



# 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 270

MSDS-No. : 153492

V001.1

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

**Product name:** Loctite 270  
**Material:** 195879  
**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:

Methacrylate resin based threadlocker

### Possible risks of product:

R36/37 Irritating to eyes and respiratory system.

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

Hazardous components CAS-No.	EINECS	content	Classification
Cumene hydroperoxide 80-15-9	201-254-7	> 1 - < 3 %	T - Toxic; R23 Xn - Harmful; R21/22, R48/20/22 O - Oxidizing; R7 C - Corrosive; R34 N - Dangerous for the environment; R51, R53
Cumene 98-82-8	202-704-5	> 0,1 - 0,5 %	R10 Xn - Harmful; R65 Xi - Irritant; R37 N - Dangerous for the environment; R51, R53
N,N-dimethyl-o-toluidine 609-72-3	210-199-8	> 0,1 - < 0,5 %	R52, R53 T - Toxic; R23/24/25 R33

## Section 3. Hazards identification

**Hazard classification:** Xi - Irritant

**Routes of entry:** Skin  
Inhalation  
Eyes  
Ingestion

<b>Health Effects:</b>	R36/37 Irritating to eyes and respiratory system.
<b>Skin:</b>	Irritating to eyes and skin.
<b>Inhalation:</b>	This product is irritating to the respiratory system.
<b>Ingestion:</b>	May be harmful if swallowed.
<b>Environment effects:</b>	Not expected to cause effect to environment for intended use.
<b>Flammable or explosive danger:</b>	Considered no significant fire/explosive hazard.

#### Section 4. First aid measures

<b>Inhalation:</b>	Move to fresh air. If symptoms persist, seek medical advice.
<b>Skin contact:</b>	Rinse with running water and soap. Seek medical advice.
<b>Eye contact:</b>	Rinse immediately with plenty of running water (for 10 minutes). Seek medical attention if necessary.
<b>Ingestion:</b>	Rinse out mouth, drink 1-2 glasses of water, do not induce vomiting. Seek medical advice.

#### Section 5. Fire fighting measures

<b>Suitable extinguishing media:</b>	Carbon dioxide, foam, powder
<b>Special protection equipment for firefighters:</b>	Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.
<b>Hazardous combustion products:</b>	Oxides of carbon, oxides of nitrogen, irritating organic vapors.

#### Section 6. Accidental release measures

<b>Personal precautions:</b>	Avoid skin and eye contact.
<b>Environmental precautions:</b>	Do not let product enter drains.
<b>Clean-up methods:</b>	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

<b>Handling:</b>	Use only in well-ventilated areas. Avoid skin and eye contact. Prolonged or repeated skin contact should be avoided to minimise any risk of sensitisation.
<b>Storage:</b>	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****Components with specific control parameters for workplace:**

Ingredient	Type	ppm	mg/m <sup>3</sup>	Remarks
CUMENE 98-82-8	Recommended exposure limit (REL):	50	245	NIOSH/GUIDE
CUMENE 98-82-8	Skin designation:			NIOSH/GUIDE Can be absorbed through the skin.
CUMENE 98-82-8	Time Weighted Average (TWA):	50		ACGIH

<b>Respiratory protection:</b>	Use only in well-ventilated areas.
<b>Hand protection:</b>	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.
<b>Eye protection:</b>	Wear protective glasses.
<b>Body protection:</b>	Wear suitable protective clothing.
<b>Engineering controls:</b>	No specific ventilation requirements noted, but forced ventilation may still be required if concentrations exceed occupational exposure limits.
<b>General protection measures:</b>	Good industrial hygiene practices should be observed.

**Section 9. Physical and chemical properties**

Appearance:	green liquid
Odor:	Mild
Melting point:	Not applicable
Relative vapour density:	Not available
Specific gravity:	1,10
pH:	Not available
Boiling point:	> 149,0 °C (> 300.2 °F)
Flash point:	> 100 °C (> 212 °F)
Ignition temperature	Not available
Vapor pressure:	< 0,13 mbar
Density:	1,1000 g/cm <sup>3</sup>
Solubility:	Solvent: Water, Slight

**Section 10. Stability and reactivity**

<b>Conditions to avoid:</b>	Stable
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**Materials to avoid:**                      Reacts with strong oxidants.  
Free radical initiators.  
Acids.  
Reducing agents.

**Hazardous polymerization:**            Will not occur.

### Section 11. Toxicological information

**Acute oral product toxicity:**            May cause irritation to the digestive tract. LD50 (rat) 382,000 mg/kg

**Acute inhalation product toxicity:**    Irritating to respiratory system

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

**Eye irritation:**                             Irritating to eyes.

### Section 12. Ecological information

**General ecological information:**      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, ADNR, IMDG, IATA-DGR.

### Section 15. Regulations - classification and identification

**Indication of danger:**                    Xi - Irritant

**Risk phrases:**                              R36/37 Irritating to eyes and respiratory system.

**Safety phrases:**                            S23 Do not breathe vapour.  
S25 Avoid contact with eyes.  
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S36 Wear suitable protective clothing.  
S51 Use only in well-ventilated areas.

Cumene hydroperoxide                    OECD. Program to investigate the potential hazards of high production volume chemicals (HPV), including decisions on the need for further work.

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India. List of Hazardous Chemicals (Manufacture, Storage and Import of Hazardous Chemical Rules, Schedule I (Part II).

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**Section 16. Other information**

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**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.