



# SAFETY DATA SHEET

## Gorilla Super Glue

### 1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY

Product name	Gorilla Super Glue		
Product type	Cyanoacrylate adhesive		
Intended use	Adhesive for wood, stone, metal, plastic, rubber, paper		
Supplier	Gorilla Glue Europe A/S Ibaek Strandvej 3 DK-7100 Vejle Denmark Tel: DK: +45 7572 2333 Fax: +45 7572 2207 UK: +44 (0) 844 745 1880 www.gorillatough.co.uk E-mail address: eusales@gorillaglu.com		
Emergency telephone	Gorilla Glue Europe A/S. The Gorilla Glue Company.	Tel: +45 7572 2333 Tel: 001 (513) 271-3300	

### 2. HAZARDS IDENTIFICATION

This preparation is classified as irritant. Irritating to the eyes, respiratory system and skin. Rapid polymerization occurs upon contact with water or alkaline substances. As a result, heat is generated. Skin inflammation or burns may occur upon contact during this polymerization.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Name	EINECS-no	CAS-no	Content	Symbol	R-phrases
Ethyl 2-cyanoacrylate	230-391-5	7085-85-0	86-100 %	Xi	R36/37/38

### 4. FIRST AID MEASURES

**General:** In all cases of doubt, or when symptoms persist, seek medical advice. Bring the Material Safety Data Sheet or label from the bottle. Never give anything by mouth to an unconscious person.

**Inhalation:** Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration. Give nothing by mouth. If unconscious place the person in recovery position. Seek medical attention.



**Eye contact:** Immediately flush eyes with water for at least 10 minutes while holding eyelids open. Do not attempt to pull apart bonded eyelid. Seek medical attention.

**Skin contact:** Immediately wash skin thoroughly with plenty of water and soap. Remove contaminated clothing. If skin reactions occur, seek medical attention.

**Ingestion:** Do not induce vomiting. Saliva will cause cyanoacrylate to polymerize in mouth. If lips are bonded together, use warm water to gently separate the lips apart. Contact a physician.

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## 5. FIRE-FIGHTING MEASURES

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**Extinguishing Media:** Water spray, carbon dioxide (CO<sub>2</sub>), dry powder, foam.

**Special hazards:** In case of fire, irritating organic vapours may be formed.

**Protective equipment for fire-fighters:** Fire fighters have to wear full-face, self-contained breathing apparatus and impervious protective clothing.

**Recommendations:** Do not allow run-off from fire fighting to enter drains or water courses.

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## 6. ACCIDENTAL RELEASE MEASURES

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**Personal precaution in spill:** Wear necessary protective equipment (see section 8). Avoid breathing vapours and contact with skin and eyes.

**Spill clean up methods:** Absorb with an inert material, e.g. sand, earth, vermiculite, diatomaceous earth, and place it all in a container for disposal, according to local regulations (see section 13). Clean preferably with a detergent; avoid use of solvent.

**Environmental precautions:** Do not allow to enter drains or watercourses.

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## 7. HANDLING AND STORAGE

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**Handling:** To avoid fire, eliminate ignition sources. Avoid contact with eyes, skin and clothing. Ensure adequate ventilation or wear suitable respiratory equipment. May react in presence of moisture. May react or be incompatible with alkalies. Wash thoroughly after handling.

**Storage:** Store in a dry, cool, well-ventilated area. Keep away from sources of heat and ignition. Keep container tightly closed when not in use. Store the product above freezing, between 5-25° C. For optimum shelf life store at 2- 8° C

**Comments:** Rapid polymerization occurs upon contact with water or alkaline substances. As a result, heat is generated. Skin inflammation or burns may occur upon contact during this polymerization.

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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Ingredient name	WEL 15 min limit (STEL)
Ethyl Cyanoacrylate	0.3ppm (1.5mg/m <sup>3</sup> )



Reference: EH40-WEL (United Kingdom (UK))

### Personal protection

**Respiratory protection:** Ensure adequate ventilation.

**Hand protection:** Use chemical resistant nitrile, polyethylene or polypropylene gloves. Do not use PVC, rubber or nylon gloves. Recommendation: Change always contaminated gloves immediately.

**Eye protection:** Wear protective glasses.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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<b>Physical state:</b>	Liquid
<b>Colour:</b>	Water white / straw colored
<b>Odour:</b>	Sharp, irritant
<b>Boiling point:</b>	>100° C
<b>Specific gravity:</b>	1.10 g/cm <sup>3</sup> at 25° C
<b>Vapour pressure:</b>	<0.5 mm Hg at 25° C
<b>Flash point:</b>	>81° C
<b>VOC content:</b>	<3 %
<b>Solubility in water:</b>	Immiscible in water. Polymerizes in presence of water.

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## 10. STABILITY AND REACTIVITY

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**Stability:** Stable when stored and handled correctly (see section 7).

**Materials to avoid:** Rapid exothermic polymerization will occur in the presence of water, amines, alkalis, oxidizing agents, reducing agents and alcohols.

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## 11. TOXICOLOGICAL INFORMATION

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**Acute Toxicity:** LD50 oral, rat: >5000 mg/kg  
LD50 dermal, rabbit: >2000 mg/kg  
LC50 inhalation: >4000 mg/kg

**Inhalation:** Irritating to respiratory system. Prolonged exposure to high concentrations may cause irritation of the mucous membranes and the upper respiratory trachea.

**Skin contact:** Irritating to the skin. Prolonged or repeated contact may result in dermatitis, either irritative or allergic.



**Eye contact:** Irritating to eyes. In dry atmosphere (RH <50 %) vapours may cause irritation and lachrymatory effect.

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## 12. ECOLOGICAL INFORMATION

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**Biodegradability:** 0% after 28 days

**Other information:** The product should not be discharged into drains, streams or soil.

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## 13. DISPOSAL CONSIDERATIONS

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**Disposal methods:** The product remnants are classified as chemical waste. Dispose of waste according to Local, State, Federal, and Provincial Environmental Regulations.

**(European waste catalogue) EWC-code:** 08 04 09 (waste adhesives and sealants containing organic solvents or other dangerous substances).

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## 14. TRANSPORT INFORMATION

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**Road transport ADR:** Not dangerous goods.

**Railroad transport RID:** Not dangerous goods.

**Marine transport IMDG:** Not dangerous goods.

**Air transport IATA:**    **UN no.:** 3334                      **Class:** 9                      **Packaging group:** -                      **Label:** 9

**Packaging instructions (passenger):** 906                      **Packaging instructions (cargo):** 906

**Proper shipping name:** Aviation regulated liquid, n.o.s. (Cyanoacrylate ester)

Primary packs containing less than 500 ml are unregulated by this mode of transport and may be shipped unrestricted.

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## 15. REGULATORY INFORMATION

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Labelling in accordance with the EU directives.



**Symbol:**

**Hazard designation:**    **Xi** – Irritant

**Contains:**                      Ethyl 2-cyanoacrylate

**R-phrases:**                      R36/37/38 – Irritating to eyes, respiratory system and skin.



**S-phrases:** S2 - Keep out of the reach of children.  
S23 – Do not breathe vapour.  
S24/25 - Avoid contact with skin and eyes.  
S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

**Additional labeling:** Cyanoacrylate. Danger. Bonds skin and eyes in seconds.

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## 16. OTHER INFORMATION

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**Explanation to R-phrases in section 2:** R36/37/38 – Irritating to eyes, respiratory system and skin.

**Revision date:** 16 December 2009

**Previous version:** 1st edition

**Signature:** Gorilla Glue Europe A/S

The information of this SDS is based on the present state of our knowledge and on current EU laws. It is always the responsibility of the user to take all necessary steps in order to fulfil the demand laid down in the local rules and legislation. The information in this SDS is meant as a description of the safety requirements of our product. It is not to be considered as a guarantee of the products properties.