

**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.

**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
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
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

**Gorilla Epoxy (Resin)****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

**Signal Word(s)**

Warning

**Hazard Statement(s)**

H315: Causes skin irritation.  
H317: May cause an allergic skin reaction.  
H319: Causes serious eye irritation.  
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.  
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**

For full text of H/P Statements see section 16.



## Gorilla Epoxy (Resin)

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



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

Causes irritation to eyes and skin. 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

### 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

Decomposes in a fire giving off toxic fumes: Carbon monoxide, Carbon dioxide, Halogenated compounds

### 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. Avoid breathing vapours. Wear suitable protective clothing, gloves and eye/face protection. 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. Collect spillage. Transfer to a container for disposal.

### 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. 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.

### 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

Ambient.

Storage life

Stable under normal conditions.



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Incompatible materials

Strong oxidising agents, Acids, Alkalis, Amines

#### 7.3 Specific end use(s)

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
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	The possibility of significant uptake through the skin.
(8.1)	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.

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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 : Amber.
Odour	Not known.
Odour threshold	Not known.
pH	Not known.
Melting point/freezing point	Not known.
Initial boiling point and boiling range	Not known.
Flash Point	>94°C [Closed cup]
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)	1.1-1.2g/cm <sup>3</sup>
Relative density	Not known.
Solubility(ies)	Solubility (Water) : Slightly soluble (bis-[4-(2,3-epoxipropoxy)phenyl]propane) Solubility (Other) : Not known.
Partition coefficient: n-octanol/water	Log Pow 3.242@ 25°C (bis-[4-(2,3-epoxipropoxy)phenyl]propane)
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.

**Gorilla Epoxy (Resin)****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.

bis-[4-(2,3-epoxipropoxy)phenyl]propane :

LD50 (oral,rat) mg/kg: &gt;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.

**Gorilla Epoxy (Resin)****SECTION 12: ECOLOGICAL INFORMATION****12.1 Toxicity**

Toxicity - Aquatic invertebrates

Toxic to aquatic life with long lasting effects.

bis-[4-(2,3-epoxipropoxy)phenyl]propane :

EC50 Acute (Daphnia magna) (48 hour) : 2.7mg/l

NOEC Chronic (Daphnia magna) (21 days) : 0.3mg/l

Toxicity - Fish

bis-[4-(2,3-epoxipropoxy)phenyl]propane :

LC50 Acute (Rainbow trout) (96 hour) : 1.5mg/l

Toxicity - Algae

bis-[4-(2,3-epoxipropoxy)phenyl]propane :

EC50 Acute (Green algae) (72 hour) : 9.4mg/l

Toxicity - Sediment Compartment

Not classified.

Toxicity - Terrestrial Compartment

Not classified.

**12.2 Persistence and degradability**

The product is not biodegradable.

bis-[4-(2,3-epoxipropoxy)phenyl]propane : Not readily biodegradable.

**12.3 Bioaccumulative potential**

The product has no potential for bioaccumulation.

bis-[4-(2,3-epoxipropoxy)phenyl]propane : Bioconcentration factor (BCF) : 31

**12.4 Mobility in soil**

The product is predicted to have moderate mobility in soil.

**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.



**Gorilla Epoxy (Resin)****SECTION 14: TRANSPORT INFORMATION****14.1 UN number**

UN No. 3082

**14.2 UN proper shipping name**

UN proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (bis-[4-(2,3-epoxipropoxy)phenyl]propane)

**14.3 Transport hazard class(es)**

## 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  
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

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Passenger and Cargo Aircraft Limited	Y964
Quantities Packing Instructions	
Passenger and Cargo Aircraft Limited	30Kg G
Quantities Max net Qty	
Passenger and Cargo Aircraft Packing	964
Instructions	
Passenger and Cargo Aircraft Max net	450L
Qty	
Cargo Aircraft Packing Instructions	964
Cargo Aircraft Max net Qty	450L
Special Provisions	A97, A158 A197
Emergency Response Guidebook (ERG)	9L
Code	
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 Transport in bulk according to Annex II of Marpol and the IBC Code**

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-epoxypropoxy)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-epoxypropoxy)phenyl]propane (1675-54-3), Methanol (67-56-1), bisphenol A (80-05-7)

**Gorilla Epoxy (Resin)**

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)



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



## Gorilla Epoxy (Resin)

### 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.  
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



## Gorilla Epoxy (Resin)

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

### Disclaimers

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