



Safety Data Sheet in compliance with Indian Manufacture, Storage and Import of Hazardous Chemicals Rules 1989, Rule 17, Schedule 9

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LOCTITE 577 MEDIUM STRENGTH THREAD SEALANT
known as Loctite 577 50ML AU

MSDS-No. : 168431

V001.1

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

Product name: LOCTITE 577 MEDIUM STRENGTH THREAD SEALANT known as Loctite 577 50ML AU

Material: 229930

Product category: Anaerobic Sealant

Identification of manufacturer, importer or distributor

Manufacturer: Henkel Adhesives Technologies India Pvt. Ltd. D3/D4, MIDC, Jejuri - 412303 India. TEL : +91 2115 300017 / 18 FAX : + 91 2115 253448, Website : www.henkel.com

Emergency information: +91 2115 300017-18

Section 2. Composition / information on ingredients

General chemical description:

Anaerobic Sealant

Possible risks of product:

None if used properly.

Declaration of ingredients according to (EC) No 1907/2006:

Hazardous components CAS-No.	EINECS	content	Classification
Lauryl methacrylate 142-90-5	205-570-6	5 - 10 %	Xi - Irritant; R36/37/38
Cumene hydroperoxide 80-15-9	201-254-7	0,1 - < 1 %	T - Toxic; R23 Xn - Harmful; R21/22, R48/20/22 O - Oxidizing; R7 C - Corrosive; R34 N - Dangerous for the environment; R51, R53
Tetradecyl methacrylate 2549-53-3	219-835-9	1 - 2 %	Xi - Irritant; R36/37/38
Hexadecyl methacrylate 2495-27-4	219-672-3	1 - 2 %	Xi - Irritant; R36/37/38
Maleic acid 110-16-7	203-742-5	0,1 - 1 %	Xn - Harmful; R22 Xi - Irritant; R36/37/38 R43

Section 3. Hazards identification

Hazard classification: Xi - Irritant

Routes of entry:	Eyes Lungs Skin
Health Effects:	R43 May cause sensitisation by skin contact.
Skin:	May cause skin irritation. May cause allergic skin reaction.
Eye:	May cause irritation.
Inhalation:	May cause respiratory tract irritation.
Ingestion:	Not expected to be harmful by ingestion.

Section 4. First aid measures

Inhalation:	Move to fresh air. If symptoms develop and persist, get medical attention.
Skin contact:	If symptoms develop and persist, get medical attention. Wash with soap and water. Remove contaminated clothing and footwear. Wash clothing before reuse.
Eye contact:	Flush with copious amounts of water, preferably, lukewarm water for at least 15 minutes, holding eyelids open all the time. Get medical attention.
Ingestion:	Do not induce vomiting. Keep individual calm. Get medical attention.

Section 5. Fire fighting measures

Particular danger in case of fire:	None
Suitable extinguishing media:	Foam, dry chemical or carbon dioxide.
Special protection equipment for firefighters:	Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.
Hazardous combustion products:	Oxides of carbon. Oxides of nitrogen. Oxides of sulfur. Irritating organic vapours.

Section 6. Accidental release measures

Personal precautions:	Avoid skin and eye contact. Ensure adequate ventilation.
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). Store in a partly filled, closed container until disposal.

Section 7. Handling and storage

Handling:	Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling. Use only with adequate ventilation.
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

Ingredient	Type	ppm	mg/m ³	Remarks
Respiratory protection:				Use only in well-ventilated areas.
Hand protection:				The use of chemical resistant gloves such as Nitrile are 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. Chemical-resistant protective gloves (EN 374). Suitable materials for short-term contact or splashes (recommended: at least protection index 2, corresponding to > 30 minutes permeation time as per EN 374): nitrile rubber (NBR; >= 0.4 mm thickness) Suitable materials for longer, direct contact (recommended: protection index 6, corresponding to > 480 minutes permeation time as per EN 374): nitrile rubber (NBR; >= 0.4 mm thickness) This information is based on literature references and on information provided by glove manufacturers, or is derived by analogy with similar substances. Please note that in practice the working life of chemical-resistant protective gloves may be considerably shorter than the permeation time determined in accordance with EN 374 as a result of the many influencing factors (e.g. temperature). If signs of wear and tear are noticed then the gloves should be replaced.
Eye protection:				Wear protective glasses.
Body protection:				Wear suitable protective clothing.
Engineering controls:				No specific ventilation requirements noted, but forced ventilation may still be required if concentrations exceed occupational exposure limits.
Hygienic measures:				Wash hands before work breaks and after finishing work. Do not eat, drink or smoke while working. Good industrial hygiene practices should be observed.

Section 9. Physical and chemical properties

Appearance:	dark yellow paste
Odor:	Mild
Melting point:	Not available
Relative vapour density:	Not available
Specific gravity:	1,15 - 1,2
pH:	3,0 - 6,0
Flash point:	> 100 °C (> 212 °F)
Vapor pressure:	< 5 mm hg
Solubility:	Solvent: , Slight
VOC content	0,1 %

Section 10. Stability and reactivity

Conditions to avoid:	Stable
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Materials to avoid: Reaction with strong acids.
Reacts with strong oxidants.

Hazardous decomposition products: Irritating organic vapours.
carbon oxides.

Hazardous polymerization: Will not occur.

Section 11. Toxicological information

Acute oral product toxicity: This material is considered to have low toxicity if swallowed. LD50 (rat) > 10.000 mg/kg (Estimated)

Acute inhalation product toxicity: May cause irritation to respiratory system.

Acute dermal product toxicity: LD50 (rabbit) > 5.000 mg/kg

Skin irritation: Prolonged or repeated contact may cause skin irritation.

Eye irritation: Avoid eye contact.

Sensitizing: May cause sensitization by skin contact.

Section 12. Ecological information

General ecological information: Precautions required with respect to Environmental Hazards of articles in which this product is used should be considered.
Cured Loctite products are typical polymers and do not pose any immediate environmental hazards.

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

Mobility: Cured adhesives are immobile.

Section 13. Disposal considerations

Product

Method of disposal: Dispose of in accordance with local and national regulations.

Packaging

Disposal for uncleaned package: Disposal must be made according to official regulations.

Section 14. Transport information

General information:
Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.

Section 15. Regulations - classification and identification

Indication of danger: Xi - Irritant

Risk phrases: R43 May cause sensitisation by skin contact.

Safety phrases:	S24 Avoid contact with skin. S37 Wear suitable gloves. S51 Use only in well-ventilated areas.
Lauryl methacrylate	OECD. Program to investigate the potential hazards of high production volume chemicals (HPV), including decisions on the need for further work.
Cumene hydroperoxide	OECD. Program to investigate the potential hazards of high production volume chemicals (HPV), including decisions on the need for further work.
Tetradecyl methacrylate	OECD. Program to investigate the potential hazards of high production volume chemicals (HPV), including decisions on the need for further work.
Hexadecyl methacrylate	OECD. Program to investigate the potential hazards of high production volume chemicals (HPV), including decisions on the need for further work.
Maleic acid	OECD. Program to investigate the potential hazards of high production volume chemicals (HPV), including decisions on the need for further work.

Section 16. Other information

Issue date:	31.03.2018
Prepared by:	Sampada Bhat, Manager, Product Safety & Regulatory Affairs.
Disclaimer:	This information is based on our current level of knowledge and relates to the product in the state in which it is delivered. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties.