



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

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Loctite 574

sds no. : 153497
V003.0

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

Trade name:
Loctite 574

Intended use:
Anaerobic

Company name:
Henkel Ireland Limited
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2. Hazards identification

Repeated or prolonged skin contact may cause skin irritation and/or dermatitis and sensitisation of susceptible persons.
R36 Irritating to eyes.
R43 May cause sensitisation by skin contact.
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

3. Composition / information on ingredients

Declaration of ingredients according to (EC) No 1907/2006:

Hazardous components CAS-No.	EINECS ELINCS	content	Classification
Decan-1-ol 112-30-1	203-956-9	5 - 10 %	Xi - Irritant; R36/38 N - Dangerous for the environment; R51/53
Cumene hydroperoxide 80-15-9	201-254-7	0,1 - 1 %	T - Toxic; R23 Xn - Harmful; R21/22, R48/20/22 O - Oxidizing; R7 C - Corrosive; R34 N - Dangerous for the environment; R51, R53
Maleic acid 110-16-7	203-742-5	0,1 - 1 %	Xn - Harmful; R22 Xi - Irritant; R36/37/38 R43

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:

Oxides of carbon, oxides of nitrogen, irritating organic vapors.

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:

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.

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

General characteristics:

Appearance	Paste orange
Odor:	Mild

Phys./chem. properties:

pH-value	not applicable
Boiling point	> 150 °C (> 302 °F)
Flash point	> 100 °C (> 212 °F)
Vapor pressure (27,0 °C (80,6 °F))	6,6700000 mbar
Density ()	1,15 g/cm ³
Solubility (qualitative) (Solvent: Water)	Slight
Evaporation rate:	Not applicable
Ignition temperature	Not available
VOC content (1999/13/EC)	< 5 % (As defined in the Council Directive 2004/42/EC)

10. Stability and reactivity

Conditions to avoid:

Stable

Materials to avoid:

Reaction with strong acids.
Reacts with strong oxidants.

Hazardous decomposition products:

Irritating organic vapours.

11. Toxicological information

Oral toxicity:

This material is considered to have low toxicity if swallowed.

Inhalative toxicity:

Inhalation of vapors in high concentration may cause irritation of respiratory system

Skin irritation:

May cause sensitization by skin contact.

Eye irritation:

Irritating to eyes.

12. Ecological information

Ecotoxicity:

Hazardous components CAS-No.	Species	Exposure time	Value type	Value
Decan-1-ol 112-30-1	Fathead minnow (<i>Pimephales promelas</i>)	96 h	LC 50	2,2 - 2,5 mg/l
Cumene hydroperoxide 80-15-9	Ide, silver or golden orfe (<i>Leuciscus idus</i>)	48 h	LC 50	14 mg/l
Cumene hydroperoxide 80-15-9	Water flea (<i>Daphnia magna</i>)	24 h	EC 50	7 mg/l

General ecological information:

Harmful to aquatic organisms.

May cause long-term adverse effects in the aquatic environment.

Cured Loctite products are typical polymers and do not pose any immediate environmental hazards.

Other remarks:

Do not empty into drains, soil or bodies of 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():

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:

Xi - Irritant



Contains

Maleic acid

Risk phrases:

R36 Irritating to eyes.

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R43 May cause sensitisation by skin contact.

Safety phrases:

S23 Do not breathe vapour.

S24/25 Avoid contact with skin and eyes.

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S37 Wear suitable gloves.

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 indicated by codes in this safety data sheet are as follows:

- R21/22 Harmful in contact with skin and if swallowed.
- R22 Harmful if swallowed.
- R23 Toxic by inhalation.
- R34 Causes burns.
- R36/37/38 Irritating to eyes, respiratory system and skin.
- R36/38 Irritating to eyes and skin.
- R43 May cause sensitisation by skin contact.
- R48/20/22 Harmful: danger of serious damage to health by prolonged exposure through inhalation and if swallowed.
- R51 Toxic to aquatic organisms.
- R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R53 May cause long-term adverse effects in the aquatic environment.
- 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.