

Safety Data Sheet

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LOCTITE 567 THREAD SEALANT TT50MLAU

SDS No. : 546886
V001.0
Revision: 02.09.2018
printing date: 03.04.2023**SECTION 1 IDENTIFICATION OF THE MATERIAL AND SUPPLIER****Product name:** LOCTITE 567 THREAD SEALANT TT50MLAU**Intended use:** Anaerobic Sealant**Supplier:**Henkel New Zealand Ltd
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New Zealand

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Emergency information: 24 HOUR EMERGENCY CONTACT NUMBER 0800 243 622**SECTION 2 HAZARDS IDENTIFICATION****Classification of the substance or mixture**Classified as hazardous according to criteria in the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001.
Not Classified as Dangerous Goods according to NZS 5433: 2012 and the Land Transport Rule: Dangerous Goods 2005.**HSNO Classification:**6.1E Class 6 - Toxicity, Subclass 6.1 - Acutely toxic, Hazard Classification E
Class 6 - Toxicity, Subclass 6.3 - Skin irritant, Hazard Classification A
Class 6 - Toxicity, Subclass 6.4 - Eye irritant, Hazard Classification A
Class 9 - Ecotoxicity, Subclass 9.1 - Aquatic, Hazard Classification C**GHS Classification:**

Hazard Class	Hazard Category	Target organ
Skin irritation		
Serious eye irritation	Category 2	
Target Organ Systemic Toxicant - Single exposure	Category 2A 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): H315 Causes skin irritation.
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 protective gloves/protective clothing/eye protection/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.

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

General chemical description: Type of preparation: Mixture
Anaerobic
Sealant

Identity of ingredients:

Chemical ingredients	CAS-No.	Proportion
3,3,5 Trimethylcyclohexyl methacrylate	7779-31-9	10- 30 %
Propane-1,2-diol	57-55-6	< 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
Normal washroom facilities

Medical attention and special treatment: Treat symptomatically and supportively.

SECTION 5. FIRE FIGHTING MEASURES

Suitable extinguishing media: Foam, extinguishing powder, carbon dioxide. Water spray or fog.

Improper extinguishing media: High pressure waterjet

Decomposition products in case of fire: Thermal decomposition can lead to release of irritating gases and vapors. carbon monoxide
Carbon dioxide.

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: Avoid skin and eye contact. Ensure adequate ventilation.

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 with adequate ventilation. Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling. Keep container closed. Refer to Section 8.

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

Workplace exposure standards:

Ingredient [Regulated substance]	form of exposure	TWA (ppm)	TWA (mg/m3)	Ceiling	STEL (ppm)	STEL (mg/m3)
PROPANE-1,2-DIOL, PARTICULATES ONLY 57-55-6	Particulate.		10			
PROPANE-1,2-DIOL, VAPOUR & PARTICULATES	Vapor and particulates.	150	474			

Engineering	Ensure good ventilation/suction at the workplace.
controls: Eye	Safety goggles or safety glasses with side shields.
protection:	Use impermeable gloves and protective clothing as necessary to prevent
Skin protection:	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:	Off white paste
Odor:	mild
pH:	Not available.
Melting point / freezing point:	Not available.
Specific gravity:	1.15
Boiling point:	> 149 °C (> 300.2 °F)
Flash point:	> 93 °C (> 199.4 °F)
Density:	1.15 g/cm ³
Solubility in water:	Not available.
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:	Reacts with strong oxidants.
Hazardous decomposition products:	Oxides of carbon and nitrogen, aldehydes, acids and undetermined organics. Toxic fluorine compounds. Ketones.

SECTION 11 TOXICOLOGICAL INFORMATION

Health Effects:**Ingestion:**

Ingestion may cause stomach ache and vomiting.

Skin:

Irritating to skin.

Eyes:

Symptoms may include redness, edema, drying, defatting and cracking of the skin. Causes serious eye irritation.

Inhalation:

Symptoms may include severe irritation, pain, tearing, blurred vision. 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
Propane-1,2-diol 57-55-6	LD50	22,000 mg/kg	oral	2 h	rat	not specified
	LC50	> 317.042 mg/l	inhalation		rabbit	not specified
	LD50	> 2,000 mg/kg	dermal		rabbit	not specified

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)

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)

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	OECD Guideline 406 (Skin Sensitisation)

Germ cell mutagenicity:

Hazardous components CAS-No.	Result	Type of study / Route of administration	Metabolic activation / Exposure time	Species	Method
Propane-1,2-diol 57-55-6	negative	bacterial reverse mutation assay (e.g. Ames test)	without		Ames Test OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test)
	negative	in vitro mammalian chromosome aberration test	with and without		
Propane-1,2-diol 57-55-6	negative	oral: gavage		rat	not specified
	negative	intraperitoneal		mouse	not specified
	negative	oral: gavage		rat	not specified

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 ³	inhalation	90 d 6 h/d, 5 d/w	rat	not specified

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:

Harmful to aquatic life with long lasting effects.

Toxicity:

Hazardous components CAS-No.	Value type	Value	Acute Toxicity Study	Exposure time	Species	Method
Propane-1,2-diol 57-55-6	LC50	> 10,000 mg/	Fish	48 h	Leuciscus idus	DIN 38412-15
Propane-1,2-diol 57-55-6	EC50	134,400 mg/ l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Propane-1,2-diol 57-55-6	EC50	19,000 mg/l	Algae	14 d	Selenastrum capricornutum (new name: Pseudokirchneriella subcapitata)	OECD Guideline 201 (Alga, Growth Inhibition Test)
Propane-1,2-diol 57-55-6	NOEC	15,000 mg/l	Algae	14 d	Selenastrum capricornutum (new name: 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)

Persistence and degradability:

Hazardous components CAS-No.	Result	Route of application	Degradability	Method
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	> 70 %	OECD Guideline 301 A (new version) (Ready Biodegradability: DOC Die Away Test)

Bioaccumulative potential / Mobility in soil:

Hazardous components CAS-No.	LogPow	Bioconcentration factor (BCF)	Exposure time	Species	Temperature	Method
Propane-1,2-diol 57-55-6	-1.07				20.5 °C	EU Method A.8 (Partition Coefficient)

SECTION 13. DISPOSAL CONSIDERATIONS**Waste disposal of product:**

Dispose of in accordance with local and national regulations.

Disposal for uncleaned

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.

package:**SECTION 14. TRANSPORT INFORMATION**

Dangerous Goods information:

Not Classified as Dangerous Goods according to NZS 5433: 2012 and the Land Transport Rule: Dangerous Goods 2005.

Marine transport IMDG:

Not dangerous goods

Air transport IATA:

Not dangerous goods

SECTION 15. REGULATORY INFORMATION

New Zealand regulatory information:

Classified as hazardous according to criteria in the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001.

HSNO Approval Number: Group standard HSR002670

Site and Storage: Refer to the site and storage requirements for this Group Standard.

NZIoC: Compliant for NZIOC

SECTION 16. OTHER INFORMATION

Abbreviations/acronyms: IMDG: International Maritime Dangerous Goods code
IATA-DGR: International Air Transport Association – Dangerous Goods Regulations
GHS: Globally Harmonized System

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Disclaimer:

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