

**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.  
Unique Formula Identifier (UFI) K2Y8-80AU-N00J-Y7A8

**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  
Telephone: 01257 241 319  
E-mail Eucustomercare@gorillaglu.com  
Office hours 08:30 - 17:00  
Supplier

Company Identification GG Brands Netherlands B.V.  
Address of Supplier Lichttoren 32  
5611 BJ  
Eindhoven  
Telephone: +31 85 064 4029  
E-mail Eucustomercare@gorillaglu.com  
Office hours 08:30 - 17:00

**1.4 Emergency telephone number**

Supplier Contact: Stuart Shotton  
Emergency Phone No. +44 (0)843 507 1200

Northern Ireland: NHS Direct (24 hours)  
Emergency Phone No. +44 111

Republic of Ireland: NPIC Ireland  
Emergency Phone No. +353 (0) 1 809 2166 (8am - 10pm)

**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

**Gorilla Epoxy (Hardener)**

## Signal Word(s)

Danger

## Hazard Statement(s)

H315: Causes skin irritation.  
H317: May cause an allergic skin reaction.  
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)], α-hydro-ω-hydroxy-, ether with 2,2-bis(hydroxymethyl)-1,3-propanediol (4:1), 2-hydroxy-3-mercaptopropyl ether | 72244-98-5 | 615-735-8<br>01-2120118957-46-XXXX | <85  | Skin Sens. 1B H317<br>Aquatic Chronic 3 H412                                     | GHS07                   |
| 2,2,4(or 2,4,4)-trimethylhexane-1,6-diamine                                                                                                     | 25513-64-8 | 247-063-2<br>01-2119560598-25-XXXX | <20  | Acute Tox. 4 H302<br>Skin Corr. 1A H314<br>Skin Sens. 1A H317<br>Eye Dam. 1 H318 | GHS05<br>GHS07          |
| 1,4-diazabicyclooctane                                                                                                                          | 280-57-9   | 205-999-9<br>01-2119980944-22-XXXX | <1   | Flam. Sol. 1 H228<br>Acute Tox. 4 H302<br>Skin Irrit. 2 H315<br>Eye Dam. 1 H318  | GHS02<br>GHS05<br>GHS07 |
| 2,6-di-tert-butyl-p-cresol                                                                                                                      | 128-37-0   | 204-881-4<br>01-2119565113-46-XXXX | <0.5 | Aquatic Acute 1 H400<br>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**

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Unlikely to be required but if necessary treat symptomatically.

**SECTION 5: FIREFIGHTING MEASURES****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**

Adsorb 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

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Eye Protection

Wear protective eye glasses for protection against liquid splashes.



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**

|                                              |                       |
|----------------------------------------------|-----------------------|
| Physical state                               | Liquid.               |
| Colour                                       | Amber.                |
| Odour                                        | Characteristic.       |
| Melting point/freezing point                 | Not known.            |
| Initial boiling point and boiling range      | Not known.            |
| Flammability                                 | Not applicable.       |
| Upper/lower flammability or explosive limits | Not known.            |
| Flashpoint                                   | Not known.            |
| Auto-ignition temperature                    | Not known.            |
| Decomposition temperature                    | Not known.            |
| pH                                           | Not known.            |
| Kinematic viscosity                          | Not known.            |
| Solubility                                   | Not known.            |
| Partition coefficient: n-octanol/water       | Not known.            |
| Vapour pressure                              | Not known.            |
| Density (g/ml)                               | 1.12g/cm <sup>3</sup> |
| Relative vapour density                      | Not known.            |
| Particle characteristics                     | Not known.            |

**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.                                    |
|                                    | 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 Endocrine Disrupting Properties**

Not known.

**12.7 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)**

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|                                                                     |                                       |
|---------------------------------------------------------------------|---------------------------------------|
| <b>14.4 Packing group</b>                                           | Not applicable                        |
| <b>14.5 Environmental hazards</b>                                   | Not applicable                        |
| <b>14.6 Special precautions for user</b>                            | Not classified as a Marine Pollutant. |
| <b>14.7 Maritime transport in bulk according to IMO instruments</b> | Not known                             |

**SECTION 15: REGULATORY INFORMATION****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

European Regulations - Authorisations and/or Restrictions On Use

Candidate List of Substances of Very High Concern for Authorisation Not listed

REACH: ANNEX XIV list of substances subject to authorisation Not listed

REACH: Annex XVII Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles  
Community Rolling Action Plan (CoRAP)  
Regulation (EC) N° 850/2004 of the European Parliament and of the Council on persistent organic pollutants  
Regulation (EC) N° 1005/2009 on substances that deplete the ozone layer  
Regulation (EU) N° 649/2012 of the European Parliament and of the Council concerning the export and import of hazardous chemicals

Poly[oxy(methyl-1,2-ethanediyl)], α-hydro-ω-hydroxy-, ether with 2,2-bis(hydroxymethyl)-1,3-propanediol (4:1), 2-hydroxy-3-mercaptopropyl ether (72244-98-5), 2,2,4(or 2,4,4)-trimethylhexane-1,6-diamine (25513-64-8), 1,4-diazabicyclooctane (280-57-9), 2,6-di-tert-butyl-p-cresol (128-37-0)  
2,6-di-tert-butyl-p-cresol (128-37-0)

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**National regulations**

Other Not known.

**15.2 Chemical Safety Assessment**

A REACH chemical safety assessment has not been carried out.

**SECTION 16: OTHER INFORMATION**

The following sections contain revisions or new statements: 1-16

**LEGEND**

Hazard Pictogram(s)



GHS05



GHS07

GHS02: GHS: Flame  
GHS09: GHS: Environment

Hazard classification

Flam. Sol. 1 : Flammable solid, Category 1  
Acute Tox. 4 : Acute toxicity, Category 4  
Skin Corr. 1A : Skin corrosion/irritation, Category 1A  
Skin Irrit. 2 : Skin corrosion/irritation, Category 2  
Skin Sens. 1A : Skin sensitization, Category 1A  
Skin Sens. 1B : Skin sensitization, Category 1B  
Eye Dam. 1 : Serious eye damage/irritation, Category 1  
Aquatic Acute 1 : Hazardous to the aquatic environment, Acute, Category 1  
Aquatic Chronic 1 : Hazardous to the aquatic environment, Chronic, Category 1  
Aquatic Chronic 3 : Hazardous to the aquatic environment, Chronic, Category 3

Hazard Statement(s)

H228: Flammable solid.  
H302: Harmful if swallowed.  
H314: Causes severe skin burns and eye damage.

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H315: Causes skin irritation.  
H317: May cause an allergic skin reaction.  
H318: Causes serious eye damage.  
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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