



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

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Loctite All Purpose Adhesive

SDS no. : 322018

V001.0

Revision: 23.07.2008

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

**Trade name:**

Loctite All Purpose Adhesive

**Intended use:**

Adhesive

**Company name:**

Henkel Limited  
2 Bishop Square Business Park  
AL109EY Herfordshire Hatfield

Great Britain

Phone: +44 1606 593933

Fax-no.: +44 1606 863762

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

ua-productsafety.uk@uk.henkel.com

**Emergency information:**

24 Hours Emergency Tel: +44 0 8701 906777 - For further general health & safety, technical and practical advice on this product, please call +44 (0) 1606 593933 or write to: Technical Services; Henkel Limited; Road 5; Winsford Industrial Estate; Winsford; Cheshire; CW7 3QY- Email: technical.services@henkel.co.uk

### 2. Hazards identification

R11 Highly flammable.

R36 Irritating to eyes.

R66 Repeated exposure may cause skin dryness or cracking.

R67 Vapours may cause drowsiness and dizziness.

The product is classified as hazardous within the meaning of the valid (EU) preparation guideline.

F - Highly flammable

Persons suffering from allergic reactions to epoxides should avoid contact with the product.

### 3. Composition / information on ingredients

**General chemical description:**

Solvent based adhesive

**Declaration of ingredients according to EC/1907/2006:**

Hazardous components CAS-No.	EINECS ELINCS	content	Classification
2,2',2"-Nitrilotriethanol 102-71-6	203-049-8	1 - 10 %	
Butanone 78-93-3	201-159-0	30 - 40 %	F - Highly flammable; R11 Xi - Irritant; R36 R66 R67
Acetone 67-64-1	200-662-2	30 - 40 %	F - Highly flammable; R11 Xi - Irritant; R36 R66 R67
reaction product: bisphenol-A- (epichlorhydrin); epoxy resin (number average molecular weight <= 700) 25068-38-6		0,1 - 1 %	Xi - Irritant; R36/38 R43 N - Dangerous for the environment; R51, R53

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.

**Additional information:**

In case of fire, keep containers cool with water spray.

#### 6. Accidental release measures

**General information:**

Keep away from sources of ignition and naked flames.

**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.

Vapours should be extracted to avoid inhalation.

Keep away from sources of ignition - no smoking.

**Storage:**

Store in a cool, well-ventilated place.

Keep away from heat and direct sunlight.

## 8. Exposure controls / personal protection

**Components with specific control parameters for workplace:**

Valid for

Great Britain

Basis

Occupational Exposure Limits

Ingredient	ppm	mg/m <sup>3</sup>	Type	Category	Remarks
BUTAN-2-ONE (METHYL ETHYL KETONE) 78-93-3				Listed.	EH40 WEL
BUTANONE 78-93-3				Listed.	EU-2000/39/EC
BUTANONE 78-93-3	200	600	Time Weighted Average (TWA).		EU-2000/39/EC
BUTANONE 78-93-3	300	900	Short Term Exposure Limit (STEL):		EU-2000/39/EC
BUTAN-2-ONE (METHYL ETHYL KETONE) 78-93-3			Skin designation	Can be absorbed through the skin.	EH40 WEL
BUTAN-2-ONE (METHYL ETHYL KETONE) 78-93-3	200	600	Time Weighted Average (TWA).		EH40 WEL
BUTAN-2-ONE (METHYL ETHYL KETONE) 78-93-3	300	899	Short Term Exposure Limit (STEL):		EH40 WEL
ACETONE 67-64-1				Listed.	EH40 WEL
ACETONE 67-64-1				Listed.	EU-2000/39/EC
ACETONE 67-64-1	500	1.210	Time Weighted Average (TWA).		EU-2000/39/EC
ACETONE 67-64-1	500	1.210	Time Weighted Average (TWA).		EH40 WEL
ACETONE 67-64-1	1.500	3.620	Short Term Exposure Limit (STEL):		EH40 WEL

**Engineering controls:**

No further information, see section 7.

**Respiratory protection:**

Suitable breathing mask when there is inadequate ventilation.

Filter A1-A3 (brown)

**Hand protection:**

For shorttime contact (e.g. as protection against splashes) protective gloves made from polychloroprene are recommended according to EN 374.

material thickness > 0.6 mm

Perforation time > 10 minutes

In the case of longer and repeated contact please note that in practice the penetration times may be considerably shorter than those determined according to EN 374. The protective gloves must always be checked for their suitability for use at the specific workplace (e.g. mechanical and thermal stress, product compatibility, antistatic effects, etc.). The gloves must be replaced immediately at the first signs of wear and tear. The information provided by the manufacturers and given in the relevant trade association regulations for industrial safety must always be observed. We recommend that a hand care plan is drawn up in cooperation with a glove manufacturer and the trade association in accordance with the local operating conditions.

**Eye protection:**

Protective goggles

**Skin protection:**

suitable protective clothing

**General protection and hygiene measures:**

Avoid skin and eye contact.

Do not eat, drink or smoke while working.

Wash hands before work breaks and after finishing work.

Good industrial hygiene practices should be observed.

## 9. Physical and chemical properties

**General characteristics:**

Appearance	liquid colourless
Odor:	Characteristic

**Phys./chem. properties:**

Boiling point	55 °C (131 °F)
Flash point	-18 °C (0.4 °F)
Density	0,87 g/cm <sup>3</sup>
( )	
Solubility (qualitative)	not miscible
Explosion limit	
lower [vol%]	1,5 % (V)
upper [vol%]	14,3 % (V)

## 10. Stability and reactivity

**Conditions to avoid:**

Stable under normal conditions of storage and use.

**Materials to avoid:**

Reacts with strong oxidants.

**Hazardous decomposition products:**

Irritating organic vapours.

## 11. Toxicological information

### General toxicological information:

Persons suffering from allergic reactions to epoxides should avoid contact with the product.

### Oral toxicity:

This material is considered to have low toxicity if swallowed.

### Inhalative toxicity:

May cause headache and dizziness.

### Skin irritation:

Solvent may remove essential oils from the skin making it susceptible to attack from other chemicals.

### Eye irritation:

Irritating to eyes.

### Sensitizing:

Cross-reactions with other epoxide compounds possible.

## 12. Ecological information

### Mobility:

Cured adhesives are immobile.

### Persistence and degradability:

#### Ultimate biodegradation:

The product contains polymere components that are degradable to a large extent.

### General ecological information:

Do not empty into drains, soil or bodies of water.

## 13. Disposal considerations

### Product disposal:

Dispose of in accordance with local and national regulations.

### Disposal of uncleaned packages:

Disposal must be made according to official regulations.

## 14. Transport information

### Road transport ADR:

Class:	3
Packaging group:	II
Classification code:	F1
Hazard ident. number:	33
UN no.:	1133
Label:	3
Technical name:	ADHESIVES
Additional information:	Special provision 640D

**Railroad transport RID:**

Class:	3
Packaging group:	II
Classification code:	F1
Hazard ident. number:	33
UN no.:	1133
Label:	3
Technical name:	ADHESIVES
Additional information:	Special provision 640D

**Inland water transport ADN:**

Class:	3
Packaging group:	II
Classification code:	F1
Hazard ident. number:	
UN no.:	1133
Label:	3
Technical name:	ADHESIVES
Additional information:	Special provision 640D

**Marine transport IMDG:**

Class:	3
Packaging group:	II
UN no.:	1133
Label:	3
EmS:	F-E ,S-D
Seawater pollutant:	-
Proper shipping name:	ADHESIVES

**Air transport IATA:**

Class:	3
Packaging group:	II
Packaging instructions (passenger)	305
Packaging instructions (cargo)	307
UN no.:	1133
Label:	3
Proper shipping name:	Adhesives

**15. Regulations - classification and identification**

**Indication of danger:**

F - Highly flammable

Xi - Irritant



**Risk phrases:**

- R11 Highly flammable.
- R36 Irritating to eyes.
- R66 Repeated exposure may cause skin dryness or cracking.
- R67 Vapours may cause drowsiness and dizziness.

**Safety phrases:**

- S9 Keep container in a well-ventilated place.
- S16 Keep away from sources of ignition - No smoking.
- S23 Do not breathe vapour.
- 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.
- S2 Keep out of the reach of children.
- S46 If swallowed, seek medical advice immediately and show this container or label.

Contains reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight  $\leq$  700). May produce an allergic reaction.

## 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:

- R11 Highly flammable.
- R36 Irritating to eyes.
- R36/38 Irritating to eyes and skin.
- R43 May cause sensitization by skin contact.
- R51 Toxic to aquatic organisms.
- R53 May cause long-term adverse effects in the aquatic environment.
- R66 Repeated exposure may cause skin dryness or cracking.
- R67 Vapours may cause drowsiness and dizziness.

**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.

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