



## Gorilla Epoxy (Resin)

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 (Resin)  
CAS No. Not applicable.  
EC No. Not applicable.  
REACH Registration No. Not known.  
Unique Formula Identifier (UFI) N312-W00T-Q00C-KE5Q

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

Identified Use(s) Adhesives.  
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  
Emergency Phone No. +44 111 (24 hours)

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. 1 :May cause an allergic skin reaction.  
Eye Irrit. 2 :Causes serious eye irritation.  
Aquatic Chronic 2 :Toxic to aquatic life with long lasting effects.

#### 2.2 Label elements

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

Hazard Pictogram(s)



GHS07



GHS09

**Gorilla Epoxy (Resin)**

|                                   |  |
|-----------------------------------|--|
| Signal Word(s)                    | Warning  |
| Hazard Statement(s)               | H315: Causes skin irritation.<br>H317: May cause an allergic skin reaction.<br>H319: Causes serious eye irritation.<br>H411: Toxic to aquatic life with long lasting effects.  |
| Precautionary Statement(s)        | P101: If medical advice is needed, have product container or label at hand.<br>P102: Keep out of reach of children.<br>P261: Avoid breathing vapours.<br>P273: Avoid release to the environment.<br>P280: Wear protective gloves/protective clothing/eye protection/face protection.<br>P501: Dispose of contents in accordance with local, state or national legislation. |
| <b>2.3 Other hazards</b>          | None known.  |
| <b>2.4 Additional Information</b> | For full text of H/P Statements see section 16.  |

**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)                       |
|--|-----------|------------------------------------|--------|--|---|
| bis-[4-(2,3-epoxipropoxy)phenyl]propane      | 1675-54-3 | 216-823-5<br>01-2119456619-26-XXXX | <99    | Skin Irrit. 2 H315<br>Skin Sens. 1 H317<br>Eye Irrit. 2 H319<br>Aquatic Chronic 2 H411   | GHS07<br>GHS09                            |
| [3-(2,3-epoxypropoxy)propyl]trimethoxysilane | 2530-83-8 | 219-784-2<br>01-2119513212-58-XXXX | <2     | Eye Dam. 1 H318  | GHS05                                     |
| 1-chloro-2,3-epoxypropane                    | 106-89-8  | 203-439-8<br>01-2119457436-33-XXXX | <0.001 | Flam. Liq. 3 H226<br>Acute Tox. 3 H301<br>Acute Tox. 3 H311<br>Skin Corr. 1B H314<br>Skin Sens. 1 H317<br>Acute Tox. 3 H331<br>Carc. 1B H350 | GHS02<br>GHS06<br>GHS05<br>GHS08<br>GHS07 |
| Methanol                                     | 67-56-1   | 200-659-6<br>01-2119433307-44-XXXX | <0.001 | Flam. Liq. 2 H225<br>Acute Tox. 3 H301<br>Acute Tox. 3 H311<br>Acute Tox. 3 H331<br>STOT SE 1 H370   | GHS02<br>GHS06<br>GHS08                   |
| bisphenol A                                  | 80-05-7   | 201-245-8<br>01-2119457856-23-XXXX | <0.001 | Skin Sens. 1 H317<br>Eye Dam. 1 H318<br>STOT SE 3 H335<br>Repr. 1B H360F   | GHS05<br>GHS08<br>GHS07                   |

**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.



## Gorilla Epoxy (Resin)

|   |  |
|---|--|
| 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. If eye irritation persists: Get medical advice/attention. |
| Ingestion   | Wash out mouth with water. If symptoms develop, obtain medical attention.  |
| <b>4.2 Most important symptoms and effects, both acute and delayed</b>                | Causes irritation to eyes and skin. May cause an allergic skin reaction.   |
| <b>4.3 Indication of any immediate medical attention and special treatment needed</b> | Unlikely to be required but if necessary treat symptomatically.  |

### SECTION 5: FIREFIGHTING MEASURES

|  |  |
|--|--|
| <b>5.1 Extinguishing media</b>                                   |  |
| Suitable Extinguishing media                                     | As appropriate for surrounding fire.   |
| Unsuitable extinguishing media                                   | Do not use water jet.  |
| <b>5.2 Special hazards arising from the substance or mixture</b> | Decomposes in a fire giving off toxic fumes: Carbon monoxide, Carbon dioxide, Halogenated compounds  |
| <b>5.3 Advice for firefighters</b>                               | Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Dike fire control water for later disposal. |

### SECTION 6: ACCIDENTAL RELEASE MEASURES

|  |  |
|--|--|
| <b>6.1 Personal precautions, protective equipment and emergency procedures</b> | Provide adequate ventilation. Avoid breathing vapours. Wear suitable protective clothing, gloves and eye/face protection. Contaminated work clothing should not be allowed out of the workplace. |
| <b>6.2 Environmental precautions</b>   | Avoid release to the environment.  |
| <b>6.3 Methods and material for containment and cleaning up</b>                | Absorb spillages onto sand, earth or any suitable adsorbent material. Collect spillage. Transfer to a container for disposal.  |
| <b>6.4 Reference to other sections</b>   | See Also Section 8, 13.  |

### SECTION 7: HANDLING AND STORAGE

|   |  |
|---|--|
| <b>7.1 Precautions for safe handling</b>                                | If medical advice is needed, have product container or label at hand. Keep out of reach of children. Wash hands and exposed skin thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing vapours. Avoid contact with skin and eyes. Take off contaminated clothing and wash it before reuse. Do not eat, drink or smoke at the work place. |
| <b>7.2 Conditions for safe storage, including any incompatibilities</b> | Keep in a cool, dry, well ventilated place. Opened containers should be carefully resealed and stored in an upright position.  |
| Storage temperature   | Ambient.   |
| Storage life  | Stable under normal conditions.  |
| Incompatible materials  | Strong oxidising agents, Acids, Alkalis, Amines  |
| <b>7.3 Specific end use(s)</b>  | Adhesives.   |

### 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        |
| 1-chloro-2,3-epoxypropane    | 106-89-8 | 0.5                 | 1.9                                | 1.5        | 5.8                       | Carc        |
| Methanol                     | 67-56-1  | 200                 | 266                                | 250        | 333                       | Sk          |
| Methanol                     | 67-56-1  | 200                 | 260                                |            |                           | IOELV, Skin |



## Gorilla Epoxy (Resin)

|             |         |  |   |  |              |
|-------------|---------|--|---|--|--------------|
| bisphenol A | 80-05-7 |  | 2 |  |              |
| bisphenol A | 80-05-7 |  | 2 |  | IOELV, (8.1) |

|                |   |
|----------------|---|
| Region         | Source  |
| EU             | EU Occupational Exposure Limits   |
| United Kingdom | UK Workplace Exposure Limits EH40/2005 (Fourth edition, published 2020) |

|            |   |
|------------|---|
| Remark     | Notes   |
| Carc       | Capable of causing cancer and/or heritable genetic damage.  |
| Sk         | Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity. |
| IOELV      | Indicative Occupational Exposure Limit Values.  |
| Skin (8.1) | The possibility of significant uptake through the skin.<br>Inhalable fraction.  |

### 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.



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                                       | Clear  |
| Odour  | Not known.   |
| Melting point/freezing point                 | Not known.   |
| Initial boiling point and boiling range      | Not known.   |
| Flammability                                 | Not known.   |
| Upper/lower flammability or explosive limits | Not known.   |
| Flashpoint                                   | >94°C [Closed cup]   |
| Auto-ignition temperature                    | Not known.   |
| Decomposition temperature                    | Not known.   |
| pH   | Not known.   |
| Kinematic viscosity                          | Not known.   |
| Solubility                                   | Solubility (Water) : Slightly soluble (bis-[4-(2,3-epoxipropoxy)phenyl]propane)<br>Solubility (Other) : Not known. |



## Gorilla Epoxy (Resin)

|  |   |
|--|---|
| Partition coefficient: n-octanol/water | Log Pow 3.242@ 25°C (bis-[4-(2,3-epoxipropoxy)phenyl]propane) |
| Vapour pressure                        | Not known.  |
| Density (g/ml)                         | 1.1-1.2g/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

Strong oxidising agents, Acids, Alkalis, Amines

### 10.6 Hazardous decomposition products

No hazardous decomposition products known.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

|                                |  |
|--------------------------------|--|
| Acute toxicity - Ingestion     | Low oral toxicity.<br>bis-[4-(2,3-epoxipropoxy)phenyl]propane :<br>LD50 (oral, rat) mg/kg: >2000 |
| 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 irritation. 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 | Toxic to aquatic life with long lasting effects.<br>bis-[4-(2,3-epoxipropoxy)phenyl]propane :<br>EC50 Acute (Daphnia magna) (48 hour) : 2.7mg/l<br>NOEC Chronic (Daphnia magna) (21 days) : 0.3mg/l |
| Toxicity - Fish                  | bis-[4-(2,3-epoxipropoxy)phenyl]propane :<br>LC50 Acute (Rainbow trout) (96 hour) : 1.5mg/l   |
| Toxicity - Algae                 | bis-[4-(2,3-epoxipropoxy)phenyl]propane :<br>EC50 Acute (Green algae) (72 hour) : 9.4mg/l   |
| Toxicity - Sediment Compartment  | Not classified.   |



## Gorilla Epoxy (Resin)

|  |   |
|--|---|
| Toxicity - Terrestrial Compartment             | Not classified.   |
| <b>12.2 Persistence and degradability</b>      | The product is not biodegradable.<br>bis-[4-(2,3-epoxipropoxy)phenyl]propane : Not readily biodegradable.                         |
| <b>12.3 Bioaccumulative potential</b>          | The product has no potential for bioaccumulation.<br>bis-[4-(2,3-epoxipropoxy)phenyl]propane : Bioconcentration factor (BCF) : 31 |
| <b>12.4 Mobility in soil</b>                   | The product is predicted to have moderate mobility in soil.   |
| <b>12.5 Results of PBT and vPvB assessment</b> | Not classified as PBT or vPvB.  |
| <b>12.6 Endocrine Disrupting Properties</b>    | Not known.  |
| <b>12.7 Other adverse effects</b>              | Not known.  |

### SECTION 13: DISPOSAL CONSIDERATIONS

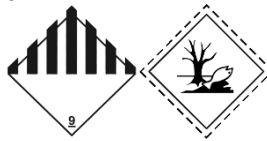
|                                     |   |
|-------------------------------------|---|
| <b>13.1 Waste treatment methods</b> | Dispose of empty containers and wastes safely. Do not reuse empty containers. |
| <b>13.2 Additional Information</b>  | Disposal should be in accordance with local, state or national legislation.   |

### SECTION 14: TRANSPORT INFORMATION

|   |   |
|---|---|
| <b>14.1 UN number</b>   |   |
| UN No.  | 3082  |
| <b>14.2 UN proper shipping name</b>                               |   |
| UN proper shipping name   | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (bis-[4-(2,3-epoxipropoxy)phenyl]propane) |
| <b>14.3 Transport hazard class(es)</b>                            |   |
| ADR/RID   |   |
| ADR/RID Class   | 9   |
| ADR Classification Code   | M6  |
| Special Provisions  | 274 335 375 601   |
| Limited Quantities  | 5 L   |
| Excepted Quantities   | E1  |
| Emergency Action Code   | •3Z   |
| Mixed Packing Instructions for Packages                           | P001 IBC03 LP01 R001  |
| Special Packing Provisions for Packages                           | PP1   |
| Mixed Packing Instructions for Packages                           | MP19  |
| Packing Instructions for Portable Tanks                           | T4  |
| Special Provisions for Portable Tanks                             | TP1 TP29  |
| Tank Code for Tanks   | LGBV  |
| Vehicle for Tank Carriage   | AT  |
| ADR Transport Category  | 3   |
| Special Provisions for Carriage - Packages                        | V12   |
| Special Provisions for Carriage - Loading, Unloading and Handling | CV13  |
| ADR HIN   | 90  |
| IMDG  |   |
| IMDG Class  | 9   |

**Gorilla Epoxy (Resin)**

|  |   |
|--|---|
| Special Provisions   | 274 335 375 601   |
| Limited Quantities   | 5 L   |
| Excepted Quantities  | E1  |
| Mixed Packing Instructions for Packages                              | P001 IBC03 LP01 R001  |
| Special Packing Provisions for Packages                              | PP1   |
| Packing Instructions for Portable Tanks                              | T4  |
| Special Provisions for Portable Tanks                                | TP1 TP29  |
| IMDG EMS   | F-A S-F   |
| Stowage and Handling   | Category A  |
| ICAO/IATA  |   |
| IATA Proper Shipping Name  | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (bis-[4-(2,3-epoxipropoxy)phenyl]propane) |
| Excepted Quantities  | E1  |
| Passenger and Cargo Aircraft Limited Quantities Packing Instructions | Y964  |
| Passenger and Cargo Aircraft Limited Quantities Max net Qty          | 30Kg G  |
| Passenger and Cargo Aircraft Packing Instructions                    | 964   |
| Passenger and Cargo Aircraft Max net Qty                             | 450L  |
| Cargo Aircraft Packing Instructions                                  | 964   |
| Cargo Aircraft Max net Qty   | 450L  |
| Special Provisions   | A97, A158 A197  |
| Emergency Response Guidebook (ERG) Code                              | 9L  |
| Labels   |   |
| Labels   | 9   |

**14.4 Packing group**

Packing group III

**14.5 Environmental hazards**

Environmental hazards Classified as a Marine Pollutant.

**14.6 Special precautions for user**

Special precautions for user Not known.

**14.7 Maritime transport in bulk according to IMO instruments**

No information available

**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 bisphenol A (80-05-7)

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 Carcinogens: category 1B (106-89-8), Toxic to reproduction: category 1B (80-05-7), bis-[4-(2,3-epoxipropoxy)phenyl]propane (1675-54-3), [3-(2,3-epoxypropoxy)propyl]trimethoxysilane (2530-83-8), Methanol (67-56-1)

Community Rolling Action Plan (CoRAP) bis-[4-(2,3-epoxipropoxy)phenyl]propane (1675-54-3), Methanol (67-56-1), bisphenol A (80-05-7)

Regulation (EC) N° 850/2004 of the European Parliament and of the Council on persistent organic pollutants Not listed

Regulation (EC) N° 1005/2009 on substances that deplete the ozone layer Not listed

Regulation (EU) N° 649/2012 of the European Parliament and of the Council Not listed

**Gorilla Epoxy (Resin)**

concerning the export and import of hazardous chemicals

**National regulations**

Other

**15.2 Chemical Safety Assessment**

Not known.

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)



GHS07



GHS09

GHS02: GHS: Flame  
GHS05: GHS: Corrosion  
GHS06: GHS: Skull and crossbones  
GHS08: GHS: Health hazard

Hazard classification

Flam. Liq. 2 : Flammable liquid, Category 2  
Flam. Liq. 3 : Flammable liquid, Category 3  
Acute Tox. 3 : Acute toxicity, Category 3  
Skin Corr. 1B : Skin corrosion/irritation, Category 1B  
Skin Irrit. 2 : Skin corrosion/irritation, Category 2  
Skin Sens. 1 : Skin sensitization, Category 1  
Eye Dam. 1 : Serious eye damage/irritation, Category 1  
Eye Irrit. 2 : Serious eye damage/irritation, Category 2  
STOT SE 3 : Specific target organ toxicity — single exposure, Category 3  
Carc. 1B : Carcinogenicity, Category 1B  
Repr. 1B : Reproductive toxicity, Category 1B  
STOT SE 1 : Specific target organ toxicity — single exposure, Category 1  
Aquatic Chronic 2 : Hazardous to the aquatic environment, Chronic, Category 2

Hazard Statement(s)

H225: Highly flammable liquid and vapour.  
H226: Flammable liquid and vapour.  
H301: Toxic if swallowed.  
H311: Toxic in contact with skin.  
H314: Causes severe skin burns and eye damage.  
H315: Causes skin irritation.  
H317: May cause an allergic skin reaction.  
H318: Causes serious eye damage.  
H319: Causes serious eye irritation.  
H331: Toxic if inhaled.  
H335: May cause respiratory irritation.  
H350: May cause cancer.  
H360F: May damage fertility.  
H370: Causes damage to organs.  
H411: Toxic 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.  
P333+P313: If skin irritation or rash occurs: Get medical advice/attention.  
P337+P313: If eye irritation persists: Get medical advice/attention.

**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.<br>H317: May cause an allergic skin reaction.<br>H318: Causes serious eye damage.<br>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.<br>P102: Keep out of reach of children.<br>P261: Avoid breathing vapours.<br>P273: Avoid release to the environment.<br>P280: Wear protective gloves/protective clothing/eye protection/face protection.<br>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<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



## Gorilla Epoxy (Hardener)

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

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

**Gorilla Epoxy (Hardener)**

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    | Not classified.                                    |
| 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 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)**

**Gorilla Epoxy (Hardener)**

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

Community Rolling Action Plan (CoRAP) 2,6-di-tert-butyl-p-cresol (128-37-0)

Regulation (EC) N° 850/2004 of the European Parliament and of the Council on persistent organic pollutants Not listed

Regulation (EC) N° 1005/2009 on substances that deplete the ozone layer Not listed

Regulation (EU) N° 649/2012 of the European Parliament and of the Council concerning the export and import of hazardous chemicals Not listed

**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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## Gorilla Epoxy (Resin)

P362+P364: Take off contaminated clothing and wash it before reuse.  
P391: Collect spillage.  
P501: Dispose of contents in accordance with local, state or national legislation.

### Acronyms

ADR : European Agreement concerning the International Carriage of Dangerous Goods by Road  
CAS : Chemical Abstracts Service  
CLP : Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures  
EC : European Community  
IATA : International Air Transport Association  
IBC : Intermediate Bulk Container  
ICAO : International Civil Aviation Organization  
IMDG : International Maritime Dangerous Goods  
LTEL : Long term exposure limit  
PBT : Persistent, Bioaccumulative and Toxic  
REACH : Registration, Evaluation, Authorisation and Restriction of Chemicals  
RID : Regulations concerning the International Carriage of Dangerous Goods by Rail  
STEL : Short term exposure limit  
STOT : Specific Target Organ Toxicity  
UN : United Nations  
vPvB : very Persistent and very Bioaccumulative

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