



Technologies

Loctite 577

MSDS-No. : 168431

V001.0

Revision: 12.04.2006

printing date: 20.09.2007

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

Trade name:

Loctite 577

Intended use:

Anaerobic

Company name:

Henkel Loctite Adhesives Ltd
Technologies House
Wood Lane End
HP2 4RQ Hemel Hempstead
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Great Britain

Emergency information:

+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
Lauryl methacrylate 142-90-5	205-570-6	5 - 10 %	Xi - Irritant; R36/37/38 N - Dangerous for the environment; R50, R53
Cumene hydroperoxide 80-15-9	201-254-7	0,1 - < 1 %	O - Oxidizing; R7 T - Toxic; R23 Xn - Harmful; R21/22, R48/20/22 C - Corrosive; R34 N - Dangerous for the environment; R51, R53

3. Hazards identification

R36/37 Irritating to eyes and respiratory system.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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 8-21°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

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

Appearance	paste yellow
Odor:	mild
pH-value ()	3 - 6
Boiling point	Not determined
Flash point	> 100 °C (> 212 °F)
Vapor pressure (27 °C (80,6 °F))	< 5 mm/Hg
Density ()	1,15 - 1,20 g/cm ³
Solubility (qualitative) (Solvent: water)	Slight
Evaporation rate:	Not available
VOC content (1999/13/EC)	< 5 % (As defined in the Council Directive 1999/13/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
carbon oxides

11. Toxicological information**Oral toxicity:**

This material is considered to have low toxicity if swallowed

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**Ecotoxicity:**

Toxic to aquatic organisms
May cause long-term adverse effects in the aquatic environment
Do not empty into drains / surface water / ground water.

Mobility:

Cured adhesives are immobile.

Persistence and Biodegradability:

The product is not biodegradable.

Bioaccumulative potential:

No data available.

General ecological information:

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

Precautions required with respect to Environmental Hazards of articles in which this product is used should be considered.

Other remarks:

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

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.

14. Transport information

Road transport ADR:

Class:	9
Packaging group:	III
Classification code:	M6
Hazard ident. number:	90
UN no.:	3082
Label:	9
Technical name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Lauryl methacrylate)

Railroad transport RID:

Class:	9
Packaging group:	III
Classification code:	M6
Hazard ident. number:	90
UN no.:	3082
Label:	9
Technical name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Lauryl methacrylate)

Inland water transport ADN:

Class:	9
Packaging group:	III
Classification code:	M6
Hazard ident. number:	90
UN no.:	3082
Label:	9
Technical name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Lauryl methacrylate)

Marine transport IMDG:

Class:	9
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Packaging group:	III
UN no.:	3082
Label:	9
EmS:	F-A ,S-F
Seawater pollutant:	-
Proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Lauryl methacrylate)

Air transport IATA:

Class:	9
Packaging group:	III
Packaging instructions (passenger)	914
Packaging instructions (cargo)	914
UN no.:	3082
Label:	9
Proper shipping name:	Environmentally hazardous substance, liquid, n.o.s. (Lauryl methacrylate)

15. Regulations - classification and identification

Indication of danger:

Xi - Irritant

N - Dangerous for the
environment



Risk phrases:

R36/37 Irritating to eyes and respiratory system.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety phrases:

S23 Do not breathe vapour.

S24 Avoid contact with skin.

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.

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.

R21/22 Harmful in contact with skin and if swallowed.

R23 Toxic by inhalation.

R34 Causes burns.

R36/37/38 Irritating to eyes, respiratory system and skin.

R48/20/22 Harmful: danger of serious damage to health by prolonged exposure through inhalation and if swallowed.

R50 Very toxic to aquatic organisms.

R51 Toxic to aquatic organisms.

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.