

Loctite 270

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

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SDS no.: 153492

V001.2 Revision: 07.06.2007

printing date: 29.01.2008

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

#### Trade name:

Loctite 270

# **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

# **Emergency information:**

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

# 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 EG/1907/2006:

Hazardous components CAS-No.	EINECS ELINCS	content	Classification	
Cumene hydroperoxide	201-254-7	1 - 3 %	O - Oxidizing; R7	
80-15-9			T - Toxic; R23	
			Xn - Harmful; R21/22, R48/20/22	
			C - Corrosive; R34	
			N - Dangerous for the environment; R51, R53	
Cumene	Cumene 202-704-5 0,1 - 1 %		R10	
98-82-8			Xn - Harmful; R65	
			Xi - Irritant; R37	
			N - Dangerous for the environment; R51, R53	
N,N-dimethyl-o-toluidine	210-199-8	0,1 - 1 %	T - Toxic; R23/24/25	
609-72-3			R33	
			R52, 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.

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# 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.

#### Ingestions

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.

#### **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.

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# 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
	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

General characteristics:

Appearance liquid green

Odor: mild

Phys./chem. properties:

Boiling point > 149,0 °C (> 300,2 °F) Flash point > 93,0 °C (> 199,4 °F)

Vapor pressure < 0,13 mbar

(25 °C (77 °F))

Density 1,1000 g/cm3

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Solubility (qualitative) Slight (Solvent: Water)

(Solvent: Water)

Solubility (qualitative) miscible
(Solvent: Acetone)

# 10. Stability and reactivity

# Conditions to avoid:

Stable

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## Materials to avoid:

Reacts with strong oxidants. Free radical initiators.

Acids.

Reducing agents.

# 11. Toxicological information

#### Oral toxicity:

May cause irritation to the digestive tract.

## Inhalative toxicity:

Irritating to respiratory system

#### **Skin irritation:**

Prolonged or repeated contact may cause skin irritation.

#### 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, ADNR, IMDG, IATA-DGR.

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# 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.
- S36 Wear suitable protective clothing.
- 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.
- 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 it's subsequent amendments, and Commission Directive 1999/45/EC.