



SAFETY DATA SHEET – Gorilla Epoxy - Hardener

Date Revised: 15/11/2017

Version 2.0

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

1. SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Product Name Gorilla Epoxy - Hardener.
Synonym(s) Epoxy Hardener.
CAS No. Mixture.
EINECS No. Mixture.

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

Identified use(s) Epoxy.
Uses advised against None known.

1.3 Details of the supplier of the Safety Data Sheet

Company Identification Gorilla Glue Europe Ltd.
Chorley Business & Technology Centre
East Terrace
Euxton Lane
Chorley PR7 6TE, United Kingdom.
Telephone 01257 241319
Fax 01257 273820
E-mail eusales@gorillaglu.com

1.4 Emergency telephone number

National Poisons Information Service 111
Emergency Phone No. +44 (0) 1257 241319 (During Business Hours)
+1 651-603-3429 (Outside Business Hours)

2. SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

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

2.2 Label elements

Product Name According to Regulation (EC) No. 1272/2008 (CLP)
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.
H318: Causes serious eye damage.
H412: Harmful to aquatic life with long lasting effects.



SAFETY DATA SHEET – Gorilla Epoxy - Hardener

Date Revised: 15/11/2017

Version 2.0

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

Precautionary statement(s)

P273: Avoid release to the environment.
 P280: Wear protective gloves/protective clothing/eye protection/face protection/hearing 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.
 P362+P364: Take off contaminated clothing and wash it before reuse.

2.3 Other hazards

None known.

2.4 Additional Information

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

Note: Gorilla Epoxy contains trimethylhexane-1,6-diamine CAS No. 25620-58-0 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.

3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Not applicable.

3.2 Mixtures

EC Classification No. 1272/2008

Hazardous ingredient(s)	%W/W	CAS No.	EC No.	REACH Registration No.	Classification
Reaction products of a polyol of pentaerythritol and propylene oxide, epichlorohydrin and hydrogen sulfide	75-85	72244-98-5	615-735-8	01-2120118957-46-XXXX	Skin Sens. 1; H317, Aquatic Chronic 3; H412
Trimethylhexane-1,6-diamine	10-20	25620-58-0	247-134-8	None assigned	Skin Corr. 1B; H314, Acute Tox. 4; H302, Skin Sens. 1; H317, Aquatic Chronic 3; H412
1,4-diazabicyclooctane	1-5	280-57-9	205-999-9	01-2119980944-22-XXXX	Flam. Sol. 1; H228, Acute Tox. 4; H302, Skin Irrit. 2; H315, Eye Dam. 1; H318



SAFETY DATA SHEET – Gorilla Epoxy - Hardener

Date Revised: 15/11/2017

Version 2.0

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

2,6-di-tert-butyl-p-cresol	<1	128-37-0	204-881-4	01-2119480433-40-XXXX	Aquatic Chronic 3; H412
----------------------------	----	----------	-----------	-----------------------	-------------------------

3.3 Additional Information

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

4. SECTION 4: FIRST AID MEASURES



4.1 Description of first aid measures

Inhalation	Remove person to fresh air and keep comfortable for breathing.
Skin Contact	Wash with plenty of water. Take off contaminated clothing and wash it before reuse. 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.

4.2 Most important symptoms and effects, both acute and delayed Skin Contact: Causes skin irritation. May produce an allergic reaction.

Eye Contact: Causes serious eye damage. Treat symptomatically.

4.3 Indication of any immediate medical attention and special treatment needed

5. SECTION 5: FIREFIGHTING MEASURES

Non-flammable. Non-explosive.

5.1 Extinguishing Media

Suitable Extinguishing Media	As appropriate for surrounding fire.
Unsuitable Extinguishing Media	None known.

5.2 Special hazards arising from the substance or mixture May give off toxic fumes in a fire.

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

6. SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures Provide adequate ventilation. Wear suitable gloves and eye/face protection.

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. Transfer to a container for disposal.

6.4 Reference to other sections See Also Section: 8, 13



SAFETY DATA SHEET – Gorilla Epoxy - Hardener

Date Revised: 15/11/2017

Version 2.0

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

7. SECTION 7: HANDLING AND STORAGE

- 7.1 Precautions for safe handling** Provide adequate ventilation. Avoid breathing vapours. Wear protective gloves/protective clothing/eye protection/face protection. Wash hands and exposed skin thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace.
- 7.2 Conditions for safe storage, including any incompatibilities**
- | | |
|------------------------|---------------------------------|
| Storage Temperature | Ambient. |
| Storage Life | Stable under normal conditions. |
| Incompatible materials | None known. |
- 7.3 Specific end use(s)** Epoxy.

8. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.1.1 Occupational Exposure Limits

SUBSTANCE	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m ³)	STEL (ppm)	STEL (mg/m ³)	Note
2,6-di-tert-butyl-p-cresol	128-37-0		10			WEL, Sk

Source: WEL: Workplace Exposure Limit (UK HSE EH40)

8.1.2 Biological limit value Not established.

8.1.3 PNECs and DNELs Not established.

8.2 Exposure controls

8.2.1 Appropriate engineering controls Provide adequate ventilation.

8.2.2 Personal protection equipment

Eye/face protection



Wear eye protection with side protection (EN166).

Skin protection (Hand protection/ Other)



Wear protective clothing and gloves: Impervious gloves (EN 374).

Respiratory protection



Normally no personal respiratory protection is necessary.

Thermal hazards

Not applicable.

8.2.3 Environmental Exposure Controls Avoid release to the environment.

9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties



SAFETY DATA SHEET – Gorilla Epoxy - Hardener

Date Revised: 15/11/2017

Version 2.0

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

Appearance	Liquid.
Colour	Clear to light yellow.
Odour	Characteristic.
Odour Threshold	Not established.
pH	Not available.
Melting Point/Freezing Point	Not available.
Initial boiling point and boiling range	Not available.
Flash Point	Not available.
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	Not applicable.
Vapour pressure	Not available.
Vapour density	Not available.
Relative density	1.12 g/cm ³
Solubility(ies)	Not available.
Partition coefficient: n-octanol/water	Not available.
Auto-ignition temperature	Not available.
Decomposition Temperature	Not available.
Viscosity	7000-9000 cps
Explosive properties	Not explosive.
Oxidising properties	Not oxidising.
9.2 Other information	None.

10. 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 known.
10.5 Incompatible materials	None known.
10.6 Hazardous Decomposition Product(s)	No hazardous decomposition products known.

11. SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects	
Acute toxicity	Low acute toxicity. 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: LD50 (rat) (oral) = 2600 mg/kg
Skin corrosion/irritation	Causes skin irritation. Gorilla Epoxy contains trimethylhexane-1,6-diamine CAS No. 25620-58-0 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,



SAFETY DATA SHEET – Gorilla Epoxy - Hardener

Date Revised: 15/11/2017

Version 2.0

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

Serious eye damage/irritation
Respiratory or skin sensitisation
Germ cell mutagenicity
Carcinogenicity
Reproductive toxicity
STOT - single exposure
STOT - repeated exposure
Aspiration hazard

the health hazard and transport classification have been changed to reflect the Epoxy results: UN Non-Corrosive and not a GHS Category 1.

Causes serious eye damage.

May cause an allergic skin reaction.

Not classified.

Not classified.

None anticipated.

Not classified.

Not classified.

Not classified.

11.2 Other information

None.

12. SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Harmful to aquatic life with long lasting effects.

12.2 Persistence and degradability

No information available.

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

No information available.

12.6 Other adverse effects

None.

13. SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Dispose of wastes in an approved waste disposal facility.

13.2 Additional Information

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

14. SECTION 14: TRANSPORT INFORMATION

Not classified as dangerous 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.

14.5 Environmental hazards

Not applicable.

14.6 Special precautions for user

Not applicable.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable.

In quantities not to exceed 5kg/5L per single or inner packaging, marine pollutants are not subject to regulation by ground, air, or vessel. See 49 CFR 171.4(c)(2), IATA DGR Special Provision A197, MDG Code 2.10.2.7 and ADR 5.2.1.8.1.

15. SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1 EU regulations

Authorisations and/or restrictions on use

Candidate List of Substances of Very High

Concern for Authorisation

All chemicals are not listed.

REACH: ANNEX XIV list of substances subject to authorisation

All chemicals are not listed.



SAFETY DATA SHEET – Gorilla Epoxy - Hardener

Date Revised: 15/11/2017

Version 2.0

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

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)

15.1.2 National regulations

15.2 Chemical Safety Assessment

Listed: 1,4-diazabicyclooctane (CAS No.: 280-57-9)

Listed: 2,6-di-tert-butyl-p-cresol (CAS No.: 128-37-0)

None known.

Not applicable.

16. SECTION 16: OTHER INFORMATION

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

LEGEND

LTEL	Long Term Exposure Limit
STEL	Short Term Exposure Limit
DNEL	Derived No Effect Level
PNEC	Predicted No Effect Concentration
PBT	Persistent, Bioaccumulative and Toxic
vPvB	very Persistent and very Bioaccumulative
Skin Corr. 1B	Skin corrosion/irritation Category 1B
Eye Dam. 1	Serious eye damage/irritation Category 1
Skin Irrit. 2	Skin corrosion/irritation Category 2
Acute Tox. 4	Acute toxicity Category 4
Skin Sens. 1	Respiratory/skin sensitisation Category 1
Flam. Sol. 1	Flammable solid, Category 1
Aquatic Chronic 3	Hazardous to the aquatic environment Category 3

Hazard statement(s) and Precautionary Statement(s)

H228	Flammable solid.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
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.
P264	Wash hands and exposed skin thoroughly after handling.
P272	Contaminated work clothing should not be allowed out of the workplace.
P310	Immediately call a POISON CENTER/doctor.
P501	Dispose of contents in accordance with local, state or national legislation.

Disclaimers

The information presented in this Safety Data Sheet was prepared by qualified personnel and to the best of our knowledge is true and accurate. The information and recommendations are furnished for this product with the understanding that the purchaser will independently determine the suitability of the product for this purpose. This data does not constitute a warranty, expressed or implied, statutory or otherwise, nor is it representation for which The Gorilla Glue Company assumes



SAFETY DATA SHEET – Gorilla Epoxy - Hardener

Date Revised: 15/11/2017

Version 2.0

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

legal responsibility. The data is submitted for the user's information and consideration only. Any use of this product must be determined by the user to be in accordance with applicable federal, state, provincial and local laws and regulations.

Annex to the extended Safety Data Sheet (eSDS)

Not applicable.

SAFETY DATA SHEET – Gorilla Epoxy - Resin

Date Revised: 9/12/2016

Version 1.0

FOR CHEMICAL EMERGENCY:

During Business Hours: (800) 966-3458 | Outside Business Hours: (800) 420-7186



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

1. SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Product Name	Gorilla Epoxy - Resin.
Synonym(s)	Epoxy Resin.
CAS No.	Mixture.
EINECS No.	Mixture.

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

Identified use(s)	Epoxy.
Uses advised against	None known.

1.3 Details of the supplier of the Safety Data Sheet

Company Identification	Gorilla Glue Europe Ltd. Chorley Business & Technology Centre East Terrace Euxton Lane Chorley PR7 6TE, United Kingdom.
Telephone	01257 241319
Fax	01257 273820
E-mail	eusales@gorillaglu.com

1.4 Emergency telephone number

National Poisons Information Service	111
Emergency Phone No.	+44 (0) 1257 241319 (During Business Hours) +1 651-603-3429 (Outside Business Hours)

2. SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Regulation (EC) No. 1272/2008 (CLP)	Skin Irrit. 2; Causes skin irritation. Eye Irrit. 2; Causes serious eye irritation. Skin Sens. 1; May cause an allergic skin reaction. Aquatic Chronic 2; Toxic to aquatic life with long lasting effects.
--	---

2.2 Label elements

Product Name	According to Regulation (EC) No. 1272/2008 (CLP)
--------------	--

Hazard pictogram(s)	Gorilla Epoxy - Resin.
---------------------	------------------------



GHS07

GHS09

Signal word(s)	Warning.
----------------	----------

SAFETY DATA SHEET – Gorilla Epoxy - Resin

Date Revised: 9/12/2016

Version 1.0



FOR CHEMICAL EMERGENCY:

During Business Hours: (800) 966-3458 | Outside Business Hours: (800) 420-7186

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.
EUH205: Contains epoxy constituents. May produce an allergic reaction.

Precautionary statement(s)

P102: Keep out of reach of children.
P261: Avoid breathing mist/ vapours/ spray.
P273: Avoid release to the environment.
P280: Wear protective gloves/protective clothing/eye 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.
P501: Dispose of contents/container in accordance with local, regional, national, and international regulations.

2.3 Other hazards

None.

2.4 Additional Information

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

3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Not applicable.

3.2 Mixtures

EC Classification No. 1272/2008

Hazardous ingredient(s)	%W/W	CAS No.	EC No.	EC INDEX No.	Classification
Bisphenol A Epoxy Resin	60-100	25068-38-6	500-033-5	603-074-00-8	Skin Irrit. 2; H315, Eye Irrit. 2; H319, Skin Sens. 1; H317, Aquatic Chronic 2; H411 Specific Concentration Limits (C> = 5) Skin Irrit. 2; H315, (C> = 5) Eye Irrit. 2; H319

3.3 Additional Information

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

4. SECTION 4: FIRST AID MEASURES



SAFETY DATA SHEET – Gorilla Epoxy - Resin

Date Revised: 9/12/2016

Version 1.0



FOR CHEMICAL EMERGENCY:

During Business Hours: (800) 966-3458 | Outside Business Hours: (800) 420-7186

4.1 Description of first aid measures

General information

Do not give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell. (show the label if possible).

Inhalation

Remove person to fresh air and keep comfortable for breathing. Get medical advice/attention if you feel unwell.

Skin Contact

Remove contaminated clothing. Gently wash with plenty of soap and water. Continue to wash the affected area for at least 15 minutes. Call a POISON CENTER/doctor if you feel unwell. Wash contaminated clothing before reuse.

Eye Contact

Flush eyes with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention.

Ingestion

Rinse mouth. Do not induce vomiting. Immediately call a POISON CENTER or doctor/physician.

4.2 Most important symptoms and effects, both acute and delayed

Skin Contact: Causes skin irritation. May produce an allergic reaction.

Eye Contact: Causes serious eye irritation.

Inhalation: May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Ingestion: Likely to be harmful or have adverse effects. Irritation to mouth, throat and stomach can occur.

4.3 Indication of any immediate medical attention and special treatment needed

If medical advice is needed, have product container or label at hand.

5. SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing Media

Suitable Extinguishing Media

As appropriate for surrounding fire.

Unsuitable Extinguishing Media

Do not use a heavy water stream. Use of heavy stream of water may spread fire.

5.2 Special hazards arising from the substance or mixture

Non-flammable. Non-explosive. Reactivity: None known.

5.3 Advice for firefighters

Exercise caution when fighting any chemical fire. Do not allow runoff to enter drains, sewers or watercourses. Fire fighters should wear proper protective clothing including respiratory protection.

6. SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Avoid contact with skin, eyes or clothing. Avoid breathing vapours. Ensure adequate ventilation. Evacuate if necessary. Stop leak if safe to do so. Ensure suitable personal protection during removal of spillages.

SAFETY DATA SHEET – Gorilla Epoxy - Resin

Date Revised: 9/12/2016

Version 1.0

FOR CHEMICAL EMERGENCY:

During Business Hours: (800) 966-3458 | Outside Business Hours: (800) 420-7186



- 6.2 **Environmental precautions** Avoid run off to waterways and sewers. This material is toxic to aquatic life with long lasting effects.
- 6.3 **Methods and material for containment and cleaning up** Clean up spill immediately. Cover spills with inert absorbent material. Transfer to a container for disposal. Dispose of empty containers and wastes safely.
- 6.4 **Reference to other sections** See Also Section: 8, 13

7. SECTION 7: HANDLING AND STORAGE

- 7.1 **Precautions for safe handling** General hygiene measures for the handling of chemicals are applicable. Do not eat, drink or smoke when using this product. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco.
- 7.2 **Conditions for safe storage, including any incompatibilities** Store in a cool/low-temperature, well-ventilated (dry) place. Keep container closed when not in use. Ambient.
 Storage Temperature
 Storage Life
 Incompatible materials
 Acids, Alkalis, Strong oxidising agents.
- 7.3 **Specific end use(s)** Epoxy.

8. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.1.1 Occupational Exposure Limits

SUBSTANCE	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m ³)	STEL (ppm)	STEL (mg/m ³)	Note
Bisphenol A Epoxy Resin	25068-38-6					None assigned

8.1.2 **Biological limit value** Not established.

8.1.3 **PNECs and DNELs** Not established.

8.2 Exposure controls

8.2.1 **Appropriate engineering controls** Provide adequate ventilation to ensure that the occupational exposure limit is not exceeded. Guarantee that the eye flushing systems and safety showers are located close to the working place.

8.2.2 Personal protection equipment

Eye/face protection



Wear protective eyewear (goggles, face shield, or safety glasses).

Skin protection (Hand protection/ Other)



Wear protective clothing and gloves: Chemically resistant materials and fabrics.

SAFETY DATA SHEET – Gorilla Epoxy - Resin

Date Revised: 9/12/2016

Version 1.0

FOR CHEMICAL EMERGENCY:

During Business Hours: (800) 966-3458 | Outside Business Hours: (800) 420-7186



Respiratory protection



Wear suitable respiratory protective equipment if exposure to levels above the occupational exposure limit is likely.

Thermal hazards

Not applicable.

8.2.3 Environmental Exposure Controls

Avoid run off to waterways and sewers.

9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Clear, Translucent.
Odour	No data.
Odour Threshold	No data.
pH	Not applicable.
Melting Point/Freezing Point	No data.
Initial boiling point and boiling range	No data.
Flash Point	> 93°C (199,4°F) [Closed cup]
Evaporation rate	No data.
Flammability (solid, gas)	No data.
Upper/lower flammability or explosive limits	Not applicable.
Vapour pressure	No data.
Vapour density	No data.
Relative density	No data.
Solubility(ies)	No data.
Partition coefficient: n-octanol/water	No data.
Auto-ignition temperature	No data.
Decomposition Temperature	No data.
Viscosity	No data.
Explosive properties	Not applicable.
Oxidising properties	No data.

9.2 Other information

None.

10. SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity	None known.
10.2 Chemical stability	Stable under normal conditions.
10.3 Possibility of hazardous reactions	Hazardous polymerisation will not occur. No hazardous reactions known if used for its intended purpose.
10.4 Conditions to avoid	Keep from direct sunlight. Extremely high or low temperatures.
10.5 Incompatible materials	Acids, Alkalis, Strong oxidising agents.
10.6 Hazardous Decomposition Product(s)	Oxides of carbon.

11. SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity	Not classified.
Oral	Bisphenol A Epoxy Resin:

SAFETY DATA SHEET – Gorilla Epoxy - Resin

Date Revised: 9/12/2016

Version 1.0



FOR CHEMICAL EMERGENCY:

During Business Hours: (800) 966-3458 | Outside Business Hours: (800) 420-7186

Dermal	LD50 (rat) = > 2000 mg/kg
Skin corrosion/irritation	Bisphenol A Epoxy Resin:
Serious eye damage/irritation	LD50 (rat) = > 2000 mg/kg
Respiratory or skin sensitisation	Causes skin irritation.
Germ cell mutagenicity	Causes serious eye irritation.
Carcinogenicity	May cause an allergic skin reaction.
Reproductive toxicity	Not classified.
STOT - single exposure	Not classified.
STOT - repeated exposure	Not classified.
Aspiration hazard	Not classified.
11.2 Other information	None.

12. SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity	Toxic to aquatic organisms. Bisphenol A Epoxy Resin: LOEC(Daphnia magna) = 1 mg/l NOEC(Daphnia magna) = 0,3 mg/l
12.2 Persistence and degradability	No information available.
12.3 Bioaccumulative potential	No information available.
12.4 Mobility in soil	No information available.
12.5 Results of PBT and vPvB assessment	No information available.
12.6 Other adverse effects	Avoid release to the environment.

13. SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods	Dispose of wastes in an approved waste disposal facility.
13.2 Additional Information	Disposal should be in accordance with local, state or national legislation.

14. SECTION 14: TRANSPORT INFORMATION

Not classified as dangerous 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.
14.5 Environmental hazards	Not applicable.
14.6 Special precautions for user	Not applicable.
14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.

NOTE: In quantities not to exceed 5kg/5L per single or inner packaging, marine pollutants are not subject to regulation by ground, air, or vessel. See 49 CFR 171.4(c)(2), IATA DGR Special Provision A197, and IMDG Code 2.10.2.7.

SAFETY DATA SHEET – Gorilla Epoxy - Resin

Date Revised: 9/12/2016

Version 1.0

FOR CHEMICAL EMERGENCY:

During Business Hours: (800) 966-3458 | Outside Business Hours: (800) 420-7186



15. SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental

regulations/legislation specific for the substance or mixture

15.1.1 EU regulations

Authorisations and/or restrictions on use

Candidate List of Substances of Very High Concern for Authorisation

All chemicals are not listed.

REACH: ANNEX XIV list of substances subject to authorisation

All chemicals are not listed.

REACH: Annex XVII Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

Gorilla Epoxy – Resin
3. Liquid substances or mixtures which are regarded as dangerous in accordance with Directive 1999/45/EC or are fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No. 1272/2008.

Community Rolling Action Plan (CoRAP)

Listed: Reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight \leq 700 (CAS No.: 25068-38-6)

15.1.2 National regulations

None known.

15.2 Chemical Safety Assessment

Not applicable.

16. SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 3, 5, 11, 14, 15

LEGEND

LTEL	Long Term Exposure Limit
STEL	Short Term Exposure Limit
DNEL	Derived No Effect Level
PNEC	Predicted No Effect Concentration
PBT	Persistent, Bioaccumulative and Toxic
vPvB	very Persistent and very Bioaccumulative
Eye Irrit. 2	Serious eye damage/irritation Category 2
Skin Irrit. 2	Skin corrosion/irritation Category 2
Skin Sens. 1	Respiratory/skin sensitisation Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment Category 2

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.

SAFETY DATA SHEET – Gorilla Epoxy - Resin

Date Revised: 9/12/2016

Version 1.0

FOR CHEMICAL EMERGENCY:

During Business Hours: (800) 966-3458 | Outside Business Hours: (800) 420-7186



Disclaimers

The information presented in this Safety Data Sheet was prepared by qualified personnel and to the best of our knowledge is true and accurate. The information and recommendations are furnished for this product with the understanding that the purchaser will independently determine the suitability of the product for this purpose. This data does not constitute a warranty, expressed or implied, statutory or otherwise, nor is it representation for which The Gorilla Glue Company assumes legal responsibility. The data is submitted for the user's information and consideration only. Any use of this product must be determined by the user to be in accordance with applicable federal, state, provincial and local laws and regulations.

Annex to the extended Safety Data Sheet (eSDS)

Not applicable.