



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

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Loctite 248

SDS no. : 153639

V001.4

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

**Trade name:**

Loctite 248

**Intended use:**

Anaerobic

**Company name:**

Henkel AG & Co. KGaA

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40191 Düsseldorf

Germany

Phone: +49 (211) 797-0

**E-mail address of person responsible for Safety Data Sheet:**

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**Emergency information:**

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### 2. Hazards identification

R36/37 Irritating to eyes and respiratory system.

### 3. Composition / information on ingredients

**General chemical description:**

Methacrylate resin based threadlocker

**Declaration of ingredients according to EC/1907/2006:**

Hazardous components CAS-No.	EINECS ELINCS	content	Classification
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
Ethandiol 107-21-1	203-473-3	1 - 3 %	Xn - Harmful; R22

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:**

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:**

Waste disposal with the approval of the responsible local authority.

#### 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

Occupational Exposure Limits

Ingredient	ppm	mg/m <sup>3</sup>	Type	Category	Remarks
CUMENE 98-82-8	20	100	Time Weighted Average (TWA).		EU-2000/39/EC
CUMENE 98-82-8	50	250	Short Term Exposure Limit (STEL):		EU-2000/39/EC
CUMENE 98-82-8			Skin designation.	Can be absorbed through the skin.	EU-2000/39/EC
CUMENE 98-82-8	25	125	Time Weighted Average (TWA).		EH40 WEL
CUMENE 98-82-8	50	250	Short Term Exposure Limit (STEL):		EH40 WEL
CUMENE 98-82-8			Skin designation.	Can be absorbed through the skin.	EH40 WEL
ETHYLENE GLYCOL 107-21-1	20	52	Time Weighted Average (TWA).		EU-2000/39/EC
ETHYLENE GLYCOL 107-21-1	40	104	Short Term Exposure Limit (STEL):		EU-2000/39/EC
ETHYLENE GLYCOL 107-21-1			Skin designation.	Can be absorbed through the skin.	EU-2000/39/EC
ETHANE-1,2-DIOL, PARTICULATE 107-21-1		10	Time Weighted Average (TWA).		EH40 WEL
ETHANE-1,2-DIOL, VAPOUR 107-21-1	20	52	Time Weighted Average (TWA).		EH40 WEL
ETHANE-1,2-DIOL, VAPOUR 107-21-1	40	104	Short Term Exposure Limit (STEL):		EH40 WEL
ETHANE-1,2-DIOL, PARTICULATE 107-21-1			Skin designation.	Can be absorbed through the skin.	EH40 WEL
ETHANE-1,2-DIOL, VAPOUR 107-21-1			Skin designation.	Can be absorbed through the skin.	EH40 WEL
ETHANE-1,2-DIOL, VAPOUR 107-21-1				Listed.	EH40 WEL
ETHANE-1,2-DIOL, PARTICULATE 107-21-1				Listed.	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.

### 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	solid material
Odor:	blue characteristic

### Phys./chem. properties:

pH-value	not applicable
Boiling point	> 150,0 °C (> 302 °F)
Flash point	> 93,0 °C (> 199.4 °F)
Vapor pressure (25,0 °C (77 °F))	< 6,66 mbar
Density ( $\rho$ )	1,1000 g/cm <sup>3</sup>
Solubility (qualitative) (Solvent: Water)	Slight
Solubility (qualitative) (Solvent: Acetone)	Not determined
VOC content (1999/13/EC)	< 3 %

## 10. Stability and reactivity

### Conditions to avoid:

Stable under normal conditions of storage and use.

### Materials to avoid:

Strong oxidizing agent.  
Free radical initiators.

## 11. Toxicological information

### Oral toxicity:

May cause irritation to the digestive tract.

### Inhalative toxicity:

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

### General ecological information:

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

In the cured state contribution of this product to Environmental Hazards is insignificant in comparison to articles in which it is used.

## 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



**Risk phrases:**

R36/37 Irritating to eyes and respiratory system.

**Safety phrases:**

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.

## 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.
- 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.
- 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.