



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

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Loctite 222

SDS no. : 168430

V001.4

Revision: 31.01.2008

printing date: 12.02.2008

RS REACH MSDS Date 01/02/08

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

**Trade name:**

Loctite 222

**Intended use:**

Anaerobic

**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

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

ua-productsafety.uk@uk.henkel.com

**Emergency information:**

24 Hours Emergency Tel: +44(0)8701906777

Supplied by:

**RS Components Ltd,**  
Birchington Road, Corby, Northants, NN17 9RS.  
Tel: +44 (0) 1536 402888 (8am to 8pm)  
Email: technical.help@rs-components.com

### 2. Hazards identification

R36/37 Irritating to eyes and respiratory system.

### 3. Composition / information on ingredients

**General chemical description:**

Product based on polyethylene glycol dimethacrylate.

**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

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:**

Should not be a problem as product is of low volatility. However, if feeling unwell remove patient to fresh air.

**Skin contact:**

Wash skin with water

In case of adverse health effects seek medical advice.

**Eye contact:**

Flush eyes with plenty of water for at least 5 minutes. If irritation persists seek medical attention.

**Ingestion:**

Rinse out mouth, drink 1-2 glasses of water, do not induce vomiting.

In case of adverse health effects seek medical advice.

#### 5. Fire fighting measures

**Combustion behaviour:**

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

**Suitable extinguishing media:**

foam, extinguishing powder, carbon dioxide

**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:**

Ensure adequate ventilation.

**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.

Gloves and safety glasses should be worn

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 <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

**Respiratory protection:**

Use only in well-ventilated areas.

**Hand protection:**

In circumstances where there is a potential for prolonged or repeated skin contact, the use of polyvinyl chloride or nitrile rubber gauntlets or equivalent solvent resistant gloves is recommended.

**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

purple

Odor:

characteristic

**Phys./chem. properties:**

pH-value

3,00 - 6,00

()

Boiling point

&gt; 150 °C (&gt; 302 °F)

Flash point

&gt; 93,3 °C (&gt; 199.94 °F)

Vapor pressure

&lt; 0,1300000 mbar

(25 °C (77 °F))

Density

1,08 g/cm<sup>3</sup>

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Solubility (qualitative)

Slight

(Solvent: Water)

Solubility (qualitative)

miscible

(Solvent: Acetone)

VOC content

&lt; 3 %

(1999/13/EC)

## 10. Stability and reactivity

**Conditions to avoid:**

Stable under normal conditions of storage and use.

**Materials to avoid:**

Peroxides.

## 11. Toxicological information

**Oral toxicity:**

This material is considered to have low toxicity if swallowed.  
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

**Mobility:**

Cured adhesives are immobile.

**General ecological information:**

Do not empty into drains / surface water / ground 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(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, ADN, 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:

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.

## 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.

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.