Safety Data Sheet - Gorilla Glue

Date Issued: 08/10/2014

Version: 1.0

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

According to Regulation (EC) No. 453/2010

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product Name : Gorilla Glue
Synonyms : Polyurethane Adhesive

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

1.2.1. Relevant identified uses

Use of the substance/mixture : Consumer Adhesives for building, carpentry, or hobby projects.

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Company
Gorilla Glue Europe A/S
Chorley Business & Technology Centre
East Terrace Euxton Lane
Chorley PR7 6TE
+44 (0) 1257 241319
web: www.gorillatough.com
email: eusales@gorillaglue.com

1.4. Emergency telephone number

Emergency number : 1-651-603-3429 (Prosar)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 4 (Inhalation:dust,mist)	H332
Skin Irrit. 2	H315
Eye Irrit. 2	H319
Resp. Sens. 1	H334
Skin Sens. 1	H317
Carc. 2	H351
STOT SE 3	H335
STOT RE 2	H373

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC or 1999/45/EC

Xi; R36/37/38
Xn; R48/20/21/22
R42
R43
Xn; R20
Carc.Cat.3; R40
Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :

GHS07

GHS08

Signal word (CLP) : Danger
Hazardous ingredients : Aromatic polyisocyanate, Isocyanic acid, polymethylenepolyphenylene ester, 4,4'-

Methylenediphenyl diisocyanate, Benzene, 1,1'-methylenebis[isocyanato-

Hazard statements (CLP) : 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

Precautionary statements (CLP) : P260 - Do not breathe vapours, mist, spray, fume.
P280 - Wear eye protection, protective clothing, protective gloves, 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.
P501 - Dispose of contents/container according to local, regional, national, and international regulations.

EUH phrases : EUH204 - Contains isocyanates. May produce an allergic reaction.

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification according to Directive 67/548/EEC
Isocyanic acid, polymethylenepolyphenylene ester, polymer with 1,2-ethanediamine, methyloxirane and 1,2-propanediol	(CAS No) 67815-87-6	50 - 60	R42 R43
4,4'-Methylenediphenyl diisocyanate	(CAS No) 101-68-8 (EC no) 202-966-0 (EC index no) 615-005-00-9	15 - 25	Xn; R20 Xn; R48/20 Xi; R36/37/38 Carc.Cat.3; R40 R42 R43
Isocyanic acid, polymethylenepolyphenylene ester	(CAS No) 9016-87-9 (EC no) 618-498-9	10 - 20	T+; R26 Xi; R36/37/38 R42 Xn; R48/20/21/22
Benzene, 1,1'-methylenebis[isocyanato-	(CAS No) 26447-40-5 (EC no) 247-714-0 (EC index no) 615-005-00-9	1 - 5	Xn; R20 Xn; R48/20 Xi; R36/37/38 Carc.Cat.3; R40 R42 R43

Name	Product identifier	Specific concentration limits
4,4'-Methylenediphenyl diisocyanate	(CAS No) 101-68-8 (EC no) 202-966-0 (EC index no) 615-005-00-9	(C >= 0,1) R42 (C >= 5) Xi;R36/37/38

Name	Product identifier	%	Classification according to Directive 67/548/EEC
Benzene, 1,1'-methylenebis[isocyanato-	(CAS No) 26447-40-5 (EC no) 247-714-0 (EC index no) 615-005-00-9		(C >= 0,1) R42 (C >= 5) Xi;R36/37/38

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Isocyanic acid, polymethylenepolyphenylene ester, polymer with 1,2-ethanediamine, methyloxirane and 1,2-propanediol	(CAS No) 67815-87-6	50 - 60	Resp. Sens. 1, H334 Skin Sens. 1, H317
4,4'-Methylenediphenyl diisocyanate	(CAS No) 101-68-8 (EC no) 202-966-0 (EC index no) 615-005-00-9	15 - 25	Acute Tox. 4 (Inhalation:dust,mist), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Resp. Sens. 1, H334 Skin Sens. 1, H317 Carc. 2, H351 STOT SE 3, H335 STOT RE 2, H373
Isocyanic acid, polymethylenepolyphenylene ester	(CAS No) 9016-87-9 (EC no) 618-498-9	10 - 20	Acute Tox. 2 (Inhalation:dust,mist), H330 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Resp. Sens. 1, H334 STOT SE 3, H335 STOT RE 2, H373
Benzene, 1,1'-methylenebis[isocyanato-	(CAS No) 26447-40-5 (EC no) 247-714-0 (EC index no) 615-005-00-9	1 - 5	Acute Tox. 2 (Inhalation:dust,mist), H330 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Resp. Sens. 1, H334 Skin Sens. 1, H317 Carc. 2, H351 STOT SE 3, H335 STOT RE 2, H373

Name	Product identifier	Specific concentration limits
4,4'-Methylenediphenyl diisocyanate	(CAS No) 101-68-8 (EC no) 202-966-0 (EC index no) 615-005-00-9	(C >= 0,1) Resp. Sens. 1, H334 (C >= 5) Eye Irrit. 2, H319 (C >= 5) Skin Irrit. 2, H315 (C >= 5) STOT SE 3, H335
Benzene, 1,1'-methylenebis[isocyanato-	(CAS No) 26447-40-5 (EC no) 247-714-0 (EC index no) 615-005-00-9	(C >= 0,1) Resp. Sens. 1, H334 (C >= 5) Eye Irrit. 2, H319 (C >= 5) Skin Irrit. 2, H315 (C >= 5) STOT SE 3, H335

Full text of R- and H-phrases: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label if possible).

First-aid measures after inhalation : Using proper respiratory protection, immediately move the exposed person to fresh air. Seek medical attention immediately.

First-aid measures after skin contact : Remove contaminated clothing. Gently wash with plenty of soap and water followed by rinsing with water for at least 15 minutes. Call a POISON CENTER or doctor/physician if you feel unwell. Wash contaminated clothing before reuse.

First-aid measures after eye contact : Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention.

First-aid measures after ingestion : Rinse mouth. Do not induce vomiting. Immediately call a POISON CENTER or doctor.

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

Symptoms/injuries : Harmful if inhaled. Exposure may produce an allergic reaction. Irritation to eyes, skin and respiratory tract. Inhalation may cause allergic respiratory reaction with asthma-like symptoms and difficulty breathing.

Symptoms/injuries after inhalation : Harmful if inhaled. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation.

Symptoms/injuries after skin contact : Causes skin irritation. Exposure may produce an allergic reaction.

Symptoms/injuries after eye contact : Causes serious eye irritation.

Symptoms/injuries after ingestion : Ingestion is likely to be harmful or have adverse effects.

Chronic symptoms : May cause damage to organs through prolonged or repeated exposure. Suspected of causing cancer.

4.3. Indication of any immediate medical attention and special treatment needed

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

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Carbon dioxide, dry powder, and foam. In cases of large scale fires, alcohol-resistant foams are preferred. If water is used, it should be used in very large quantities and from a safe distance. The reaction between water and isocyanate may be vigorous.

Unsuitable extinguishing media : When using large quantities of water, do not use a heavy stream. Use of a heavy stream of water may spread fire.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Not flammable.

Explosion hazard : Product is not explosive.

Reactivity : Exothermic reaction with amines and alcohols; reacts with water forming heat, CO_2, and insoluble polyurea. The combined effect of CO_2 and heat can produce enough pressure to rupture a closed container.

5.3. Advice for firefighters

Precautionary measures fire : Exercise caution when fighting any chemical fire.

Firefighting instructions : Do not allow run-off from fire fighting to enter drains or water courses. Down-wind personnel must be evacuated. Do not reseal contaminated containers; a chemical reaction generating carbon dioxide gas pressure may occur resulting in rupture of the container. Dense smoke is emitted when product is burned without sufficient oxygen. When using water spray, boil-over may occur when product temperature reaches the boiling point of water, and the reaction forming carbon dioxide will accelerate. MDI vapor and other gases may be generated by thermal decomposition.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Do not get in eyes, on skin, or on clothing.

6.1.1. For non-emergency personnel

Protective equipment : Use appropriate personal protection equipment (PPE).

Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

Emergency procedures : Ventilate area. Stop leak if safe to do so.

6.2. Environmental precautions

Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up

For containment : Absorb and/or contain spill with inert material, then place in suitable container.

Methods for cleaning up : Remove mechanically but cautiously as this process can generate heat; cover remainders with wet absorbent material (e. g. sand, earth, sawdust). After approx. 15 min. transfer to waste container and do not seal (evolution of CO_2). Keep damp in a safe ventilated area for several days. Clear up spills immediately and dispose of waste safely.

6.4. Reference to other sections

See Section 8 for Exposure Controls and Personal Protection. See Section 13 for Disposal Consideration.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Hygiene measures : Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work. Use only outdoors or in a well-ventilated area.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a dry, cool and well-ventilated place and in accordance with national regulations. Keep container tightly closed when not in use. Store away from incompatible materials. Store locked up. Keep product away from sources of heat, and alcohols, amines, or other materials that react with isocyanates. Keep out of reach of children and animals.

Incompatible products : Strong acids, strong bases, strong oxidizers, amines, alcohols.

7.3. Specific end use(s)

Consumer Adhesives for building, carpentry, or hobby projects.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Isocyanic acid, polymethylenepolyphenylene ester (9016-87-9)		
Germany	TRGS 900 Occupational exposure limit value (mg/m³)	0,05 mg/m³ (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)

4,4'-Methylenediphenyl diisocyanate (101-68-8)		
Austria	MAK (mg/m³)	0,05 mg/m³
Austria	MAK (ppm)	0,005 ppm
Austria	MAK Short time value (mg/m³)	0,1 mg/m³
Austria	MAK Short time value (ppm)	0,01 ppm
Belgium	Limit value (mg/m³)	0,052 mg/m³
Belgium	Limit value (ppm)	0,005 ppm
France	VLE (mg/m³)	0,2 mg/m³
France	VLE (ppm)	0,02 ppm
France	VME (mg/m³)	0,1 mg/m³
France	VME (ppm)	0,01 ppm
Germany	TRGS 900 Occupational exposure limit value (mg/m³)	0,05 mg/m³ (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
Italy - Portugal - USA ACGIH	ACGIH TWA (ppm)	0,005 ppm
Spain	VLA-ED (mg/m³)	0,052 mg/m³
Spain	VLA-ED (ppm)	0,005 ppm
Czech Republic	Expoziční limity (PEL) (mg/m³)	0,05 mg/m³

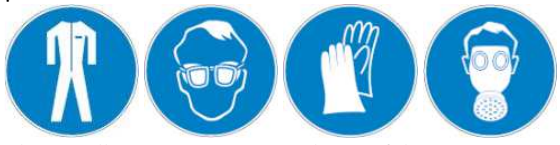
4,4'-Methylenediphenyl diisocyanate (101-68-8)		
Denmark	Grænseværdie (langvarig) (mg/m³)	0,05 mg/m³
Denmark	Grænseværdie (langvarig) (ppm)	0,005 ppm
Hungary	AK-érték	0,05 mg/m³
Hungary	CK-érték	0,05 mg/m³
Ireland	OEL (8 hours ref) (mg/m³)	0,02 mg/m³
Ireland	OEL (15 min ref) (mg/m3)	0,07 mg/m³
Lithuania	NRV (mg/m³)	0,1 mg/m³
Lithuania	NRV (ppm)	0,01 ppm
Poland	NDS (mg/m³)	0,03 mg/m³
Poland	NDSCh (mg/m³)	0,09 mg/m³
Poland	NDSP (mg/m³)	0,2 mg/m³
Slovakia	NPHV (priemerná) (mg/m³)	0,03 mg/m³ (Isocyanates)
Slovakia	NPHV (Hraničná) (mg/m³)	0,05 mg/m³
Sweden	nivågränsvärde (NVG) (mg/m³)	0,03 mg/m³
Sweden	nivågränsvärde (NVG) (ppm)	0,002 ppm
Sweden	takgränsvärde (TGV) (mg/m³)	0,05 mg/m³
Sweden	takgränsvärde (TGV) (ppm)	0,005 ppm
Portugal	OEL TWA (ppm)	0,005 ppm

Benzene, 1,1'-methylenebis[isocyanato- (26447-40-5)		
Austria	MAK Short time value (mg/m³)	0,1 mg/m³ (all isomers)
Austria	MAK Short time value (ppm)	0,01 ppm (all isomers)
Bulgaria	OEL TWA (mg/m³)	0,05 mg/m³
Bulgaria	OEL STEL (mg/m³)	0,07 mg/m³
Lithuania	IPRV (mg/m³)	0,05 mg/m³
Lithuania	IPRV (ppm)	0,005 ppm
Lithuania	NRV (mg/m³)	0,1 mg/m³
Lithuania	NRV (ppm)	0,01 ppm
Poland	NDS (mg/m³)	0,03 mg/m³
Poland	NDSCh (mg/m³)	0,09 mg/m³
Romania	OEL STEL (mg/m³)	0,15 mg/m³

8.2. Exposure controls

Appropriate engineering controls : Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Provide sufficient ventilation to keep vapors below permissible exposure limit. Ensure all national/local regulations are observed.

Personal protective equipment : Protective clothing. Safety glasses. Gloves. Insufficient ventilation: wear respiratory protection.



Materials for protective clothing : Chemically resistant materials and fabrics.

Hand protection : Wear chemically resistant protective gloves.

Eye protection : Chemical goggles or safety glasses.

Skin and body protection : Wear suitable protective clothing.

Respiratory protection : Use a NIOSH-approved respirator or self-contained breathing apparatus whenever exposure may exceed established Occupational Exposure Limits.

Other information : When using, do not eat, drink or smoke.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Brown.
Odour	: Earthy, musty.
Odour threshold	: No data available
pH	: Not applicable
Relative evaporation rate (butylacetate=1)	: No data available
Melting/Freezing point	: No data available
Boiling point	: 208 °C (406,40 °F)
Flash point	: > 93 °C Closed Cup (199,40 °F)
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: < 0.0001 mmHg at 25 °C (77 °F) for the isocyanate
Relative vapour density at 20 °C	: No data available
Relative density	: 1,14 (water = 1)
Density	: 1,14 g/cm³ at 20 °C (68 °F)
Solubility	: Insoluble in water.
Partition coefficient: n-octanol/water	: No data available
Viscosity	: 4000 - 7000 mPa.s at 25 °C (77 °F)
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: Not applicable

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Exothermic reaction with amines and alcohols; reacts with water forming heat, CO_2, and insoluble polyurea. The combined effect of CO_2 and heat can produce enough pressure to rupture a closed container.

10.2. Chemical stability

Stable under recommended handling and storage conditions (see section 7).

10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4. Conditions to avoid

Direct sunlight. Direct sunlight, heat, flames, and sparks. Protect from freezing.

10.5. Incompatible materials

Strong acids, strong bases, strong oxidizers, alcohols.

10.6. Hazardous decomposition products

Carbon oxides (CO, CO_2). Nitrogen compounds. Cyanides. Isocyanates.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Harmful if inhaled.

Gorilla Glue	
ATE CLP (dust,mist)	1,500 mg/l/4h

Isocyanic acid, polymethylenepolyphenylene ester (9016-87-9)	
LC50 inhalation rat (mg/l)	490 mg/m³ (Exposure time: 4 h)
ATE CLP (vapours)	490,000 mg/l/4h
ATE CLP (dust,mist)	0,490 mg/l/4h

4,4'-Methylenediphenyl diisocyanate (101-68-8)	
ATE CLP (dust,mist)	1,500 mg/l/4h

Benzene, 1,1'-methylenebis[isocyanato- (26447-40-5)	
LD50 oral rat	> 7400 mg/kg
LD50 dermal rabbit	> 6200 mg/kg
LC50 inhalation rat (mg/l)	0,369 mg/l/4h
ATE CLP (vapours)	0,369 mg/l/4h
ATE CLP (dust,mist)	0,369 mg/l/4h

Skin corrosion/irritation : Causes skin irritation.
Serious eye damage/irritation : Causes serious eye irritation.
Respiratory or skin sensitisation : May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.
Germ cell mutagenicity : Not classified
Carcinogenicity : Suspected of causing cancer.
Reproductive toxicity : Not classified
Specific target organ toxicity (single exposure) : May cause respiratory irritation.
Specific target organ toxicity (repeated exposure) : May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard : Not classified

SECTION 12: Ecological information

12.1. Toxicity

Benzene, 1,1'-methylenebis[isocyanato- (26447-40-5)	
NOEC (acute)	>= 1000 mg/kg (Exposure time: 14 Days - Species: Eisenia foetida [soil dry weight])

12.2. Persistence and degradability

Gorilla Glue	
Biodegradation	0 % after 28 days

12.3. Bioaccumulative potential

Gorilla Glue	
Bioaccumulative potential	Not expected to bioaccumulate.

Benzene, 1,1'-methylenebis[isocyanato- (26447-40-5)	
BCF fish 1	3 - 14
Log Pow	4,5

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Other information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Sewage disposal recommendations : Do not dispose of waste into sewer.
Waste disposal recommendations : Dispose of waste material in accordance with all local, regional, national, provincial, territorial and international regulations.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

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

Other information : No supplementary information available.

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:

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	Gorilla Glue
56. Methylenediphenyl diisocyanate (MDI)	4,4'-Methylenediphenyl diisocyanate
56.a. Methylenediphenyl diisocyanate (MDI) isomers: 4,4'-Methylenediphenyl diisocyanate	4,4'-Methylenediphenyl diisocyanate

Contains no REACH candidate substance

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Revision date : 08/10/2014

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006

Full text of R-, H- and EUH-phrases:

Acute Tox. 2 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 2
Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4
Carc. 2	Carcinogenicity, Category 2
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Resp. Sens. 1	Sensitisation — Respiratory, category 1
Skin Irrit. 2	Skin corrosion/irritation, Category 2

Skin Sens. 1	Sensitisation — Skin, category 1
STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H330	Fatal 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
R20	Harmful by inhalation
R26	Very toxic by inhalation
R36/37/38	Irritating to eyes, respiratory system and skin
R40	Limited evidence of a carcinogenic effect
R42	May cause sensitization by inhalation
R43	May cause sensitisation by skin contact
R48/20	Harmful: danger of serious damage to health by prolonged exposure through inhalation
R48/20/21/22	Harmful: danger of serious damage to health by prolonged exposure through inhalation, in contact with skin and if swallowed
T+	Very toxic
Xi	Irritant
Xn	Harmful

SDS EU (REACH Annex II)

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.