



Technologies

Page 1 of 5

Loctite 222

MSDS-No. : 168430
V001.2

Revision: 06.02.2007

printing date: 22.02.2007

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

Trade name:
Loctite 222

Intended use:
Anaerobic

Company name:
Henkel KGaA
Standort Heidelberg
69112 Heidelberg

Germany

Phone: +49 (6221) 7040
Fax-no.: +49 (6221) 705242



Emergency information:
+353-1-4599301/+353-87-2629625/+353-1-4046444
+353-1-4599301/+353-87-2629625/+353-1-4046444

2. Composition / information on ingredients

General chemical description:
Anaerobic Sealant

Declaration of ingredients according to 91/155/EC:

Hazardous components CAS-No.	EINECS	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

3. Hazards identification

R36/37 Irritating to eyes and respiratory system.

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 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:

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.

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:	purple characteristic
pH-value ()	3,00 - 6,00
Boiling point	> 150 °C (> 302 °F)
Flash point	> 93,3 °C (> 199,9 °F)
Vapor pressure (25 °C (77 °F))	< 0,1300000 mbar
Density ()	1,08 g/cm ³
Solubility (qualitative) (Solvent: water)	Slight
Solubility (qualitative) (Solvent: Acetone)	miscible

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 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



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

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.

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.