



Safety Data Sheet

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LOCTITE 5127 FLEXIBLE GASKET SEALANT known as
Flexible Anaerobic Gasket Flan

SDS No. : 153650
V001.4

Date of issue: 26.08.2020

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

Product name: LOCTITE 5127 FLEXIBLE GASKET SEALANT known as Flexible Anaerobic Gasket Flan

Intended use: Anaerobic Adhesive

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>
Skin irritation	Category 2	
Serious eye irritation	Category 2A	
Target Organ Systemic Toxicant - Single exposure	Category 3	respiratory tract irritation
Acute hazards to the aquatic environment	Category 3	

Hazard pictogram:



Signal word:

Warning

Hazard statement(s):	H315 Causes skin irritation. H319 Causes serious eye irritation. H335 May cause respiratory irritation. H402 Harmful to aquatic life.
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 protective gloves, eye protection, and face protection.
Response:	P302+P352 IF ON SKIN: Wash with plenty of water. 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. P332+P313 If skin irritation occurs: Get medical advice/attention. P337+P313 If eye irritation persists: Get medical advice/attention. P362 Take off contaminated clothing.
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).

Section 3. Composition / information on ingredients

General chemical description: Mixture
Type of preparation: Anaerobic Gasket

Identity of ingredients:

Chemical ingredients	CAS-No.	Proportion
2-Hydroxy-3-phenoxypropyl methacrylate	16926-87-7	20- < 30 %
α , α -dimethylbenzyl hydroperoxide	80-15-9	1- < 3 %
non hazardous ingredients~		70- < 90 %

Section 4. First aid measures

Ingestion:	Do not induce vomiting. Have victim rinse mouth thoroughly with water. Seek medical advice.
Skin:	For skin contact flush with large amounts of water. Seek medical advice.
Eyes:	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Seek medical advice.

Inhalation: Move to fresh air.
Keep warm and in a quiet place.
Seek medical advice.

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

Section 5. Fire fighting measures

Suitable extinguishing media: Foam, dry chemical or carbon dioxide.

Improper extinguishing media: High pressure waterjet

Decomposition products in case of fire: Thermal decomposition can lead to release of irritating gases and vapors.
Oxides of carbon.
Oxides of sulfur.
Oxides of nitrogen.

Special protective equipment for fire-fighters: Wear full protective clothing.
Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA).

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

Section 6. Accidental release measures

Personal precautions: Ensure adequate ventilation.
Avoid skin and eye contact.
Wear appropriate personal protective equipment.

Environmental precautions: Do not let product enter drains.

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.
Gloves and safety glasses should be worn

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:

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

FUMED SILICA (RESPIRABLE DUST) 112945-52-5	Respirable dust.		2				
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None

- Engineering controls:** Ensure good ventilation/suction at the workplace.
- Eye protection:** Wear protective glasses.
- Skin protection:** Wear suitable protective clothing.
protective gloves made of PVC.
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:** 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:** blue
paste
- Odor:** mild
- pH:** Not applicable
- Specific gravity:** 1.0961
- Boiling point:** > 149 °C (> 300.2 °F)
- Flash point:** > 93.3 °C (> 199.94 °F)
(Tagliabue closed cup)
- Vapor pressure:** < 6.67 mbar
(; 27 °C (80.6 °F))
- Density:** 1.02 g/cm³
- Solubility in water:** Slight
- Viscosity (dynamic):** 70,000 - 140,000 mPa.s
(BROOKFIELD WITH
HELIPATH; Instrument: HBT;
25 °C (77 °F); speed of rotation:
5 min-1; Spindle No: TC;
Method: ;; LCT STM 10;
Viscosity Brookfield)
- VOC content:** < 3 %
(2010/75/EC)

Section 10. Stability and reactivity

- Stability:** Stable under recommended storage conditions.
- Conditions to avoid:** Elevated temperatures.
Heat, flames, sparks and other sources of ignition.
Store away from incompatible materials.

Incompatible materials: Free radical initiators.
Strong oxidizing agents.
Reducing agents.
Alkalis.
Rust.
Acids.
copper
Iron.

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

Oxides of nitrogen.
Oxides of sulfur.
Oxides of carbon.

Hazardous polymerization: Will not occur.

Section 11. Toxicological information

Health Effects:

Ingestion: Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Skin: May cause mild skin irritation.
Symptoms may include redness, edema, drying, defatting and cracking of the skin.
May cause skin sensitization.
Eyes: Causes serious eye irritation.
Symptoms may include stinging, tearing, redness, swelling, and blurred vision.
Inhalation: This product is irritating to the respiratory system.
Inhalation of mists/vapors of this product may cause dizziness, nausea, and respiratory tract congestion.

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	530 - 1,060 mg/kg	dermal		rat	
	Acute toxicity estimate (ATE)	1,100 mg/kg	dermal			

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

Ecotoxicity: Harmful to aquatic life.

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.
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

AICS: All components are listed or are exempt from listing on the Australian Inventory of Chemical Substances (AICS).

Section 16. Other information

Abbreviations/acronyms: IMDG: International Maritime Dangerous Goods code
CAS: Chemical Abstracts Service
REACH: Registration, Evaluation, Authorization & Restriction of Chemicals
OECD: Organization for Economic Cooperation and Development
LD 50: Lethal Dose 50%
LC 50: Lethal Concentration 50%
IATA-DGR: International Air Transport Association – Dangerous Goods Regulations
ADGC - Australian Dangerous Goods Code

Reason for issue: Reviewed SDS. Reissued with new date. involved chapters: 2,3,8,9,16

Date of previous issue: 02.09.2015

Disclaimer:

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