



## 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 641 RETAINER known as Loctite 641 Retaining - 50ml

MSDS-No. : 153498

V001.1

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

**Product name:** LOCTITE 641 RETAINER known as Loctite 641 Retaining - 50ml

**Material:** 848752

**Product category:** Adhesive

#### 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

#### 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:** Xn - Harmful

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

**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:** May cause allergic skin reaction.  
May cause irritation due to defatting of the skin.  
Repeated or prolonged contact can result in drying of skin.

<b>Eye:</b>	May cause irritation.
<b>Inhalation:</b>	May cause irritation to nose and throat. May cause respiratory tract irritation.
<b>Ingestion:</b>	May cause irritation to the gastrointestinal tract, mouth and mucous membranes.

#### Section 4. First aid measures

<b>Inhalation:</b>	Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. If symptoms develop and persist, get medical attention.
<b>Skin contact:</b>	Immediately flush skin with plenty of water (using soap, if available). If symptoms develop and persist, get medical attention.
<b>Eye contact:</b>	Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.
<b>Ingestion:</b>	Do not induce vomiting. Keep individual calm. Get medical attention.

#### Section 5. Fire fighting measures

<b>Particular danger in case of fire:</b>	None
<b>Suitable extinguishing media:</b>	Foam, dry chemical or carbon dioxide.
<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. Irritating organic vapours.

#### Section 6. Accidental release measures

<b>Personal precautions:</b>	Avoid skin and eye contact.
<b>Environmental precautions:</b>	Do not allow product to enter sewer or waterways.
<b>Clean-up methods:</b>	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

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

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

- Respiratory protection:** Use only in well-ventilated areas.
- Hand protection:** Avoid skin-contact.  
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:** Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits.
- General protection measures:** Good industrial hygiene practices should be observed.

**Section 9. Physical and chemical properties**

Appearance:	yellow liquid
Odor:	characteristic
Melting point:	Not available
Relative vapour density:	Not available
Specific gravity:	1,08
Auto ignition:	Not available
pH:	Not available
Boiling point:	> 149 °C (> 300.2 °F)
Flash point:	> 93,3 °C (> 199.94 °F)
Vapor pressure:	< 5 mm hg
Density:	1,08 g/cm <sup>3</sup>
Solubility:	Solvent: Water, Slight
VOC content	10,4 % EPA Method 24

**Section 10. Stability and reactivity**

- Conditions to avoid:** Stable

<b>Materials to avoid:</b>	Free radical initiators. Oxidizing agents. Reducing agents. Metal oxides. Acids. Alkalis.
<b>Hazardous decomposition products:</b>	carbon oxides.  May produce fumes when heated to decomposition. Fumes may contain carbon monoxide and other toxic fumes.
<b>Hazardous polymerization:</b>	Will not occur.

### Section 11. Toxicological information

<b>Acute oral product toxicity:</b>	May cause irritation to the digestive tract. LD50 (rat) > 5.000 mg/kg (Estimated)
<b>Acute inhalation product toxicity:</b>	Harmful by inhalation., Irritating to respiratory system
<b>Acute dermal product toxicity:</b>	LD50 (rabbit) > 2.000 mg/kg (Estimated)
<b>Skin irritation:</b>	Prolonged or repeated contact may cause skin irritation.
<b>Eye irritation:</b>	Irritating to eyes.

### Section 12. Ecological information

<b>General ecological information:</b>	Do not empty into drains / surface water / ground water. Harmful to aquatic organisms. May cause long-term adverse effects in the aquatic environment.
<b>Mobility:</b>	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

<b>Indication of danger:</b>	Xn - Harmful
<b>Risk phrases:</b>	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.

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<b>Safety phrases:</b>	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.
Cumene	OECD. Program to investigate the potential hazards of high production volume chemicals (HPV), including decisions on the need for further work. OECD. Program to investigate the potential hazards of high production volume chemicals (HPV), including decisions on the need for further work. India. List of Hazardous Chemicals (Manufacture, Storage and Import of Hazardous Chemical Rules, Schedule I (Part II).

#### Section 16. Other information

<b>Issue date:</b>	28.07.2016
<b>Prepared by:</b>	Sampada Bhat, Manager, Product Safety & Regulatory Affairs.
<b>Disclaimer:</b>	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.