

SAFETY DATA SHEET – Gorilla Weld - Hardener

Date Revised: 9/2/2017

Version 1.0



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 Weld (Hardener).
CAS No. Mixture.
EC No. Mixture.
REACH Registration No. Mixture.

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

Identified Use(s) Adhesive.

Uses Advised Against None known.

1.3 Details of the supplier of the safety data sheet

Company Identification Gorilla Glue Europe Ltd.
Address of Manufacturer Chorley Business & Technology Centre
East Terrace
Euxton Lane
Chorley, United Kingdom.

Postal code PR7 6TE

Telephone: 01257 241319

Fax 01257 273820

E-mail eusales@gorillaglu.com

1.4 Emergency telephone number

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

National response center
Address National Poisons Information Service (Birmingham Centre)
City Hospital
Dudley Road,
Birmingham,
United Kingdom

Emergency Phone No. +00 448 706 006 266 NHS Direct - 0845 4647 / 111

2. SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Regulation (EC) No. 1272/2008 (CLP) Eye Irrit. 2: Causes serious eye irritation.
Flam. Liq. 2: Highly flammable liquid and vapour.
Skin Irrit. 2: Causes skin irritation.
Skin Sens. 1: May cause an allergic skin reaction.
STOT SE 3: May cause respiratory irritation.

2.2 Label elements

Product Name According to Regulation (EC) No. 1272/2008 (CLP)
Gorilla Weld (Hardener).

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Hazard Pictogram(s)



GHS02



GHS07

Signal Word(s)

Danger.

Hazard Statement(s)

H225: Highly flammable liquid and vapour.
 H315: Causes skin irritation.
 H317: May cause an allergic skin reaction.
 H319: Causes serious eye irritation.
 H335: May cause respiratory irritation.

Precautionary Statement(s)

P102: Keep out of reach of children.
 P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P261: Avoid breathing vapours.
 P280: Wear protective gloves/protective clothing/eye protection/face protection.
 P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
 P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P370+P378: In case of fire: Use water spray, dry powder or carbon dioxide to extinguish.

2.3 Other hazards

None known.

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

HAZARDOUS INGREDIENT(S)	CAS No.	EC No. / REACH Registration No.	%W/W	Hazard Statement(s)	Hazard Pictogram(s)
Methyl methacrylate	80-62-6	201-297-1 / 01-2119452498-28-0000	60-100	Flam. Liq. 2 H225 Skin Irrit. 2 H315 Skin Sens. 1 H317 STOT SE 3 H335	GHS02 GHS07
2-Propenoic acid, 2-methyl-, methyl ester, polymer with 1,3-butadiene and ethenylbenzene	25053-09-2	607-511-3	5-10	Skin Irrit. 2 H315 Skin Sens. 1 H317 Eye Irrit. 2 H319	GHS07

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3,5-diethyl-1,2-dihydro-1-phenyl-2-propylpyridine	34562-31-7	252-091-3	1-5	Acute Tox. 4 H302 Acute Tox. 4 H312 Skin Irrit. 2 H315 Eye Irrit. 2 H319 STOT SE 3 H335	GHS07
Silica, amorphous, fumed, cryst.-free	112945-52-5	601-216-3	0.1-1	Skin Irrit. 2 H315 Eye Irrit. 2 H319 STOT SE 3 H335	GHS07
2,6-di-tert-butyl-p-cresol	128-37-0	204-881-4 / 01-2119480433- 40-0000	0.1-1	Aquatic Chronic 1 H410	GHS09
Disodium 2,2'(or 3,3')-oxybis[5(or 2)-dodecylbenzenesulphonate]	25167-32-2	246-688-8	0.1-1	Eye Dam. 1 H318 Aquatic Chronic 2 H411	GHS05 GHS09
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	14807-96-6	238-877-9	< 0.1	Not classified	
2-aminoethanol	141-43-5	205-483-3 / 01-2119486455- 28-0000	< 0.1	Acute Tox. 4 H302 Acute Tox. 4 H312 Skin Corr. 1B H314 Acute Tox. 4 H332	GHS07 GHS05

2,2'-iminodiethanol diethanolamine	111-42-2	203-868-0 / 01-2119488930- 28-0000	< 0.1	Acute Tox. 4 H302 Skin Irrit. 2 H315 Eye Dam. 1 H318 STOT RE 2 H373	GHS07 GHS08 GHS05
4-vinylcyclohexene	100-40-3	202-848-9 / 01-2119946539- 23-0000	< 0.1	Carc. 2 H351	GHS08
n-butyl acrylate	141-32-2	205-480-7 / 01-2119453155- 43-0000	< 0.1	Flam. Liq. 3 H226 Skin Irrit. 2 H315 Skin Sens. 1 H317 Eye Irrit. 2 H319 STOT SE 3 H335	GHS02 GHS07
Oxine-copper	10380-28-6	233-841-9	< 0.1	Skin Irrit. 2 H315 Eye Irrit. 2 H319 Acute Tox. 1 H330 Aquatic Acute 1 H400	GHS07 GHS06 GHS09

4. SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

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Inhalation	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.
Skin Contact	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation or rash occurs: Get medical advice/attention.
Eye Contact	IF IN EYES: 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.
4.2 Most important symptoms and effects, both acute and delayed	None anticipated.
4.3 Indication of any immediate medical attention and special treatment needed	Unlikely to be required but if necessary treat symptomatically.

5. SECTION 5: FIREFIGHTING MEASURES

Highly flammable liquid and vapour.

5.1 Extinguishing media

Suitable Extinguishing media Use water spray, dry powder or carbon dioxide to extinguish.

Unsuitable extinguishing media None known.

5.2 Special hazards arising from the substance or mixture

May decompose in a fire giving off toxic fumes. Vapours may form explosive mixture with air.

5.3 Advice for firefighters

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

6. SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation. Avoid breathing vapours. Wear protective gloves/protective clothing/eye protection/face protection. Contaminated work clothing should not be allowed out of the workplace. Take off contaminated clothing and wash it before reuse.

6.2 Environmental precautions

Do not allow to enter drains, sewers or watercourses. Do not contaminate ponds, waterways or ditches with chemical or used container.

6.3 Methods and material for containment and cleaning up

Adsorb spillages onto sand, earth or any suitable adsorbent material. Dispose of contents/container to: Suitable refuse site.

6.4 Reference to other sections

See Also Section 8, 13.

7. SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Use only outdoors or in a well-ventilated area. Avoid breathing vapours. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use explosion-proof

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electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Wear protective gloves/protective clothing/eye protection/face protection. Wash hands thoroughly after handling.

7.2 Conditions for safe storage, including any incompatibilities

Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up. Keep out of reach of children and animals.

Storage temperature

Ambient.

Storage life

Stable under normal conditions.

Incompatible materials

Strong oxidising agents.

7.3 Specific end use(s)

Adhesive.

8. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.1.1 Occupational Exposure Limits

Substances	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	0	10	0	0	
2-Aminoethanol	141-43-5	1	2.5	3	7.6	Sk
2-Aminoethanol	141-43-5	1	2.5	3	7.6	IOELV, Skin
Talc (Respirable Dust)	14807-96-6	0	1	0	0	
n-Butyl acrylate	141-32-2	1	5	5	26	
n-Butyl acrylate	141-32-2	2	11	10	53	IOELV
Methyl methacrylate	80-62-6	50	208	100	416	
Methyl methacrylate	80-62-6	50		100		IOELV
Oxine-copper	10380-28-6	0	1	0	2	

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

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 Value.

Skin: The possibility of significant uptake through the skin.

8.2 Exposure controls

8.2.1. Appropriate engineering controls

Use non-sparking ventilation systems, approved explosion-proof equipment, and intrinsically safe electrical systems. Ensure adequate ventilation. A washing facility/water for eye and skin cleaning purposes should be present.

8.2.2. Personal protection equipment

Wear eye protection with side protection (EN166).



Eye Protection

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Skin protection



Respiratory protection



Thermal hazards

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

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

Not applicable.

8.2.3. Environmental Exposure Controls

Do not allow to enter drains, sewers or watercourses. Do not contaminate ponds, waterways or ditches with chemical or used container.

9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Black.
Odour	Slight smell of acrylic.
Odour threshold	Not established.
pH	Not available.
Melting point/freezing point	Not available.
Initial boiling point and boiling range	100 °C
Flash Point	8.9 °C [Closed cup]
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	Not available.
Vapour pressure	Not available.
Vapour density	Not available.
Density (g/ml)	Not available.
Relative density	0.979 g/cm ³
Solubility(ies)	Solubility (Water) : Not known. Solubility (Other) : Not known.
Partition coefficient: n-octanol/water	Not available.
Auto-ignition temperature	Not available.
Decomposition Temperature (°C)	Not available.
Viscosity	Not available.
Explosive properties	Not explosive.
Oxidising properties	Not oxidising.

9.2 Other information

None.

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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

Keep away from fire, sparks and heated surfaces.

10.5 Incompatible materials

Strong oxidising agents.

10.6 Hazardous decomposition products

No hazardous decomposition products known.

11. SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity

Low acute toxicity.

Skin corrosion/irritation

Causes skin irritation. No data.

Serious eye damage/irritation

Causes serious eye irritation. No data.

Skin sensitisation data

May cause an allergic skin reaction. No data.

Respiratory sensitisation data

Not classified.

Germ cell mutagenicity

There is no evidence of mutagenic potential.

Carcinogenicity

No evidence of carcinogenicity.

Reproductive toxicity

Not classified.

Lactation

Not classified.

STOT - single exposure

May cause respiratory irritation. No data.

STOT - repeated exposure

None anticipated.

Aspiration hazard

Not classified.

11.2 Other information

Not known.

12. SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Low toxicity to aquatic organisms.

12.2 Persistence and Degradation

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

Not classified as PBT or vPvB.

12.6 Other adverse effects

Not known.

13. SECTION 13: DISPOSAL CONSIDERATIONS

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13.1 Waste treatment methods

Send to a licensed recycler, reclaimer or incinerator.

13.2 Additional Information

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

14. SECTION 14: TRANSPORT INFORMATION

14.1 IATA

UN number UN 1993
UN proper shipping name Flammable liquid, N.O.S.
(METHYL METHACRYLATE)
Transport hazard class(es) 3
Packing group II

Labels



Flammable Liquids

Packing instruction (cargo aircraft) 364
Packing instruction (passenger aircraft) 353

14.2 IMDG

UN number UN 1993
UN proper shipping name FLAMMABLE LIQUID, N.O.S.
(METHYL METHACRYLATE)
Transport hazard class(es) 3
Packing group II
Labels 3
EmS Code F-E, S-E

14.5 Environmental hazards
Marine pollutant no

14.3 ADR

UN number UN 1993
UN proper shipping name FLAMMABLE LIQUID, N.O.S.
(METHYL METHACRYLATE)
Transport hazard class(es) 3
Packing group II
Labels 3
Environmental hazards
Environmentally hazardous no

14.4 RID

UN number UN 1993
UN proper shipping name FLAMMABLE LIQUID, N.O.S.
(METHYL METHACRYLATE)

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Transport hazard class(es) 3
Packing group II
Labels 3
Environmental hazards

Environmentally hazardous no

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

Not applicable for product as supplied.

15. 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 Not listed.

High Concern for Authorisation

REACH: ANNEX XIV list of substances Not listed.

subject to authorisation

REACH: Annex XVII Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles
Listed: Methyl methacrylate (CAS No.: 80-62-6),
4-vinylcyclohexene (CAS No.: 100-40-3)

Community Rolling Action Plan (CoRAP)
Listed: 2,6-di-tert-butyl-p-cresol (CAS No.: 128-37-0),
2-aminoethanol (CAS No.: 141-43-5), n-butyl acrylate (CAS No.: 141-32-2),
Methyl methacrylate (CAS No.: 80-62-6)

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

Regulation (EC) N° 2037/2000 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.

16. SECTION 16: OTHER INFORMATION

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

LEGEND

Hazard Pictogram(s)

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GHS02



GHS07

Hazard Statement(s)

GHS09: GHS: fish and tree
GHS05: GHS: corrosive
GHS08: GHS: health hazard
GHS06: GHS: skull and crossbones

H225: Highly flammable liquid and vapour.
H226: Flammable liquid and vapour.
H302: Harmful if swallowed.
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.
H330: Fatal if inhaled.
H332: Harmful if inhaled.
H335: May cause respiratory irritation.
H351: Suspected of causing cancer.
H373: May cause damage to organs through prolonged or repeated exposure.
H400: Very toxic to aquatic life.
H410: Very toxic to aquatic life with long lasting effects.
H411: Toxic to aquatic life with long lasting effects.

Precautionary Statement(s)

P233: Keep container tightly closed.
P241: Use explosion-proof electrical/ventilating/lighting/equipment.
P242: Use only non-sparking tools.
P243: Take precautionary measures against static discharge.
P264: Wash hands 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.
P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312: Call a POISON CENTER/doctor if you feel unwell.
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.
P403+P235: Store in a well-ventilated place. Keep cool.
P405: Store locked up.
P501: Dispose of contents/container to: Suitable refuse site.

Acronyms

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR: European Agreement concerning the International Carriage of Dangerous

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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

EINECS: European Inventory of Existing Commercial Chemical Substances

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

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 available.