



Technologies

Page 1 of 6

LOCTITE 272 THREADLOCKER

MSDS-No. : 153465
V001.4
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1. Identification of the substance/preparation and of the company/undertaking

Trade name:

LOCTITE 272 THREADLOCKER

Intended use:

Anaerobic

Intended use:

Threadlocker

Company name:

Henkel Limited
Technologies House
Wood Lane End
HP2 4RQ Hemel Hempstead

Great Britain

Phone: +44 (0)1442 278000

Fax-no.: +44 (0)1442 278071

Emergency information:

+353-1-4599301/+353-87-2629625/+353-1-4046444

2. Composition / information on ingredients

General chemical description:

Methacrylate resin based threadlocker

Declaration of ingredients according to 91/155/EC:

| Hazardous components CAS-No. | EINECS | content | Classification |
|---|-----------|-----------|---|
| Bisphenol A -methacrylateoethyl ether 24448-20-2 | 246-263-7 | 70 - 80 % | Xi - Irritant; R36/37/38 |
| N,N-(m-phenylene)dimalimide 3006-93-7 | 221-112-8 | 10 - 20 % | T+ - Very toxic; R26 Xi - Irritant; R38 Xi - Irritant; R41 Xi - Irritant; R43 |
| Hydroxypropyl methacrylate 27813-02-1 | 248-666-3 | 1 - 3 % | Xi - Irritant; R36, R43 |
| Cumene hydroperoxide 80-15-9 | 201-254-7 | 1 - 3 % | O - Oxidizing; R7 T - Toxic; R23 Xn - Harmful; R21/22, R48/20/22 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 % | T - Toxic; R23/24/25 R33 R52, R53 |

3. Hazards identification

R37/38 Irritating to respiratory system and skin.

R41 Risk of serious damage to eyes.

R43 May cause sensitization by skin contact.

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

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 8-21°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.

8. Exposure controls / personal protection

Components with specific control parameters for workplace:

Valid for

Great Britain

Basis

UK EH40 WELs

| Ingredient | ppm | mg/m ³ | Type | Category | Remarks |
|-------------------|-----|-------------------|-----------------------------------|-----------------------------------|---------------|
| cumene 98-82-8 | 20 | 100 | Time Weighted Average (TWA). | | EU-2000/39/EC |
| | 50 | 250 | Short Term Exposure Limit (STEL): | | EU-2000/39/EC |
| | | | Skin designation. | Can be absorbed through the skin. | EU-2000/39/EC |
| | 25 | 125 | Time Weighted Average (TWA). | | EH40 WEL |
| | 50 | 250 | Short Term Exposure Limit (STEL): | | EH40 WEL |
| | | | Skin designation. | Can be absorbed through the skin. | EH40 WEL |

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.

General protection and hygiene measures:

Good industrial hygiene practices should be observed

9. Physical and chemical properties

| | |
|--|------------------------------|
| Appearance | liquid |
| Odor: | orange-red characteristic |
| pH-value () | 3 - 6 |
| Boiling point | Not determined |
| Flash point | > 93,3 °C (> 199,9 °F) |
| Vapor pressure (25 °C (77 °F)) | < 0,13 mbar |
| Solubility (qualitative) (Solvent: Water) | Slight |
| Solubility (qualitative) (Solvent: Acetone) | partially miscible |

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

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 methods:**

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

Packaging**Disposal methods:**

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

Risk phrases:

R37/38 Irritating to respiratory system and skin.
R41 Risk of serious damage to eyes.
R43 May cause sensitization 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.
S37/39 Wear suitable gloves and eye/face protection.
S51 Use only in well-ventilated areas.

16. Other information

Full text of the R-phrases indicated by codes in this safety data sheet. The labeling of the product is indicated in Section 15.

R10 Flammable.

R21/22 Harmful in contact with skin and 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 sensitization 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.