



## Safety Data Sheet according to (EC) No 1907/2006 - ISO 11014-1

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LOCTITE® 272 THREADLOCKER

sds no. : 153465

V003.0

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

**Trade name:**

LOCTITE® 272 THREADLOCKER

**Intended use:**

Anaerobic Adhesive

**Company name:**

Henkel Ireland Limited  
Product Safety & Regulatory Affairs  
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**Emergency information:**

24 Hours Emergency Tel: +44 (0)1442 278497

### 2. Hazards identification

R37/38 Irritating to respiratory system and skin.

R41 Risk of serious damage to eyes.

R43 May cause sensitisation by skin contact.

Product contains N,N-(m-phenylene)dimaldimide which is very toxic by inhalation. In this product, it is present in the wetted form and does not pose an inhalation hazard.

### 3. Composition / information on ingredients

**General chemical description:**

Methacrylate resin based threadlocker

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

| Hazardous components<br>CAS-No.          | EINECS<br>ELINCS | content          | Classification  |
|--|------------------|------------------|---|
| N,N-(m-phenylene)dimalimide<br>3006-93-7 | 221-112-8        | > 10 - < 20 %    | T+ - Very toxic; R26<br>Xi - Irritant; R38<br>Xi - Irritant; R41<br>Xi - Irritant; R43  |
| Hydroxypropyl methacrylate<br>27813-02-1 | 248-666-3        | > 1 - < 3 %      | Xi - Irritant; R36, R43   |
| Cumene hydroperoxide<br>80-15-9          | 201-254-7        | > 1 - < 3 %      | T - Toxic; R23<br>Xn - Harmful; R21/22, R48/20/22<br>O - Oxidizing; R7<br>C - Corrosive; R34<br>N - Dangerous for the environment; R51, R53 |
| Cumene<br>98-82-8                        | 202-704-5        | > 0,1 - < 0,5 %  | R10<br>Xn - Harmful; R65<br>Xi - Irritant; R37<br>N - Dangerous for the environment; R51, R53   |
| N,N-dimethyl-o-toluidine<br>609-72-3     | 210-199-8        | > 0,1 - < 10,5 % | R52, R53<br>T - Toxic; R23/24/25<br>R33   |
| Maleic acid<br>110-16-7                  | 203-742-5        | > 0,1 - < 0,5 %  | Xn - Harmful; R22<br>Xi - Irritant; R36/37/38<br>R43  |

For full text of the R-Phrases indicated by codes see section 16 'Other Information'.

Substances without classification may have community workplace exposure limits available.

#### 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.

#### 5. Fire fighting measures

**Combustion behaviour:**

Non flammable product (flash point is greater than 100°C (CC))

**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:**

Trace amounts of toxic and/or irritating fumes may be released and the use of breathing apparatus is recommended.

#### 6. Accidental release measures

**Personal precautions:**

Avoid skin and eye contact.

**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.

**7. Handling and storage****Handling:**

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.

**Storage:**

Store in original containers at 8-21C (46.4-69.8F) and do not return residual materials to containers as contamination may reduce the shelf life of the bulk product.

**8. Exposure controls / personal protection****Components with specific control parameters for workplace:**

Valid for  
Great Britain  
Basis  
UK EH40 WELs

| Ingredient        | ppm | mg/m3 | Type                              | Category                          | Remarks  |
|-------------------|-----|-------|-----------------------------------|-----------------------------------|----------|
| CUMENE<br>98-82-8 | 25  | 125   | Time Weighted Average (TWA).      |                                   | EH40 WEL |
| CUMENE<br>98-82-8 | 50  | 250   | Short Term Exposure Limit (STEL): |                                   | EH40 WEL |
| CUMENE<br>98-82-8 |     |       | Skin designation:                 | Can be absorbed through the skin. | EH40 WEL |
| CUMENE<br>98-82-8 |     |       | Skin designation:                 | Can be absorbed through the skin. | ECLTV    |
| CUMENE<br>98-82-8 | 50  | 250   | Short Term Exposure Limit (STEL): | Indicative                        | ECLTV    |
| CUMENE<br>98-82-8 | 20  | 100   | Time Weighted Average (TWA).      | Indicative                        | ECLTV    |

**Respiratory protection:**

Use only in well-ventilated areas.

**Hand protection:**

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 (IIR;  $\geq$  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 (IIR;  $\geq$  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.

**Skin protection:**

Wear suitable protective clothing.

**General protection and hygiene measures:**

Good industrial hygiene practices should be observed.

**9. Physical and chemical properties****General characteristics:**

Appearance liquid  
Orange-red  
Odor: Characteristic

**Phys./chem. properties:**

pH-value 3 - 6  
( )  
Boiling point Not determined  
Flash point > 93,3 °C (> 199.94 °F)  
Vapor pressure < 0,13 mbar  
(25 °C (77 °F))  
Solubility (qualitative) Slight  
(Solvent: Water)  
Solubility (qualitative) Partially miscible  
(Solvent: Acetone)  
VOC content < 3 %  
(1999/13/EC)

**10. Stability and reactivity****Conditions to avoid:**

Stable under normal conditions of storage and use.  
No decomposition if stored and applied as directed.

**11. Toxicological information****Oral toxicity:**

May cause irritation to the digestive tract.

**Inhalative toxicity:**

Irritating to respiratory system

**Skin irritation:**

It is irritating and sensitising to the skin

**Eye irritation:**

The product may cause serious eye damage.  
Avoid eye contact.

**12. Ecological information****Ecotoxicity:**

| Hazardous components<br>CAS-No.      | Species                                     | Exposure<br>time | Value<br>type | Value    |
|--------------------------------------|---|------------------|---------------|----------|
| Cumene hydroperoxide<br>80-15-9      | Ide, silver or golden orfe (Leuciscus idus) | 48 h             | LC 50         | 14 mg/l  |
| Cumene hydroperoxide<br>80-15-9      | Water flea (Daphnia magna)                  | 24 h             | EC 50         | 7 mg/l   |
| Cumene<br>98-82-8                    | Trout family (Salmonidae)                   | 96 h             | LC 50         | 4,8 mg/l |
| N,N-dimethyl-o-toluidine<br>609-72-3 | Fathead minnow (Pimephales promelas)        | 96 h             | LC 50         | 46 mg/l  |

**General ecological information:**

Do not empty into drains / surface water / ground water.  
Biodegradable product of low ecotoxicity.  
Cured Loctite products are typical polymers and do not pose any immediate environmental hazards.  
Biological and Chemical Oxygen Demands (BOD and COD) are insignificant.

### 13. Disposal considerations

**Product disposal:**

Dispose of in accordance with local and national regulations.  
Contribution of this product to waste is very insignificant in comparison to article in which it is used

**Waste code(EWC ):**

08 04 09 waste adhesives and sealants containing organic solvents and other dangerous substances

**Disposal of uncleaned packages:**

After use, tubes, cartons and bottles containing residual product should be disposed of as chemically contaminated waste in an authorised legal land fill site or incinerated.  
Disposal must be made according to official regulations.

### 14. Transport information

**General information:**

Not hazardous according to RID, ADR, ADNR, IMDG, IATA-DGR.

### 15. Regulations - classification and identification

**Indication of danger:**

Xi - Irritant



**Contains**

N,N-(m-phenylene)dimalimide,  
Hydroxypropyl methacrylate,  
Maleic acid

**Risk phrases:**

R37/38 Irritating to respiratory system and skin.  
R41 Risk of serious damage to eyes.  
R43 May cause sensitisation by skin contact.

**Safety phrases:**

S24/25 Avoid contact with skin and eyes.  
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S28 After contact with skin, wash immediately with plenty of water and soap.  
S37/39 Wear suitable gloves and eye/face protection.  
S51 Use only in well-ventilated areas.

## 16. Other information

The labelling of the product is indicated in Section 15. The full text of the R-phrases indicated by codes in this safety data sheet are as follows:

- R10 Flammable.
- R21/22 Harmful in contact with skin and if swallowed.
- R22 Harmful if swallowed.
- R23 Toxic by inhalation.
- R23/24/25 Toxic by inhalation, in contact with skin and if swallowed.
- R26 Very toxic by inhalation.
- R33 Danger of cumulative effects.
- R34 Causes burns.
- R36 Irritating to eyes.
- R36/37/38 Irritating to eyes, respiratory system and skin.
- R37 Irritating to respiratory system.
- R38 Irritating to skin.
- R41 Risk of serious damage to eyes.
- R43 May cause sensitisation by skin contact.
- R48/20/22 Harmful: danger of serious damage to health by prolonged exposure through inhalation and if swallowed.
- R51 Toxic to aquatic organisms.
- R52 Harmful to aquatic organisms.
- R53 May cause long-term adverse effects in the aquatic environment.
- R65 Harmful: may cause lung damage if swallowed.
- R7 May cause fire.

### Further information:

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.

This safety data sheet was prepared in accordance with Council Directive 67/548/EEC and its subsequent amendments, and Commission Directive 1999/45/EC.