



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

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Loctite 3526 Heat/ UV

SDS no. : 153624  
V001.0

Revision: 10.04.2008  
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### 1. Identification of the substance/preparation and of the company/undertaking

**Trade name:**

Loctite 3526 Heat/ UV

**Intended use:**

Ultraviolet adhesive

**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

Care should be taken during the cure of these products by UV radiation to avoid exposure of the skin and especially of the eyes to direct or reflected UV radiation as longterm effects could be harmful.

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.

### 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
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	10 - 20 %	Xi - Irritant; R36/37/38 N - Dangerous for the environment; R51/53
Isobornyl acrylate 5888-33-5	227-561-6	1 - 10 %	Xi - Irritant; R36/37/38 N - Dangerous for the environment; R51, R53
(1-Methyl-1,2-ethanediyl)bis[oxy(methyl-2,1-ethanediyl)] diacrylate 42978-66-5	256-032-2	1 - 5 %	Xi - Irritant; R36/37/38 Xi - Irritant; R43 N - Dangerous for the environment; R51, R53
Hydroxypropyl methacrylate 27813-02-1	248-666-3	1 - 5 %	Xi - Irritant; R36, R43
tert-Butyl perbenzoate 614-45-9	210-382-2	1 - 5 %	E - Explosive; R2 R7 Xi - Irritant; R38
Diphenyl-2,4,6-trimethylbenzoyl phosphine oxide 75980-60-8	278-355-8	1 - 5 %	N - Dangerous for the environment; R51/53 Toxic for reproduction - category 3.; Xn - Harmful; R62
Acrylic acid 79-10-7	201-177-9	1 - 5 %	R10 Xn - Harmful; R20/21/22 C - Corrosive; R35 N - Dangerous for the environment; R50

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.  
Consideration should be given to the possible effects of a faulty UV source (Stray radiation, ozone).

**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

**Engineering controls:**

UV lamp should be designed, installed and operated in such a way as to eliminate exposure of the skin and eyes to stray radiation

**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 Light yellow
Odor:	irritating, sharp

**Phys./chem. properties:**

Boiling point	> 149,0 °C (> 300.2 °F)
Flash point	> 93,3 °C (> 199.94 °F)
Vapor pressure (24,0 °C (75.2 °F))	< 13,3322400 mbar
Density ( )	1,0633 g/cm <sup>3</sup>
Solubility (qualitative) (Solvent: Water)	Slight
VOC content (1999/13/EC)	< 3,00 %

## 10. Stability and reactivity

**Conditions to avoid:**

Stable under normal conditions of storage and use.

**11. Toxicological information****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:**

Do not empty into drains / surface water / ground water.

Toxic to aquatic organisms

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

**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.

Disposal must be made according to official regulations.

**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 methacrylate,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 methacrylate,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 methacrylate,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 methacrylate,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  
methacrylate,Isobornyl acrylate)

**15. Regulations - classification and identification**

**Indication of danger:**

Xi - Irritant

N - Dangerous for the  
environment



**Contains**

2-Hydroxyethyl methacrylate,  
(1-Methyl-1,2-ethanediyl)bis[oxy(methyl-2,1-ethanediyl)] diacrylate,  
Hydroxypropyl methacrylate

**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.

**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.
- R2 Risk of explosion by shock, friction, fire or other sources of ignition.
- R20/21/22 Harmful by inhalation, in contact with skin and 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.
- R38 Irritating to 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.
- 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.