

**Gorilla Glue**

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 2020/878

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

Product Name	Gorilla Glue
CAS No.	Not applicable.
EC No.	Not applicable.
REACH Registration No.	Not known.
Unique Formula Identifier (UFI)	46K2-M0CT-N00U-7C4J

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

Identified Use(s)	Adhesives.
Uses Advised Against	Consumer spray application is not supported. Consumer applications that require heating above room temperature before or during use are not supported.

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
Fax	Not known.
E-mail	Eucustomer@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	Eucustomer@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 centre	
Address	NHS Direct
Emergency Phone No.	+44 111

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

Regulation (EC) No. 1272/2008 (CLP)	Skin Irrit. 2 :Causes skin irritation. Skin Sens. 1 :May cause an allergic skin reaction. Eye Irrit. 2 :Causes serious eye irritation. Acute Tox. 4 :Harmful if inhaled. Resp. Sens. 1 :May cause allergy or asthma symptoms or breathing difficulties if inhaled. STOT SE 3 :May cause respiratory irritation. Carc. 2 :Suspected of causing cancer. STOT RE 2 :May cause damage to organs through prolonged or repeated exposure.
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2.2 Label elements

	According to Regulation (EC) No. 1272/2008 (CLP)
Product Name	Gorilla Glue
Hazard Pictogram(s)	





Gorilla Glue

Signal Word(s)	GHS08	GHS07
Hazard Statement(s)	Danger H315: Causes skin irritation. H317: May cause an allergic skin reaction. H319: Causes serious eye irritation. H332: Harmful if inhaled. H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled. H335: May cause respiratory irritation. H351: Suspected of causing cancer. H373: May cause damage to organs through prolonged or repeated exposure. EUH204: Contains isocyanates. May produce an allergic reaction.	
Precautionary Statement(s)	P101: If medical advice is needed, have product container or label at hand. P102: Keep out of reach of children. P201: Obtain special instructions before use. P260: Do not breathe vapour. P280: Wear protective gloves/protective clothing/eye protection/face protection. P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P308+P313: IF exposed or concerned: Get medical advice/attention. 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.

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)
Prepolymer based on aromatic polyisocyanate	67815-87-6	642-899-8	30-50	Skin Irrit. 2 H315 Skin Sens. 1 H317 Eye Irrit. 2 H319 Acute Tox. 4 H332 Resp. Sens. 1 H334 STOT SE 3 H335 STOT RE 2 H373	GHS08 GHS07
4,4'-methylenediphenyl diisocyanate	101-68-8	202-966-0 01-2119457014-47-XXXX	25-50	Skin Irrit. 2 H315 Skin Sens. 1 H317 Eye Irrit. 2 H319 Acute Tox. 4 H332 Resp. Sens. 1 H334 STOT SE 3 H335 Carc. 2 H351 STOT RE 2 H373	GHS08 GHS07
Isocyanic acid, polymethylenepolyphenylene ester	9016-87-9	618-498-9	10-20	Skin Irrit. 2 H315 Skin Sens. 1 H317 Eye Irrit. 2 H319 Acute Tox. 4 H332 Resp. Sens. 1 H334 STOT SE 3 H335 Carc. 2 H351 STOT RE 2 H373	GHS08 GHS07
o-(p-isocyanatobenzyl)phenyl isocyanate	5873-54-1	227-534-9 01-2119480143-45-XXXX	5-10	Skin Irrit. 2 H315 Skin Sens. 1 H317 Eye Irrit. 2 H319 Acute Tox. 4 H332 Resp. Sens. 1 H334 STOT SE 3 H335	GHS08 GHS07



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				Carc. 2 H351 STOT RE 2 H373	
2,2'-methylenediphenyl diisocyanate	2536-05-2	219-799-4 01-2119927323-43-XXXX	0.1-1	Skin Irrit. 2 H315 Skin Sens. 1 H317 Eye Irrit. 2 H319 Acute Tox. 4 H332 Resp. Sens. 1 H334 STOT SE 3 H335 Carc. 2 H351 STOT RE 2 H373	GHS08 GHS07
Isophthaloyl dichloride	99-63-8	202-774-7 01-2119493993-19-XXXX	0.1-1	Acute Tox. 4 H312 Skin Corr. 1A H314 Eye Dam. 1 H318 Acute Tox. 3 H331	GHS06 GHS05 GHS07

HAZARDOUS INGREDIENT(S)	CAS No.	Specific Concentration Limit		M-factor	ATE
Prepolymer based on aromatic polyisocyanate	67815-87-6				Acute Tox. 4 (H332): 11.000
4,4'-methylenediphenyl diisocyanate	101-68-8	Skin Irrit. 2	C>= 5.00 <= 100.00		Acute Tox. 4 (H332): 11.000
		Eye Irrit. 2	C>= 5.00 <= 100.00		
		Resp. Sens. 1	C>= 0.10 <= 100.00		
		STOT SE 3	C>= 5.00 <= 100.00		
Isocyanic acid, polymethylenepolyphenylene ester	9016-87-9				Acute Tox. 4 (H332): 11.000
o-(p-isocyanatobenzyl)phenyl isocyanate	5873-54-1	Skin Irrit. 2	C>= 5.00 <= 100.00		Acute Tox. 4 (H332): 11.000
		Eye Irrit. 2	C>= 5.00 <= 100.00		
		Resp. Sens. 1	C>= 0.10 <= 100.00		
		STOT SE 3	C>= 5.00 <= 100.00		
2,2'-methylenediphenyl diisocyanate	2536-05-2	Skin Irrit. 2	C>= 5.00 <= 100.00		Acute Tox. 4 (H332): 11.000
		Eye Irrit. 2	C>= 5.00 <= 100.00		
		Resp. Sens. 1	C>= 0.10 <= 100.00		
		STOT SE 3	C>= 5.00 <= 100.00		
Isophthaloyl dichloride	99-63-8				Acute Tox. 4 (H312): 1100.000 Acute Tox. 3 (H331): 3.000

Contains no non-classified vPvB substances or substances with a Union workplace exposure limit.
For full text of H/P Statements see section 16.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation	Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTRE/doctor.
Skin Contact	Take off contaminated clothing and wash it before reuse. 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. Get medical advice/attention if you feel unwell. If eye irritation persists: Get medical advice/attention.
Ingestion	Wash out mouth with water. If symptoms persist, obtain medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Harmful if inhaled. 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 Extinguish with carbon dioxide, dry chemical, foam or waterspray.



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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, Oxides of nitrogen, Isocyanate vapour, Hydrogen cyanide

5.3 Advice for firefighters

Fire fighters should wear complete protective clothing including self-contained breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation. Ensure full personal protection (including respiratory protection) during removal of spillages. Contaminated work clothing should not be allowed out of the workplace. Do not breathe vapour. Wear protective gloves/protective clothing/eye protection/face protection. Wash hands and exposed skin thoroughly after handling.

6.2 Environmental precautions

Do not allow to enter drains, sewers or watercourses.

6.3 Methods and material for containment and cleaning up

Absorb 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.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Contaminated work clothing should not be allowed out of the workplace. Avoid contact with skin and eyes. Do not breathe vapour. Wear protective gloves/protective clothing/eye protection/face protection. In case of inadequate ventilation wear respiratory protection. Wash hands and exposed skin thoroughly after handling.

7.2 Conditions for safe storage, including any incompatibilities

Store locked up. Store in a well-ventilated place. Keep container tightly closed.

Storage temperature

Ambient.

Storage life

Stable under normal conditions.

Incompatible materials

Acids, Alkalis, Strong oxidising agents, Amines, Alcohols

7.3 Specific end use(s)

Adhesives.

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
4,4'-methylenediphenyl diisocyanate	101-68-8		0.02		0.07	Sen

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

Remark Sen Notes Capable of causing occupational asthma.

Biological Exposure Indices

Substances	CAS Number	Sampling	Tissues	Control parameters	Biological monitoring guidance value	Comments
Isocyanates (applies to HDI, IPDI, TDI and MDI)	101-68-8	1 µmol isocyanate-derived diamine/mol creatinine in urine	At the end of the period of exposure			
Isocyanates (applies to HDI, IPDI, TDI and MDI)	5873-54-1	1 µmol isocyanate-derived diamine/mol creatinine in urine	At the end of the period of exposure			



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Isocyanates (applies to HDI, IPDI, TDI and MDI)	2536-05-2	1 µmol isocyanate-derived diamine/mol creatinine in urine	At the end of the period of exposure			
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8.2 Exposure controls

8.2.1. Appropriate engineering controls Use with ventilation, local exhaust ventilation or breathing protection. A washing facility/water for eye and skin cleaning purposes should be present.

8.2.2. Personal protection equipment



Eye Protection

Wear eye protection with side protection (EN166).



Skin protection

Wear protective clothing and gloves: Impervious gloves (EN 374).
When prolonged or frequently repeated contact may occur, a glove with a protection class of 5 or higher (breakthrough time greater than 240 minutes according to EN374) is recommended. When only brief contact is expected, a glove with a protection class of 3 or higher (breakthrough time greater than 60 minutes according to EN374) is recommended.



Respiratory protection

Recommended: Butyl rubber, Nitrile rubber, Neoprene.
thickness of coating : >0.35mm
Wear suitable respiratory protective equipment if exposure to levels above the occupational exposure limit is likely.
Handling of larger amounts : A suitable mask with filter type A (EN14387 or EN405) may be appropriate.



Thermal hazards

Not applicable.

8.2.3. Environmental Exposure Controls Do not allow to enter drains, sewers or watercourses.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state	Liquid.
Colour	Dark brown.
Odour	Musty .
Melting point/freezing point	0°C
Boiling point or initial boiling point and boiling range	208°C @ 1.013hPa
Flammability	Not known.
Lower and upper explosion limit	Not known.
Flash Point	>205°C
Auto-ignition temperature	Not known.
Decomposition Temperature	Not known.
pH	Not known.
Kinematic Viscosity	Not known.
Solubility	Solubility (Water) : Immiscible with water. Solubility (Other) : Not known.
Partition coefficient n-octanol/water (log value)	Not known.
Vapour pressure	Not known.
Density and/or relative density	Density (g/ml) : 1.14g/cm ³ @ 20°C
Relative vapour density	Not known.
Particle characteristics	Not known.

9.2 Other information

None.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity



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- Stable under normal conditions.
- 10.2 Chemical Stability**
- Polymerises at about 200 °C with evolution of CO₂.
- 10.3 Possibility of hazardous reactions**
- Exothermic reaction with amines and alcohols. Reacts with water forming carbon dioxide.
- 10.4 Conditions to avoid**
- None anticipated.
- 10.5 Incompatible materials**
- Acids, Alkalis, Strong oxidising agents, Amines, Alcohols
- 10.6 Hazardous decomposition products**
- No hazardous decomposition products known.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity - Ingestion	Not classified.
Acute toxicity - Skin Contact	Not classified.
	Calculated acute toxicity estimate (ATE) Calc ATE - 122222.22000
Acute toxicity - Inhalation	Harmful if inhaled. No data.
	Calculated acute toxicity estimate (ATE) Calc ATE - 10.74000
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	May cause allergy or asthma symptoms or breathing difficulties if inhaled. No data.
Germ cell mutagenicity	Not classified.
Carcinogenicity	Suspected of causing cancer. No data.
Reproductive toxicity	Not classified.
Lactation	Not classified
STOT - single exposure	May cause respiratory irritation. No data.
STOT - repeated exposure	May cause damage to organs through prolonged or repeated exposure. No data.
Aspiration hazard	Not classified.

11.2 Information on other hazards

Not known.

11.2.1 Endocrine disrupting properties

None known.

11.2.2 Other information

None known.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Toxicity - Aquatic invertebrates	Low toxicity to invertebrates.
Toxicity - Fish	Low toxicity to fish.
Toxicity - Algae	Low toxicity to algae.
Toxicity - Sediment Compartment	Not classified.
Toxicity - Terrestrial Compartment	Not classified.

12.2 Persistence and degradability

Part of the components is not biodegradable.

12.3 Bioaccumulative potential

The product has no potential for bioaccumulation.

12.4 Mobility in soil

Immiscible with water. The product is predicted to have low mobility in soil.

12.5 Results of PBT and vPvB assessment

Not classified as PBT or vPvB.

12.6 Endocrine disrupting properties

None known.



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12.7 Other adverse effects

Isocyanate reacts with water at the interface forming CO₂ and a solid insoluble product with high melting point (polyurea). This reaction is accelerated by surfactants (e.g. detergents) or by watersoluble solvents. Previous experience shows that polyurea is inert and non-degradable.

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.

SECTION 14: TRANSPORT INFORMATION

Not classified as hazardous for transport.

14.1 UN number or ID 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 classified as a Marine Pollutant.

14.6 Special precautions for user

Not known

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

REACH: ANNEX XIV list of substances subject to authorisation

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 (EU) N° 2019/1021 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

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4,4'-Methylenediphenyl diisocyanate (101-68-8), 2,4'-Methylenediphenyl diisocyanate (5873-54-1), 2,2'-Methylenediphenyl diisocyanate (2536-05-2), Prepolymer based on aromatic polyisocyanate (67815-87-6), Isocyanic acid, polymethylenepolyphenylene ester (9016-87-9), Isophthaloyl dichloride (99-63-8)

4,4'-methylenediphenyl diisocyanate (101-68-8)

Not listed

Not listed

Not listed

Not listed

Not listed

Not listed

WGK number : 1(Low hazard to water)

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

**Gorilla Glue**

Hazard Pictogram(s)



GHS08

GHS05: GHS: Corrosion
GHS06: GHS: Skull and crossbones

GHS07

Hazard classification

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. 1 : Skin sensitization, Category 1
Eye Dam. 1 : Serious eye damage/irritation, Category 1
Eye Irrit. 2 : Serious eye damage/irritation, Category 2
Acute Tox. 3 : Acute toxicity, Category 3
Resp. Sens. 1 : Respiratory sensitization, Category 1
STOT SE 3 : Specific target organ toxicity — single exposure, Category 3
Carc. 2 : Carcinogenicity, Category 2
STOT RE 2 : Specific target organ toxicity — repeated exposure, Category 2

Hazard Statement(s)

H312: Harmful 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.
H332: Harmful if inhaled.
H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335: May cause respiratory irritation.
H351: Suspected of causing cancer.
H373: May cause damage to organs through prolonged or repeated exposure.
EUH204: Contains isocyanates. May produce an allergic reaction.

Precautionary Statement(s)

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P201: Obtain special instructions before use.
P202: Do not handle until all safety precautions have been read and understood.
P260: Do not breathe vapour.
P261: Avoid breathing vapours.
P264: Wash hands and exposed skin thoroughly after handling.
P271: Use only outdoors or in a well-ventilated area.
P272: Contaminated work clothing should not be allowed out of the workplace.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P284: In case of inadequate ventilation wear respiratory protection.
P302+P352: IF ON SKIN: Wash with plenty of water.
P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313: IF exposed or concerned: Get medical advice/attention.
P312: Call a POISON CENTRE/doctor if you feel unwell.
P314: Get medical advice/attention if you feel unwell.
P332+P313: If skin irritation occurs: Get medical advice/attention.
P333+P313: If skin irritation or rash occurs: Get medical advice/attention.



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P337+P313: If eye irritation persists: Get medical advice/attention.
P342+P311: If experiencing respiratory symptoms: Call a POISON CENTRE/doctor.
P362+P364: Take off contaminated clothing and wash it before reuse.
P403+P233: Store in a well-ventilated place. Keep container tightly closed.
P405: Store locked up.
P501: Dispose of contents in accordance with local, state or national legislation.

Acronyms

ATE : Acute Toxicity Estimate
CAS : Chemical Abstracts Service
CLP : Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
DNEL : Derived No Effect Level
EC : European Community
EINECS : European Inventory of Existing Commercial Chemical Substances
LTEL : Long term exposure limit
PBT : Persistent, Bioaccumulative and Toxic
PNEC : Predicted No Effect Concentration
REACH : Registration, Evaluation, Authorisation and Restriction of Chemicals
STEL : Short term exposure limit
STOT : Specific Target Organ Toxicity
vPvB : very Persistent and very Bioaccumulative

Key literature references and sources for data used to compile the SDS Regulation (EC) No. 1272/2008 (CLP)

Disclaimers

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