

**Gorilla Epoxy (Hardener)**

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) &amp; 2015/830

**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING****1.1 Product identifier**

Product Name Gorilla Epoxy (Hardener)  
CAS No. Not applicable.  
EC No. Not applicable.  
REACH Registration No. Not known.

**1.2 Relevant identified uses of the substance or mixture and uses advised against**

Identified Use(s) Hardener.  
Uses Advised Against Not known.

**1.3 Details of the supplier of the safety data sheet**

Manufacturer  
Company Identification Gorilla Glue Europe Ltd  
Address of Manufacturer 26 Eaton Avenue  
Matrix Park  
Buckshaw Village  
Chorley  
Lancashire  
PR7 7NA  
Postal code PR7 7NA  
Telephone: 01257 241 319  
E-mail Eucustomercare@gorillaglu.com  
Office hours 08:30 - 17:00  
Supplier

Company Identification Gorilla Glue Europe Ltd  
Address of Supplier 26 Eaton Avenue  
Matrix Park  
Buckshaw Village  
Chorley  
Lancashire  
PR7 7NA  
Postal code PR7 7NA  
Telephone: 01257 241 319  
E-mail Eucustomercare@gorillaglu.com  
Office hours 08:30 - 17:00

**1.4 Emergency telephone number**

Emergency Phone No. +44 (0)843 507 1200  
Contact Stuart Shotton  
National response center  
Address NHS Direct  
Emergency Phone No. +44 111

**SECTION 2: HAZARDS IDENTIFICATION****2.1 Classification of the substance or mixture**

Regulation (EC) No. 1272/2008 (CLP) Skin Irrit. 2 :Causes skin irritation.  
Skin Sens. 1A :May cause an allergic skin reaction.  
Eye Dam. 1 :Causes serious eye damage.  
Aquatic Chronic 3 :Harmful to aquatic life with long lasting effects.

**2.2 Label elements**

According to Regulation (EC) No. 1272/2008 (CLP)  
Product Name Gorilla Epoxy (Hardener)

Hazard Pictogram(s)



GHS05



GHS07

Signal Word(s)

Danger

Hazard Statement(s)

H315: Causes skin irritation.  
H317: May cause an allergic skin reaction.



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H318: Causes serious eye damage.  
H412: Harmful to aquatic life with long lasting effects.

### Precautionary Statement(s)

P101: If medical advice is needed, have product container or label at hand.  
P102: Keep out of reach of children.  
P261: Avoid breathing vapours.  
P273: Avoid release to the environment.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P501: Dispose of contents in accordance with local, state or national legislation.

### 2.3 Other hazards

None known.

### 2.4 Additional Information

#### Note

For full text of H/P Statements see section 16.  
Gorilla Epoxy contains 2,2,4(or 2,4,4)-trimethylhexane-1,6-diamine CAS No. 25513-64-8 which, according to Annex 1, Table 3.2.3 of CLP carries the H314: corrosive classification. Product level dermal corrosivity testing for Gorilla Epoxy confirms the product is classified as a skin irritant rather than corrosive. Positive results in a valid and accepted skin corrosion test (Corrositex test) classifies the mixture as Non-corrosive utilizing multiple replicate samples indicating highly reproducible results. As a result, the health hazard and transport classification have been changed to reflect the Epoxy results: UN Non-Corrosive and not a GHS Category 1.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

Not applicable.

### 3.2 Mixtures

HAZARDOUS INGREDIENT(S)	CAS No.	EC No. / REACH Registration No.	%W/W	Hazard Statement(s)	Hazard Pictogram(s)
Poly[oxy(methyl-1,2-ethanediyl)], $\alpha$ -hydro- $\omega$ -hydroxy-, ether with 2,2-bis(hydroxymethyl)-1,3-propanediol (4:1), 2-hydroxy-3-mercaptopropyl ether	72244-98-5	615-735-8 01-2120118957-46-XXXX	<85	Skin Sens. 1B H317 Aquatic Chronic 3 H412	GHS07
2,2,4(or 2,4,4)-trimethylhexane-1,6-diamine	25513-64-8	247-063-2 01-2119560598-25-XXXX	<20	Acute Tox. 4 H302 Skin Corr. 1A H314 Skin Sens. 1A H317 Eye Dam. 1 H318	GHS05 GHS07
1,4-diazabicyclooctane	280-57-9	205-999-9 01-2119980944-22-XXXX	<1	Flam. Sol. 1 H228 Acute Tox. 4 H302 Skin Irrit. 2 H315 Eye Dam. 1 H318	GHS02 GHS05 GHS07
2,6-di-tert-butyl-p-cresol	128-37-0	204-881-4 01-2119565113-46-XXXX	<0.5	Aquatic Acute 1 H400 Aquatic Chronic 1 H410	GHS09

## SECTION 4: FIRST AID MEASURES

### 4.1 Description of first aid measures

#### Inhalation

If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

#### Skin Contact

Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention.

#### Eye Contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.

#### Ingestion

Wash out mouth with water. If symptoms develop, obtain medical attention.

### 4.2 Most important symptoms and effects, both acute and delayed

Causes serious eye damage. Causes skin irritation. May cause an allergic skin reaction.

### 4.3 Indication of any immediate medical attention and special treatment needed

Unlikely to be required but if necessary treat symptomatically.

## SECTION 5: FIREFIGHTING MEASURES



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### 5.1 Extinguishing media

Suitable Extinguishing media As appropriate for surrounding fire.  
Unsuitable extinguishing media Do not use water jet.

### 5.2 Special hazards arising from the substance or mixture

Heating may cause decomposition.

### 5.3 Advice for firefighters

Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Dike fire control water for later disposal.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation. Wear suitable protective clothing, gloves and eye/face protection. Avoid breathing vapours. Contaminated work clothing should not be allowed out of the workplace.

### 6.2 Environmental precautions

Avoid release to the environment.

### 6.3 Methods and material for containment and cleaning up

Absorb spillages onto sand, earth or any suitable adsorbent material.

### 6.4 Reference to other sections

See Also Section 8, 13.

## SECTION 7: HANDLING AND STORAGE

### 7.1 Precautions for safe handling

If medical advice is needed, have product container or label at hand. Keep out of reach of children. Avoid breathing vapours. Wear protective gloves/protective clothing/eye protection/face protection. Avoid contact with skin and eyes. Wash hands and exposed skin thoroughly after handling. Take off contaminated clothing and wash it before reuse. Do not eat, drink or smoke at the work place.

### 7.2 Conditions for safe storage, including any incompatibilities

Keep in a cool, dry, well ventilated place. Opened containers should be carefully resealed and stored in an upright position.

Storage temperature

2-40°C

Storage life

Stable under normal conditions.

Incompatible materials

None known.

### 7.3 Specific end use(s)

Hardener.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

#### 8.1.1 Occupational Exposure Limits

Occupational Exposure Limits						
SUBSTANCE.	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m <sup>3</sup> )	STEL (ppm)	STEL (mg/m <sup>3</sup> )	Note
2,6-di-tert-butyl-p-cresol	128-37-0		10			

Region

Source

EU

EU Occupational Exposure Limits

United Kingdom

UK Workplace Exposure Limits EH40/2005 (Fourth edition, published 2020)

### 8.2 Exposure controls

8.2.1. Appropriate engineering controls Ensure adequate ventilation. A washing facility/water for eye and skin cleaning purposes should be present.

#### 8.2.2. Personal protection equipment

Eye Protection

Wear protective eye glasses for protection against liquid splashes.



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Skin protection

Wear protective clothing and gloves: Impervious gloves (EN 374).  
Breakthrough time of the glove material: refer to the information provided by the gloves' producer.



Respiratory protection

Wear suitable respiratory protection.



Thermal hazards

Not applicable.

8.2.3. Environmental Exposure Controls Avoid release to the environment.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES****9.1 Information on basic physical and chemical properties**

Appearance	Liquid. Colour : Light yellow.
Odour	Characteristic.
Odour threshold	Not known.
pH	Not known.
Melting point/freezing point	Not known.
Initial boiling point and boiling range	Not known.
Flash Point	Not known.
Evaporation rate	Not known.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	Not known.
Vapour pressure	Not known.
Vapour density	Not known.
Density (g/ml)	1.12g/cm <sup>3</sup>
Relative density	Not known.
Solubility(ies)	Solubility (Water) : Not known. Solubility (Other) : Not known.
Partition coefficient: n-octanol/water	Not known.
Auto-ignition temperature	Not known.
Decomposition Temperature (°C)	Not known.
Viscosity	Not known.
Explosive properties	Not explosive.
Oxidising properties	Not oxidising.

**9.2 Other information**

None.

**SECTION 10: STABILITY AND REACTIVITY****10.1 Reactivity**

Stable under normal conditions.

**10.2 Chemical Stability**

Stable under normal conditions.

**10.3 Possibility of hazardous reactions**

No hazardous reactions known if used for its intended purpose.

**10.4 Conditions to avoid**

None anticipated.

**10.5 Incompatible materials**

Not known.

**10.6 Hazardous decomposition products**

No hazardous decomposition products known.

**Gorilla Epoxy (Hardener)****SECTION 11: TOXICOLOGICAL INFORMATION****11.1 Information on toxicological effects**

Acute toxicity - Ingestion	Low oral toxicity.
Acute toxicity - Skin Contact	Low acute toxicity.
Acute toxicity - Inhalation	Low acute toxicity.
Skin corrosion/irritation	Causes skin irritation. No data.
Serious eye damage/irritation	Causes serious eye damage. No data.
Skin sensitization data	May cause an allergic skin reaction. No data.
Respiratory sensitization data	Not classified.
Germ cell mutagenicity	There is no evidence of mutagenic potential.
Carcinogenicity	No evidence of carcinogenic effects.
Reproductive toxicity	No evidence of reproductive effects.
Lactation	Not classified.
STOT - single exposure	None anticipated.
STOT - repeated exposure	None anticipated.
Aspiration hazard	Not classified.

**11.2 Other information**

Not known.

**SECTION 12: ECOLOGICAL INFORMATION****12.1 Toxicity**

Toxicity - Aquatic invertebrates	Harmful to aquatic life with long lasting effects.
Toxicity - Fish	No data.
Toxicity - Algae	No data.
Toxicity - Sediment Compartment	No data.
Toxicity - Terrestrial Compartment	Not classified.

**12.2 Persistence and degradability**

No information on this formulation.

**12.3 Bioaccumulative potential**

No information on this formulation.

**12.4 Mobility in soil**

No information on this formulation.

**12.5 Results of PBT and vPvB assessment**

Not classified as PBT or vPvB.

**12.6 Other adverse effects**

Not known.

**SECTION 13: DISPOSAL CONSIDERATIONS****13.1 Waste treatment methods**

Dispose of empty containers and wastes safely. Do not reuse empty containers.

**13.2 Additional Information**

Disposal should be in accordance with local, state or national legislation.

**SECTION 14: TRANSPORT INFORMATION****Not classified as hazardous for transport.****14.1 UN number**

Not applicable

**14.2 UN proper shipping name**

Not applicable

**14.3 Transport hazard class(es)**

Not applicable

**14.4 Packing group**

Not applicable





### Gorilla Epoxy (Hardener)

H400: Very toxic to aquatic life.  
H410: Very toxic to aquatic life with long lasting effects.  
H412: Harmful to aquatic life with long lasting effects.

#### Precautionary Statement(s)

P101: If medical advice is needed, have product container or label at hand.  
P102: Keep out of reach of children.  
P261: Avoid breathing vapours.  
P264: Wash hands and exposed skin thoroughly after handling.  
P272: Contaminated work clothing should not be allowed out of the workplace.  
P273: Avoid release to the environment.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P302+P352: IF ON SKIN: Wash with plenty of water.  
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310: Immediately call a POISON CENTER/doctor.  
P333+P313: If skin irritation or rash occurs: Get medical advice/attention.  
P362+P364: Take off contaminated clothing and wash it before reuse.  
P501: Dispose of contents in accordance with local, state or national legislation.

#### Acronyms

CAS : Chemical Abstracts Service  
CLP : Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures  
EC : European Community  
LTEL : Long term exposure limit  
PBT : Persistent, Bioaccumulative and Toxic  
REACH : Registration, Evaluation, Authorisation and Restriction of Chemicals  
STEL : Short term exposure limit  
STOT : Specific Target Organ Toxicity  
vPvB : very Persistent and very Bioaccumulative

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