



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

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290 THREADLOCKER

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**CP0744 v2.3 RS 496-158, 408-4119, 408-4125**

**RS REACH revision date 01/06/10**

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

**Trade name:**

290 THREADLOCKER

**Intended use:**

Anaerobic

**Company name:**

Henkel Limited  
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### 2. Hazards identification

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

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.

### 3. Composition / information on ingredients

**General chemical description:**

Anaerobic Sealant

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

| Hazardous components<br>CAS-No.      | EINECS<br>ELINCS | content         | Classification  |
|--------------------------------------|------------------|-----------------|---|
| 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 - < 0,5 % | R52, R53<br>T - Toxic; R23/24/25<br>R33   |

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

**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.

#### 6. Accidental release measures

**Personal precautions:**

Avoid skin and eye contact.  
Ensure adequate ventilation.

**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.

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/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. | ECTLV    |
| CUMENE<br>98-82-8 | 50  | 250   | Short Term Exposure Limit (STEL): | Indicative                        | ECTLV    |
| CUMENE<br>98-82-8 | 20  | 100   | Time Weighted Average (TWA).      | Indicative                        | ECTLV    |

**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 &gt; 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 &gt; 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 |
|            | Green  |
| Odor:      | Mild   |

**Phys./chem. properties:**

|                          |                         |
|--------------------------|-------------------------|
| pH-value                 | not applicable          |
| Boiling point            | > 150 °C (> 302 °F)     |
| Flash point              | > 93,3 °C (> 199.94 °F) |
| Vapor pressure           | < 5 mm hg               |
| (27 °C (80.6 °F))        |                         |
| Density                  | 1,07 g/cm <sup>3</sup>  |
| ()                       |                         |
| Solubility (qualitative) | Slight                  |
| (Solvent: Water)         |                         |
| Solubility (qualitative) | Miscible                |
| (Solvent: Acetone)       |                         |
| Evaporation rate:        | Not available           |
| Vapor density:           | Not available           |
| VOC content              | < 3 %                   |
| (1999/13/EC)             |                         |

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

Stable under normal conditions of storage and use.

**Materials to avoid:**

Reaction with strong acids.  
Reacts with strong oxidants.

**Hazardous decomposition products:**

Irritating organic vapours.

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

This material is considered to have low toxicity if swallowed.

**Inhalative 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.

**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)<br>Water flea (Daphnia magna) | 48 h<br>24 h | LC 50<br>EC 50 | 14 mg/l<br>7 mg/l |
| Cumene hydroperoxide<br>80-15-9      |   |              |                |                   |
| 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:**

Cured Loctite products are typical polymers and do not pose any immediate environmental hazards.

Do not empty into drains / surface water / ground water.

**Other remarks:**

Do not empty into drains, soil or bodies of water.

### 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( ):**

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.

### 14. Transport information

**General information:**

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

### 15. Regulations - classification and identification

**Indication of danger:**

Xn - Harmful

**Contains**

Cumene hydroperoxide

**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.

**Additional information:****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.
- R23 Toxic by inhalation.
- R23/24/25 Toxic by inhalation, in contact with skin and if swallowed.
- R33 Danger of cumulative effects.
- R34 Causes burns.
- R37 Irritating to respiratory system.
- 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.