H412 Harmful to aquatic life with long lasting effects.

**Precautionary statement – General**

Not Applicable

**Pictogram (s)**

Exclamation mark

**Precautionary statement – Prevention**

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.

**Precautionary statement – Response**

P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

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Continue rinsing.

P312 Call a POISON CENTER or doctor/physician if you feel unwell.

P337+P313 If eye irritation persists: Get medical advice/attention.

### Precautionary statement – Storage

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

### Precautionary statement – Disposal

P501 Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations..

### Other Information

Classification of the substance or mixture:

Hazardous according to the criteria of Safe Work Australia.

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).

## 3. Composition/information on ingredients

### Ingredients

Name	CAS	Proportion
Polyethylene glycol 200 dimethacrylate	25852-47-5	50-<80 %
Propane-1,2-diol	57-55-6	<10 %
Non hazardous ingredients~		20-<70 %

### Other Information

General chemical description: Mixture

Type of preparation: Anaerobic Sealant

Identity of ingredients:

Chemical ingredients / CAS-No. / Proportion

a, a-dimethylbenzyl hydroperoxide 80-15-9 1- < 3 %

1,4-Naphthalenedione 130-15-4 < 1 %

## 4. First-aid measures

### Inhalation

Move to fresh air in case of accidental inhalation of vapours.

Seek medical advice.

### Ingestion

Do not induce vomiting.

Have victim rinse mouth thoroughly with water.

Seek medical advice.

### Skin

In case of contact, immediately remove contaminated clothing and flush skin with copious amounts of water.

Seek medical advice.

### Eye contact

Wash with plenty of water immediately and continue for several minutes, holding eyelid open. Consult a doctor.

### First Aid Facilities

Eye wash and safety shower

Normal washroom facilities

### Indication of immediate medical attention and special treatment needed if necessary

Treat symptomatically and supportively.

## 5. Fire-fighting measures

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### Suitable Extinguishing Media

Carbon dioxide, foam, powder

### Hazards from Combustion Products

Thermal decomposition can lead to release of irritating gases and vapors. Carbon monoxide Carbon dioxide. Oxides of nitrogen. Oxides of sulfur.

### Special Protective Equipment for fire fighters

Wear full protective clothing. Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA).

### Specific Methods

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.

## 6. Accidental release measures

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### Methods And Materials For Containment And Cleaning Up

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.

### Personal Precautions

Avoid skin and eye contact.

Danger of slipping on spilled product.

Wear protective equipment.

Ensure adequate ventilation.

Use personal protective equipment as described in Section 8.

### Environmental Precautions

Waste disposal with the approval of the responsible local authority.

Do not discharge into surface water/ground water.

## 7. Handling and storage

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### Precautions for Safe Handling

Use only in well-ventilated areas.

Avoid skin and eye contact.

Wear suitable protective clothing, safety glasses and gloves.

### Conditions for safe storage, including any incompatibilities

Store in original containers at 8-21°C (46.4-69.8°F) and do not return residual materials to containers as contamination may reduce the shelf life of the bulk product.

### Unsuitable Materials

Plastic

## 8. Exposure controls/personal protection

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### Occupational exposure limit values

National exposure standards:

Ingredient [Regulated substance] / form of exposure / TWA (ppm) / TWA (mg/m<sup>3</sup>)

SILICA, AMORPHOUS: FUMED SILICA (RESPIRABLE DUST) 112945-52-5 Respirable dust. - 2

FUMED SILICA (RESPIRABLE DUST) 112945-52-5 Respirable dust. - 2 PROPANE-1,2-DIOL TOTAL: (VAPOUR & PARTICULATES)

57-55-6 Total vapour and particulates. 150 474

PROPANE-1,2-DIOL: PARTICULATES ONLY 57-55-6 Particulate. - 10

None

### Appropriate engineering controls

Ensure good ventilation/suction at the workplace.

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### 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.

### Eye Protection

Wear protective glasses.

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

### Body Protection

Wear suitable protective clothing.

Recommended gloves include butyl rubber and neoprene.

Use chemical resistant, impervious gloves and clothing to prevent skin contact.

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.

## 9. Physical and chemical properties

Properties	Description	Properties	Description
Form	Liquid	Appearance	Blue
Odour	Mild	Boiling Point	>149°C >300.2°F
Specific Gravity	1.1	pH	Not applicable
Vapour Pressure	(; 27 °C (80.6 °F)) < 6.67 mbar	Flash Point	>93.3°C (Tagliabue Closed Cup) >199.94°F (Tagliabue Closed Cup)
Dynamic Viscosity	(BROOKFIELD WITH HELIPATH; Instrument: RVF, HELIPATH; 25 °C (77 °F); speed of rotation: 20 min-1; Spindle No: 3; Method: ;; LCT STM 10; Viscosity Brookfield): 800 - 1,600 mPa.s		

### Other Information

VOC content: 0.56 % 6.17 g/l

## 10. Stability and reactivity

### Chemical Stability

Stable under normal conditions of temperature and pressure.

### Conditions to Avoid

Avoid excessive heat and ignition sources.

Extremes of temperature.

### Incompatible materials

Strong oxidizing agents.

Acids and bases.

Reducing agents.

### Hazardous Decomposition Products

Thermal decomposition can lead to release of irritating gases and vapors.

carbon monoxide

Carbon dioxide.

Oxides of sulfur.

Oxides of nitrogen.

**Hazardous Polymerization**

Will not occur.

## 11. Toxicological Information

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**Toxicology Information**

Acute toxicity:

Hazardous components: Polyethylene glycol 200 dimethacrylate

CAS-No.: 25852-47-5

Value type: LD50

Value: > 5,000 mg/kg

Route of application: oral

Species: rat

Method: not specified

Hazardous components: Propane-1,2-diol

CAS-No.: 57-55-6

Value type: LD50

Value: 22,000 mg/kg

Route of application: oral

Species: rat

Method: not specified

Value type: LC50

Value: > 317.042 mg/l

Route of application: inhalation

Species: rabbit

Method: not specified

Value type: LD50

Value: > 2,000 mg/kg

Route of application: dermal

Exposure time: 2 h

Species: rabbit

Method: not specified

Hazardous components: a, a-dimethylbenzyl hydroperoxide

CAS-No.: 80-15-9

Value type: LD50

Value: 382 mg/kg

Route of application: oral

Species: rat

Method: other guideline:

Value type: LD50

Value: 530 - 1,060 mg/kg

Route of application: dermal

Species: rat

Method: other guideline:

Value type: Acute toxicity estimate (ATE)

Value: 1,100 mg/kg

Route of application: dermal

Method: Expert judgement

Hazardous components: 1,4-Naphthalenedione

CAS-No.: 130-15-4

Value type: LD50

Value: 190 mg/kg

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Route of application: oral  
Species: rat  
Method: not specified

Respiratory or skin sensitization:

Hazardous components / CAS-No. / Result / Test type / Species / Method

Propane-1,2-diol 57-55-6 not sensitising Guinea pig maximisation test guinea pig equivalent or similar to OECD Guideline 406 (Skin Sensitisation)

Repeated dose toxicity:

Hazardous components / CAS-No. / Result / Route of application / Exposure time / Frequency of treatment / Species / Method

Propane-1,2-diol 57-55-6 NOAEL=1,700 mg/kg oral: feed 2 years daily rat not specified

Propane-1,2-diol 57-55-6 NOAEL=1000 mg/m<sup>3</sup> inhalation 90 d 6 h/d, 5 d/w rat not specified

a, a-dimethylbenzyl hydroperoxide 80-15-9 inhalation: aerosol 6 h/d 5 d/w rat not specified

### Ingestion

May cause mild gastrointestinal irritation with nausea, vomiting, diarrhea and abdominal pain.

### Inhalation

Causes respiratory tract irritation. Vapors may cause irritation of the nose, throat, and respiratory tract.

### Skin

May cause mild skin irritation.

### Eye

Causes serious eye irritation. Symptoms may include severe irritation, pain, tearing, blurred vision.

### Skin corrosion/irritation

Hazardous components / CAS-No. / Result / Exposure time / Species / Method

Propane-1,2-diol 57-55-6 not irritating 4 h rabbit OECD Guideline 404 (Acute Dermal Irritation / Corrosion)

a, a-dimethylbenzyl hydroperoxide 80-15-9 corrosive - rabbit Draize Test

### Serious eye damage/irritation

Hazardous components / CAS-No. / Result / Exposure time / Species / Method

Propane-1,2-diol 57-55-6 not irritating - rabbit OECD Guideline 405 (Acute Eye Irritation / Corrosion)

### Germ cell mutagenicity

Hazardous components: Propane-1,2-diol

CAS-No.: 57-55-6

Result: negative

Type of study / Route of administration: bacterial reverse mutation assay (e.g Ames test)

Metabolic activation / Exposure time: without

Method: Ames Test

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)

Hazardous components: Propane-1,2-diol

CAS-No.: 57-55-6

Result: negative

Type of study / Route of administration: oral: gavage

Species: rat

Method: not specified

Result: negative

Type of study / Route of administration: intraperitoneal

Species: mouse

Method: not specified

Result: negative

Type of study / Route of administration: oral: gavage

Species: rat

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Method: not specified

Hazardous components: a, a-dimethylbenzyl hydroperoxide

CAS-No.: 80-15-9

Result: positive

Type of study / Route of administration: bacterial reverse mutation assay (e.g Ames test)

Metabolic activation / Exposure time: without

Method: OECD Guideline 471 (Bacterial Reverse Mutation Assay)

Hazardous components: a, a-dimethylbenzyl hydroperoxide

CAS-No.: 80-15-9

Result: negative

Type of study / Route of administration: dermal

Species: mouse

Method: not specified

## 12. Ecological information

### Ecological information

General ecological information:

Do not empty into drains / surface water / ground water.

Bioaccumulative potential / Mobility in soil:

Hazardous components / CAS-No. / LogPow / Bioconcentration factor (BCF) / Species / Temperature / Method

Propane-1,2-diol 57-55-6 -1.07 - - 20.5 °C EU Method A.8 (Partition Coefficient)

a, a-dimethylbenzyl hydroperoxide 80-15-9 - 9.1 calculation OECD Guideline 305 (Bioconcentration: Flow-through Fish Test)

a, a-dimethylbenzyl hydroperoxide 80-15-9 2.16 - - - not specified

1,4-Naphthalenedione 130-15-4 1.71 - - - not specified

### Ecotoxicity

Harmful to aquatic life with long lasting effects.

Toxicity:

Hazardous components / CAS-No. / Value type / Value / Acute Toxicity Study / Exposure time / Species / Method

Polyethylene glycol 200 dimethacrylate 25852-47-5 LC50 > 10 - 100 mg/l Fish 96 h not specified OECD Guideline 203 (Fish, Acute Toxicity Test)

Polyethylene glycol 200 dimethacrylate 25852-47-5 EC0 > 10 - 100 mg/l Bacteria 3 h not specified OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test)

Propane-1,2-diol 57-55-6 LC50 > 10,000 mg/l Fish 48 h *Leuciscus idus* DIN 38412-15

Propane-1,2-diol 57-55-6 EC50 18,340 mg/l *Daphnia* 48 h *Ceriodaphnia dubia* other guideline:

Propane-1,2-diol 57-55-6 EC50 24,200 mg/l Algae 72 h *Pseudokirchneriella subcapitata* OECD Guideline 201 (Alga, Growth Inhibition Test)

Propane-1,2-diol 57-55-6 NOEC 15,000 mg/l Algae 14 d *Pseudokirchneriella subcapitata* OECD Guideline 201 (Alga, Growth Inhibition Test)

Propane-1,2-diol 57-55-6 EC50 > 1,000 mg/l Bacteria 3 h activated sludge OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test)

a, a-dimethylbenzyl hydroperoxide 80-15-9 LC50 3.9 mg/l Fish 96 h *Oncorhynchus mykiss* OECD Guideline 203 (Fish, Acute Toxicity Test)

a, a-dimethylbenzyl hydroperoxide 80-15-9 EC50 18 mg/l *Daphnia* 48 h *Daphnia magna* OECD Guideline 202 (*Daphnia* sp. Acute Immobilisation Test)

a, a-dimethylbenzyl hydroperoxide 80-15-9 EC50 3.1 mg/l Algae 72 h *Pseudokirchneriella subcapitata* OECD Guideline 201 (Alga, Growth Inhibition Test)

a, a-dimethylbenzyl hydroperoxide 80-15-9 EC10 70 mg/l Bacteria 30 min - not specified

1,4-Naphthalenedione 130-15-4 EC50 0.011 mg/l Algae 72 h *Dunaliella bioculata* OECD Guideline 201 (Alga, Growth Inhibition Test)

### Persistence and degradability

Hazardous components / CAS-No. / Result / Route of application / Degradability / Method

Polyethylene glycol 200 dimethacrylate 25852-47-5 readily biodegradable aerobic > 60 % OECD 301 A - F

Propane-1,2-diol 57-55-6 not inherently biodegradable aerobic 60 % OECD Guideline 302 B (Inherent biodegradability: Zahn-Wellens/EMPA Test)

Propane-1,2-diol 57-55-6 readily biodegradable aerobic > 81.7 - 100 % OECD Guideline 301 F (Ready Biodegradability: Manometric Respirometry Test)

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a, a-dimethylbenzyl hydroperoxide 80-15-9 - no data 0 % OECD Guideline 301 B (Ready Biodegradability: CO2 Evolution Test)  
1,4-Naphthalenedione 130-15-4 not readily biodegradable. no data 0 - 60 % OECD 301 A - F

### 13. Disposal considerations

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#### Waste Disposal

Dispose of in accordance with local and national regulations.

#### Container Disposal

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.

### 14. Transport information

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#### U.N. Number

None Allocated

#### UN proper shipping name

None Allocated

#### Transport hazard class(es)

None Allocated

#### UN Number (Air Transport, ICAO)

NCAD

#### IATA/ICAO Proper Shipping Name

Not dangerous for conveyance under IATA code

#### IMDG UN No

NCAD

#### IMDG Proper Shipping Name

Not dangerous for conveyance under IMO/IMDG code

#### Other 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

### 15. Regulatory information

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#### Regulatory information

SUSMP Poisons Schedule:

None

#### Poisons Schedule

Not Scheduled



## 16. Other Information

### User Codes

User Title Label	User Codes
Wis Numbers	05451244

### Revisions Highlighted

Reason for issue:

Reviewed SDS. Reissued with new date. involved chapters: 1,2,3,6.8,9,15,16

### Other Information

SDS No. : 150233

V001.6

Abbreviations/acronyms:

ADGC - Australian Dangerous Goods Code

GHS: Globally Harmonized System

CAS: Chemical Abstracts Service

OECD: Organization for Economic Cooperation and Development

LD 50: Lethal Dose 50%

LC 50: Lethal Concentration 50%

IMDG: International Maritime Dangerous Goods code

IATA-DGR: International Air Transport Association – Dangerous Goods Regulations

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## END OF SDS

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