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

Loctite 275

sds no. : 173044
V001.4
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1. Identification of the substance/preparation and of the company/undertaking

Trade name:
Loctite 275

Intended use:
Adhesive

Company name:
Henkel Ireland Limited
Product Safety & Regulatory Affairs
Tallaght Business Park, Whitestown
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Ireland

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Emergency information:
24 Hours Emergency Tel: +44(0)8701906777

2. Hazards identification

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:
Methacrylate resin based threadlocker

Declaration of ingredients according to (EC) No 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 N - Dangerous for the environment; R51, R53 Xn - Harmful; R21/22, R48/20/22 C - Corrosive; R34
Cumene 98-82-8	202-704-5	> 0,1 - < 1 %	Xn - Harmful; R65 Xi - Irritant; R37 R10 N - Dangerous for the environment; R51, R53
N,N-dimethyl-o-toluidine 609-72-3	210-199-8	> 0,1 - < 1 %	T - Toxic; R23/24/25 R52, R53 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

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:
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 8-21C (46.4-69.8F) 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 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
CUMENE 98-82-8			Skin designation:	Can be absorbed through the skin.	ECTLV
CUMENE 98-82-8	20	100	Time Weighted Average (TWA).		ECTLV
CUMENE 98-82-8	50	250	Short Term Exposure Limit (STEL):		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 > 30 minutes permeation time as per EN 374):
nitrile rubber (IIR; >= 0.4 mm thickness)
Suitable materials for longer, direct contact (recommended: protection index 6, corresponding to > 480 minutes permeation time as per EN 374):
nitrile rubber (IIR; >= 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

Phys./chem. properties:

pH-value ()	3,00 - 6,00
Boiling point	> 200,0 °C (> 392 °F)
Flash point	> 100 °C (> 212 °F)
Vapor pressure (25,0 °C (77 °F))	< 0,1300000 mbar
Density ()	1,0800 g/cm3
Solubility (qualitative) (Solvent: Water)	Not miscible
Solubility (qualitative) (Solvent: Acetone)	Miscible

VOC content (1999/13/EC) < 3,00 %

10. Stability and reactivity

Conditions to avoid:
Stable under normal conditions of storage and use.
No decomposition if stored and applied as directed.

Materials to avoid:
Peroxides.
Reaction with strong bases
Reaction with strong acids.
Reaction with strong oxidants.

11. Toxicological information

Oral toxicity:
May cause irritation to the digestive tract.
This material is considered to have low toxicity if swallowed.

Inhalative toxicity:
Harmful by inhalation.
Irritating to respiratory system

Skin irritation:
This product is considered to have low dermal toxicity.
Prolonged or repeated contact may cause skin irritation.

Eye irritation:
Irritating to eyes.

12. Ecological information

Ecotoxicity:
Harmful to aquatic organisms.
May cause long-term adverse effects in the aquatic environment.

Mobility:
Cured adhesives are immobile.

Bioaccumulative potential:
Does not bioaccumulate.

Ecotoxicity:

Hazardous components CAS-No.	Species	Exposure time	Value type	Value
Cumene hydroperoxide 80-15-9 Cumene hydroperoxide 80-15-9	Ide, silver or golden orfe (Leuciscus idus) Water flea (Daphnia magna)	48 h 24 h	LC 50 EC 50	14 mg/l 7 mg/l
Cumene 98-82-8	Trout family (Salmonidae)	96 h	LC 50	4,8 mg/l
N,N-dimethyl-o-toluidine 609-72-3	Fathead minnow (Pimephales promelas)	96 h	LC 50	46 mg/l

General ecological information:
Harmful to aquatic organisms.
May cause long-term adverse effects in the aquatic environment.
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.

14. Transport information

General information:
Not hazardous according to RID, ADR, ADNR, 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 labeling:
For consumer use only: S2 Keep out of the reach of children
S46 If swallowed, seek medical advice immediately and show this container or label.

16. Other information

The labelling of the product is indicated in Section 15. The full text of the R-phrases indicted 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 it's subsequent amendments, and Commission Directive 1999/45/EC.