



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 542

MSDS-No. : 168433

V001.1

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

Product name: Loctite 542

Material: 135484

Product category: Anaerobic

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
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 - 1 %	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 - 1 %	R52, R53 T - Toxic; R23/24/25 R33

Section 3. Hazards identification

Hazard classification: Xn - Harmful

Health Effects:

R20 Harmful by inhalation.

R36/37 Irritating to eyes and respiratory system.

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Skin:

Prolonged contact with skin, particularly damaged skin, may cause sensitization or dermatitis in sensitive individuals.

Section 4. First aid measures

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

Section 5. Fire fighting measures

- Particular danger in case of fire:** None
- Suitable extinguishing media:** Carbon dioxide, foam, powder
- 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, irritating organic vapors.

Section 6. Accidental release measures

- Personal precautions:** Avoid skin and eye contact.
Ensure adequate ventilation.
See advice in chapter 8
- 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.
Dispose of contaminated material as waste according to Chapter 13.

Section 7. Handling and storage

- Handling:** Use only in well-ventilated areas.
Prolonged or repeated skin contact should be avoided to minimise any risk of sensitisation.
- 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
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

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.
Eye protection:	Wear protective glasses.
Body protection:	Wear suitable protective clothing.
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:	brown liquid
Odor:	characteristic
Melting point:	Not available
Relative vapour density:	Not available
Specific gravity:	1,08
pH:	3 - 6
Flash point:	> 100 °C (> 212 °F)
Vapor pressure:	0,1 mm hg
Density:	1,08 g/cm ³
Solubility:	Solvent: Water, Not miscible

Section 10. Stability and reactivity

Conditions to avoid:	Stable
Materials to avoid:	Reaction with strong acids. Reacts with strong oxidants.
Hazardous decomposition products:	Irritating organic vapours. Oxides of carbon. Sulphur oxides nitrogen oxides

Section 11. Toxicological information

Acute oral product toxicity:	This material is considered to have low toxicity if swallowed.
Acute inhalation product toxicity:	Harmful by inhalation., Irritating to respiratory system
Skin irritation:	Although it is not a common sensitizer there may be a risk of sensitization on prolonged or repeated contact with damaged skin
Eye irritation:	Irritating to eyes.

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.
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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: Xn - Harmful

Risk phrases: R20 Harmful by inhalation.
R36/37 Irritating to eyes and respiratory system.
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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.
S51 Use only in well-ventilated areas.
S61 Avoid release to the environment. Refer to special instructions/Safety data sheets.

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).

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.