



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 243

MSDS-No. : 153494

V002.0

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

Product name: LOCTITE 243
Material: 92023
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:

Product based on polyethylene glycol dimethacrylate.

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

Hazardous components CAS-No.	EINECS	content	Classification
Cumene hydroperoxide 80-15-9	201-254-7	>= 0,1 - <= 10 %	T - Toxic; R23 Xn - Harmful; R21/22, R48/20/22 C - Corrosive; R34 O - Oxidizing; R7 N - Dangerous for the environment; R51/53
Maleic acid 110-16-7	203-742-5	>= 0,1 - <= 10 %	Xn - Harmful; R21/22 Xi - Irritant; R36/37/38, R43
Acetic acid, 2-phenylhydrazide 114-83-0	204-055-3	>= 0,1 - <= 10 %	Xn - Harmful; R22 Xi - Irritant; R36/37/38, R43
Cumene 98-82-8	202-704-5	>= 0,1 - <= 10 %	R10 Xn - Harmful; R65 Xi - Irritant; R37 N - Dangerous for the environment; R51/53

Section 3. Hazards identification

Hazard classification: Xi - Irritant

Routes of entry: Skin
Lungs
Eyes

Health Effects: R43 May cause sensitisation by skin contact.

Skin: May cause skin irritation.

May cause allergic skin reaction.

Eye: Contact with eyes will 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: Wash clothing before reuse.
If symptoms develop and persist, get medical attention.
Remove contaminated clothing and footwear.
Wash with soap and water.

Eye contact: Get medical attention.
Flush with copious amounts of water, preferably, lukewarm water for at least 15 minutes, holding eyelids open all the time.

Ingestion: Get medical attention.
Do not induce vomiting.
Keep individual calm.

Section 5. Fire fighting measures

Particular danger in case of fire: None

Suitable extinguishing media: If product is involved in fire extinguish with dry powder, foam 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: Irritating organic vapours.
Oxides of carbon.
Oxides of sulfur.
Oxides of nitrogen.

Section 6. Accidental release measures

Environmental precautions: Do not allow product to enter sewer or waterways.

Clean-up methods: Store in a partly filled, closed container until disposal.
Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

Section 7. Handling and storage

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

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	Time Weighted Average (TWA):	50		ACGIH
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.

- Respiratory protection:** No personal respiratory protective equipment normally required.
If ventilation is not sufficient to effectively prevent buildup of vapor/mist/fume/dust, appropriate NIOSH/MSHA respiratory protection must be provided.
- Eye protection:** Safety goggles or safety glasses with side shields.
- Body protection:** Use impermeable gloves and protective clothing as necessary to prevent skin contact.
Neoprene gloves.
Butyl rubber gloves.
Natural rubber gloves.
- Engineering controls:** Ensure adequate ventilation.
Use general ventilation and use local exhaust, where possible, in confined or enclosed spaces.
- General protection measures:** Good industrial hygiene practices should be observed.

Section 9. Physical and chemical properties

Relative vapour density:	Not available.
Specific gravity:	1,08
Auto ignition:	Not available.
pH:	Not applicable 6,5 - 8,5
Flash point:	> 93 °C (> 199,4 °F)
Vapor pressure:	0,133 mbar
Density:	1,08 g/cm ³
VOC content	0,73 %

Section 10. Stability and reactivity

- Conditions to avoid:** See "Handling and Storage" (Section 7) and "Incompatibility" (Section 10).
- Materials to avoid:** Strong alkalis.
Reducing agents.
Oxygen scavengers.
Oxidizing agents.
Other polymerization initiators.
Strong oxidizing agents.
- Hazardous decomposition products:** Oxides of sulfur.
Oxides of nitrogen.
Irritating organic vapours.
Oxides of carbon.
- Hazardous polymerization:** Will not occur.

Section 11. Toxicological information

- General toxicological information:** No laboratory animal data available.

Section 12. Ecological information

General ecological information: Do not empty into drains / surface water / ground water.

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.

Cumene hydroperoxide	OECD. Program to investigate the potential hazards of high production volume chemicals (HPV), including decisions on the need for further work.
Maleic acid	American Cleaning Institute (ACI) Cleaning Product Ingredient Inventory
Cumene	IBC Code. International Bulk Chemical Code, Chapter 17, Minimum Requirements IBC Code. International Bulk Chemical Code, Chapter 17, Minimum Requirements IBC Code. International Bulk Chemical Code, Chapter 17, Minimum Requirements IBC Code. International Bulk Chemical Code, Chapter 17, Minimum Requirements IBC Code. International Bulk Chemical Code, Chapter 17, Minimum Requirements IBC Code. International Bulk Chemical Code, Chapter 17, Minimum Requirements India. List of Hazardous Chemicals (Manufacture, Storage and Import of Hazardous Chemical Rules, Schedule I (Part II)). 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

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Prepared by: Sampada Bhat, Manager, Product Safety & Regulatory Affairs, Asia Pacific, India.

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.