



Safety Data Sheet

LOCTITE 569 HYDRAULIC SEALANT known as Loctite 569
50ML AU

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SDS No. : 150775

V001.4

Date of issue: 07.02.2020

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

Product name: LOCTITE 569 HYDRAULIC SEALANT known as Loctite 569 50ML AU

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:

| <u>Hazard Class</u> | <u>Hazard Category</u> | <u>Target organ</u> |
|---|------------------------|------------------------------|
| Serious eye irritation | Category 2A | |
| Target Organ Systemic Toxicant - Single exposure | Category 3 | respiratory tract irritation |
| Acute hazards to the aquatic environment | Category 3 | |
| Chronic hazards to the aquatic environment | Category 3 | |

Hazard pictogram:



Signal word:

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(s): | |
| 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. |
| Response: | 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. |
| Storage: | P403+P233 Store in a well-ventilated place. Keep container tightly closed. P405 Store locked up. |
| Disposal: | 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).

Signal word:

HAZARDOUS

Section 3. Composition / information on ingredients

General chemical description: Mixture
Type of preparation: Anaerobic Sealant

Identity of ingredients:

| Chemical ingredients | CAS-No. | Proportion |
|---|---------|------------|
| α , α -dimethylbenzyl hydroperoxide | 80-15-9 | 1- < 3 % |

Section 4. First aid measures

| | |
|------------------------------|--|
| Ingestion: | Rinse mouth, do not induce vomiting, consult a doctor. |
| Skin: | Rinse with running water and soap. Remove contaminated clothing and footwear. If skin irritation persists, call a physician. |
| 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 Normal washroom facilities |

Medical attention and special treatment: Treat symptomatically.

Section 5. Fire fighting measures

Suitable extinguishing media: Carbon dioxide, foam, powder

Decomposition products in case of fire: Oxides of carbon.
Irritating fumes.

Particular danger in case of fire: See section 10.

Special protective equipment for fire-fighters: Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.

Section 6. Accidental release measures

Personal precautions: Avoid skin and eye contact.
Ensure adequate ventilation.
People who are not part of the emergency service should stay away.

Environmental precautions: Do not let product enter drains.
Follow all local, state, federal and provincial regulations for disposal.

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

Precautions for safe handling: Use only in well-ventilated areas.

Conditions for safe storage: 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.

Section 8. Exposure controls / personal protection

National exposure standards:

None

Engineering controls: Ensure good ventilation/suction at the workplace.

Eye protection: Safety goggles or safety glasses with side shields.

Skin protection: Use impermeable gloves and protective clothing as necessary to prevent skin contact.
Neoprene gloves.
Butyl rubber gloves.
Natural rubber gloves.

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: brown
liquid
Odor: mild
Specific gravity: 1.049
Flash point: > 93.3 °C (> 199.94 °F)
(Tagliabue closed cup)
Solubility in water: < 1.00000 g/l

Section 10. Stability and reactivity

Conditions to avoid: Excessive heat.
Incompatible materials: Reacts with strong oxidants.
Hazardous decomposition products: Carbon dioxide, carbon monoxide and irritating and/or toxic gases and particulate may be generated by thermal decomposition or combustion.

Section 11. Toxicological information

Health Effects:
Ingestion: Ingestion may cause stomach ache and vomiting.
Skin: May cause skin irritation.
Eyes: Contact with eyes will cause irritation.
Inhalation: This product is irritating to the respiratory system.
Aggravated med. condition: Eye, skin, and respiratory disorders.

Acute toxicity:

| Hazardous components CAS-No. | Value type | Value | Route of application | Exposure time | Species | Method |
|---|--|-------------------------------------|-------------------------|------------------|---------|--|
| α, α-dimethylbenzyl hydroperoxide 80-15-9 | LD50 | 382 mg/kg | oral | | rat | other guideline: other guideline: Expert judgement |
| | LD50 Acute toxicity estimate (ATE) | 530 - 1,060 mg/kg 1,100 mg/kg | dermal dermal | | rat | |

Skin corrosion/irritation:

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

Germ cell mutagenicity:

| Hazardous components CAS-No. | Result | Type of study / Route of administration | Metabolic activation / Exposure time | Species | Method |
|---|----------|--|--|---------|---|
| α , α -dimethylbenzyl hydroperoxide 80-15-9 | positive | bacterial reverse mutation assay (e.g Ames test) | without | | OECD Guideline 471 (Bacterial Reverse Mutation Assay) |
| α , α -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 |
|---|--------|-------------------------|--|---------|---------------|
| α , α -dimethylbenzyl hydroperoxide 80-15-9 | | inhalation: aerosol | 6 h/d5 d/w | rat | not specified |

Section 12. Ecological information**General ecological information:**

Cured Loctite products are typical polymers and do not pose any immediate environmental hazards., Do not empty into drains / surface water / ground water.

Ecotoxicity:

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

Toxicity:

| Hazardous components CAS-No. | Value type | Value | Acute Toxicity Study | Exposure time | Species | Method |
|---|---------------|----------|----------------------------|------------------|---------------------------------|--|
| α , α -dimethylbenzyl hydroperoxide 80-15-9 | LC50 | 3.9 mg/l | Fish | 96 h | Oncorhynchus mykiss | OECD Guideline 203 (Fish, Acute Toxicity Test) |
| α , α -dimethylbenzyl hydroperoxide 80-15-9 | EC50 | 18 mg/l | Daphnia | 48 h | Daphnia magna | OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test) |
| α , α -dimethylbenzyl hydroperoxide 80-15-9 | ErC50 | 3.1 mg/l | Algae | 72 h | Pseudokirchneriella subcapitata | OECD Guideline 201 (Alga, Growth Inhibition Test) |
| α , α -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 |
|---|--------|-------------------------|---------------|---|
| α , α -dimethylbenzyl hydroperoxide 80-15-9 | | no data | 0 % | 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 |
|---|--------|----------------------------------|------------------|-------------|-------------|--|
| α , α -dimethylbenzyl hydroperoxide 80-15-9 | | 9.1 | | calculation | | OECD Guideline 305 (Bioconcentration: Flow- through Fish Test) |
| α , α -dimethylbenzyl hydroperoxide 80-15-9 | 2.16 | | | | | not specified |

Section 13. Disposal considerations

- Waste disposal of product:** Dispose of in accordance with local and national regulations.
- 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: IATA-DGR: International Air Transport Association – Dangerous Goods Regulations
GHS: Globally Harmonized System
CAS: Chemical Abstracts Service
LD 50: Lethal Dose 50%
OECD: Organization for Economic Cooperation and Development
ADGC - Australian Dangerous Goods Code
IMDG: International Maritime Dangerous Goods code

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Disclaimer:

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