



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

Page 1 of 1

LOCTITE 3494 VIS/UV

SDS no. : 153618

V002.0

Revision: 13.03.2008

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

Trade name:

LOCTITE 3494 VIS/UV

Intended use:

Acrylics

Company name:

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

Great Britain

Phone: +44 (1442) 278000

Fax-no.: +44 (1442) 278071

E-mail address of person responsible for Safety Data Sheet:

ua-productsafety.uk@uk.henkel.com

Emergency information:

24 Hours Emergency Tel: +44(0)8701906777

2. Hazards identification

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

R43 May cause sensitization by skin contact.

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

R68 Possible risk of irreversible effects.

3. Composition / information on ingredients

General chemical description:

UV curing acrylic adhesive

Declaration of ingredients according to EC/1907/2006:

Hazardous components CAS-No.	EINECS ELINCS	content	Classification
Isobornyl acrylate 5888-33-5	227-561-6	20 - 30 %	Xi - Irritant; R36/37/38 N - Dangerous for the environment; R51, R53
2-Hydroxyethyl methacrylate 868-77-9	212-782-2	10 - 20 %	Xi - Irritant; R36/38 Xi - Irritant; R43
Isobornyl methacrylate 7534-94-3	231-403-1	1 - 10 %	Xi - Irritant; R36/37/38 N - Dangerous for the environment; R51/53
Acrylic acid 79-10-7	201-177-9	1 - 10 %	R10 Xn - Harmful; R20/21/22 C - Corrosive; R35 N - Dangerous for the environment; R50
Hydroxypropyl methacrylate 27813-02-1	248-666-3	1 - 5 %	Xi - Irritant; R36, R43
Diphenyl-2,4,6-trimethylbenzoyl phosphine oxide 75980-60-8	278-355-8	0,1 - 1 %	N - Dangerous for the environment; R51/53 Toxic for reproduction - category 3.; Xn - Harmful; R62
[3-(2,3- Epoxypropoxy)propyl]trimethoxysilane 2530-83-8	219-784-2	1 - 3 %	Xn - Harmful; R22, R68 Xi - Irritant; R36

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.

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.

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.

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	liquid white
Odor:	irritating

Phys./chem. properties:

pH-value	Not determined
Boiling point	> 140 °C (> 284 °F)
Flash point	87,8 °C (190.04 °F)
Vapor pressure	< 13 mbar
(24 °C (75.2 °F))	
Density	1,024 g/cm ³
(ρ)	
Solubility (qualitative)	Slight
(Solvent: Water)	
Solubility (qualitative)	Not determined
(Solvent: Acetone)	
VOC content	< 5,00 % (As defined in the Council Directive 2004/42/EC)
(2004/42/EC)	

10. Stability and reactivity**Conditions to avoid:**

Stable under normal conditions of storage and use.
Protect from direct sunlight.

Materials to avoid:

Reaction with reducing agents.

11. Toxicological information**General toxicological information:**

|| Possible risk of irreversible effects.

Oral toxicity:

May cause irritation to the digestive tract.

Inhalative toxicity:

Irritating to respiratory system

Skin irritation:

It is irritating and sensitising to the skin

Eye irritation:

Irritating to eyes.

12. Ecological information**General ecological information:**

Toxic 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

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. (Isobornyl acrylate)

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. (Isobornyl acrylate)

Inland water transport ADN:

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

Marine transport IMDG:

Class: 9
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. (Isobornyl acrylate)

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. (Isobornyl
acrylate)

15. Regulations - classification and identification**Indication of danger:**

Xn - Harmful

N - Dangerous for the
environment**Contains**

2-Hydroxyethyl methacrylate,
Hydroxypropyl methacrylate,
[3-(2,3-Epoxypropoxy)propyl]trimethoxysilane

Risk phrases:

R36/37/38 Irritating to eyes, respiratory system and skin.
R43 May cause sensitization by skin contact.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R68 Possible risk of irreversible effects.

Safety phrases:

S23 Do not breathe vapour.
S24/25 Avoid contact with skin and eyes.
S36/37 Wear suitable protective clothing and gloves.
S51 Use only in well-ventilated areas.
S61 Avoid release to the environment. Refer to special instructions/Safety data sheets.

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:

R10 Flammable.
R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.
R22 Harmful if swallowed.
R35 Causes severe burns.
R36 Irritating to eyes.
R36/37/38 Irritating to eyes, respiratory system and skin.
R36/38 Irritating to eyes and skin.
R43 May cause sensitization by skin contact.
R50 Very toxic to aquatic organisms.
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.
R62 Possible risk of impaired fertility.
R68 Possible risk of irreversible effects.

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.