



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

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Loctite V5004 Part A

sds no. : 328929  
V002.0

Revision: 11.06.2010  
printing date: 08.07.2011

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

**Trade name:**

Loctite V5004 Part A

**Intended use:**

Adhesive

**Company name:**

Henkel Ireland Limited  
Product Safety & Regulatory Affairs  
Tallaght Business Park, Whitestown  
Dublin 24

Ireland

Phone: +353 (14046444)

Fax-no.: +353 (14519926)

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

ua-productsafety.uk@uk.henkel.com

**Emergency information:**

24 Hours Emergency Tel: +44 (0)1442 278497

### 2. Hazards identification

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

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
Benzyl 2-methylacrylate 2495-37-6	219-674-4	40 - 60 %	Xi - Irritant; R36/37/38
Isobornyl methacrylate 7534-94-3	231-403-1	10 - 20 %	N - Dangerous for the environment; R51/53 Xi - Irritant; R36/37/38
trimethylenediamine 109-76-2	203-702-7	0,1 - 1 %	R52/53 T - Toxic; R24 C - Corrosive; R35 Xn - Harmful; R22 R10
Tris(nonylphenyl) phosphite 26523-78-4	247-759-6	> 0,1 - < 1 %	N - Dangerous for the environment; R50/53 Xi - Irritant; R38 Xi - Irritant; 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.

#### 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 a cool, well-ventilated place.

#### 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.

**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 liquid light blue
Odor:	Acrylic

**Phys./chem. properties:**

Flash point	> 93 °C (> 199.4 °F)
Density ( )	0,9700 g/cm3

## 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:**

Irritating to the skin.

**Eye irritation:**

Irritating to eyes.

## 12. Ecological information

**General ecological information:**

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

## 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:**

Not dangerous goods

**Railroad transport RID:**

Not dangerous goods

**Inland water transport ADN:**

Not dangerous goods

**Marine transport IMDG:**

Not dangerous goods

**Air transport IATA:**

Not dangerous goods

## 15. Regulations - classification and identification

**Indication of danger:**

Xi - Irritant



**Risk phrases:**

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

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

**Safety phrases:**

S23 Do not breathe vapour.

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

S28 After contact with skin, wash immediately with plenty of water and soap.

S61 Avoid release to the environment. Refer to special instructions/Safety data sheets.

Contains Tris(nonylphenyl) phosphite. 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:

R10 Flammable.

R22 Harmful if swallowed.

R24 Toxic in contact with skin.

R35 Causes severe burns.

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

R38 Irritating to skin.

R43 May cause sensitisation by skin contact.

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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

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

### 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.



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

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Loctite V5004 Part B

sds no. : 328930  
V003.0

Revision: 11.06.2010  
printing date: 08.07.2011

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

**Trade name:**

Loctite V5004 Part B

**Intended use:**

Adhesive

**Company name:**

Henkel Ireland Limited  
Product Safety & Regulatory Affairs  
Tallaght Business Park, Whitestown  
Dublin 24

Ireland

Phone: +353 (14046444)

Fax-no.: +353 (14519926)

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

ua-productsafety.uk@uk.henkel.com

**Emergency information:**

24 Hours Emergency Tel: +44 (0)1442 278497

### 2. Hazards identification

Non corrosive to skin in accordance with the in vitro test method, B40 Skin Corrosion - Human skin model assay, specified in Part B of Annex V to Directive 67/548/EEC.

R11 Highly flammable.

R41 Risk of serious damage to eyes.

R37/38 Irritating to respiratory system and skin.

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

**General chemical description:**

Part B of a two part adhesive

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

Hazardous components CAS-No.	EINECS ELINCS	content	Classification
Methyl methacrylate 80-62-6	201-297-1	20 - 40 %	Xi - Irritant; R37/38 R43 F - Highly flammable; R11
Phenoxyethyl methacrylate 10595-06-9	234-201-1	5 - 15 %	Xi - Irritant; R36/38
Methacrylic acid 79-41-4	201-204-4	> 5 - < 10 %	C - Corrosive; R35 Xn - Harmful; R21/22
Tetrahydrofurfuryl methacrylate 2455-24-5	219-529-5	1 - 10 %	Xi - Irritant; R36/37/38
2-Hydroxyethyl methacrylate 868-77-9	212-782-2	1 - 10 %	Xi - Irritant; R36/38 R43
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
Tris(nonylphenyl) phosphite 26523-78-4	247-759-6	> 0,1 - < 1 %	N - Dangerous for the environment; R50/53 Xi - Irritant; R38 Xi - Irritant; 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.

#### 6. Accidental release measures

**Personal precautions:**

Avoid skin and eye contact.  
Remove sources of ignition.

**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.  
Keep away from sources of ignition - no smoking.

**Storage:**

Store in a cool, well-ventilated place.  
Keep away from sources of ignition.

## 8. Exposure controls / personal protection

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

Valid for  
Great Britain  
Basis  
UK EH40 WELs

Ingredient	ppm	mg/m3	Type	Category	Remarks
METHYL METHACRYLATE 80-62-6	50	208	Time Weighted Average (TWA).		EH40 WEL
METHYL METHACRYLATE 80-62-6	100	416	Short Term Exposure Limit (STEL):		EH40 WEL
METHACRYLIC ACID 79-41-4	40	143	Short Term Exposure Limit (STEL):		EH40 WEL
METHACRYLIC ACID 79-41-4	20	72	Time Weighted Average (TWA).		EH40 WEL

**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  
liquid  
Clear, Pink  
Odor:  
Acrylic

**Phys./chem. properties:**

Flash point  
10,00 °C (50 °F)  
Density  
0,9800 g/cm3  
( )  
VOC content  
30 - 40 %  
(1999/13/EC)



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

Heat, flames, sparks and other sources of ignition.

**11. Toxicological information****Oral toxicity:**

May cause irritation to the digestive tract.

**Inhalative toxicity:**

Irritating to respiratory system

**Skin irritation:**

Irritating to the skin.

**Eye irritation:**

Risk of serious damage to eyes

**Sensitizing:**

May cause sensitization by skin contact.

**12. Ecological information****Ecotoxicity:**

Hazardous components CAS-No.	Species	Exposure time	Value type	Value
Cumene hydroperoxide 80-15-9	Ide, silver or golden orfe (Leuciscus idus)	48 h	LC 50	14 mg/l
Cumene hydroperoxide 80-15-9	Water flea (Daphnia magna)	24 h	EC 50	7 mg/l

**General ecological information:**

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

Harmful 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(EWC):**

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:	3
Packaging group:	II
Classification code:	F1
Hazard ident. number:	33
UN no.:	1133
Label:	3
Technical name:	ADHESIVES
Tunnelcode:	(D/E)
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
Tunnelcode:	
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



### Contains

Methyl methacrylate,  
Methacrylic acid,  
2-Hydroxyethyl methacrylate

### Risk phrases:

R11 Highly flammable.  
R37/38 Irritating to respiratory system and skin.  
R41 Risk of serious damage 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.

### Safety phrases:

S16 Keep away from sources of ignition - No smoking.  
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.  
S37/39 Wear suitable gloves and eye/face protection.  
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:

- R11 Highly flammable.
- R21/22 Harmful in contact with skin and if swallowed.
- R23 Toxic by inhalation.
- R34 Causes burns.
- R35 Causes severe burns.
- R36/37/38 Irritating to eyes, respiratory system and skin.
- R36/38 Irritating to eyes and skin.
- R37/38 Irritating to respiratory system and skin.
- R38 Irritating to 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.
- R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- 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.