Safety Data Sheet - Gorilla Super Glue

Date Issued: 08/10/2014

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 form : Mixture
Substance name : Gorilla Super Glue
Synonyms : Ethyl Cyanoacrylate 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 : Adhesive for metal, wood, ceramics, leather, paper, most plastics and more

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]
Skin Irrit. 2 H315
Eye Irrit. 2 H319
STOT SE 3 H335
Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC or 1999/45/EC
Xi; R36/37/38
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]

Signal word (CLP) : Warning
Hazardous ingredients : Ethyl cyanoacrylate
Hazard statements (CLP) : H315 - Causes skin irritation
H319 - Causes serious eye irritation
H335 - May cause respiratory irritation
Precautionary statements (CLP) : P261 - Avoid breathing mist, fume, spray, vapours.
P271 - Use only outdoors or in a well-ventilated area.
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.
According to Regulation (EC) No. 453/2010

EUH phrases:

Other hazards not contributing to the classification:
- 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.

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>Classification according to Directive 67/548/EEC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethyl cyanoacrylate</td>
<td>(CAS No) 7085-85-0 (EC no) 230-391-5 (EC index no) 607-236-00-9</td>
<td>86 - 100</td>
<td>Xi; R36/37/38</td>
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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: If inhaled, remove to fresh air and keep at rest in a position comfortable for breathing. If you feel unwell, seek medical advice.

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/physician.

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

Symptoms/injuries: Irritation to eyes, skin and respiratory tract.

Symptoms/injuries after inhalation: May cause respiratory irritation.

Symptoms/injuries after skin contact: Causes skin irritation.

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

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

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: Use water spray, foam, dry chemical, or carbon dioxide.

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
Fire hazard: Not flammable.
Explosion hazard: Product is not explosive.
Reactivity: 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.

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.
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: Avoid getting in eyes, on skin, or on clothing. Avoid breathing vapours.

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: 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.

7.2. Conditions for safe storage, including any incompatibilities
Storage conditions: Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Store away from incompatible materials. Protect from moisture. Store locked up.
Incompatible products: Strong acids, strong bases, strong oxidizers, water.
Storage temperature: 5 - 25 °C (41 - 77 °F)

7.3. Specific end use(s)
Adhesive for metal, wood, ceramics, leather, paper, most plastics and more.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

<table>
<thead>
<tr>
<th>Ethyl cyanoacrylate (7085-85-0)</th>
<th>Austria</th>
<th>MAK (mg/m³)</th>
<th>9 mg/m³</th>
</tr>
</thead>
<tbody>
<tr>
<td>Austria</td>
<td>MAK (ppm)</td>
<td>2 ppm</td>
<td></td>
</tr>
<tr>
<td>Belgium</td>
<td>Limit value (mg/m³)</td>
<td>1,04 mg/m³</td>
<td></td>
</tr>
</tbody>
</table>
### Ethyl cyanoacrylate (7085-85-0)

| Country                  | Limit value (ppm) | Belgium | ACGIH TWA (ppm) | Spain | VLA-ED (ppm) | United Kingdom | WEL STEL (mg/m³) | United Kingdom | WEL STEL (ppm) | Czech Republic | Expoziční limity (PEL) (mg/m³) | Denmark | Grænsevaerdie (langvarig) (mg/m³) | Denmark | Grænsevaerdie (langvarig) (ppm) | Finland | HTP-arvo (8h) (mg/m³) | Finland | HTP-arvo (8h) (ppm) | Ireland | OEL (8 hours ref) (ppm) | Lithuania | IPRV (mg/m³) | Lithuania | IPRV (ppm) | Lithuania | TPRV (mg/m³) | Lithuania | TPRV (ppm) | Poland | NDS (mg/m³) | Poland | NDSCh (mg/m³) | Sweden | nivågränsvärde (NVG) (mg/m³) | Sweden | nivågränsvärde (NVG) (ppm) | Sweden | kortidsvärde (KTV) (mg/m³) | Sweden | kortidsvärde (KTV) (ppm) | Portugal | OEL TWA (ppm) |
|--------------------------|-------------------|---------|-----------------|-------|--------------|----------------|-----------------|-----------------|-----------------|---------------|-------------------------------|---------|----------------------------|---------|----------------------------|---------|-------------------|---------|-------------------|---------|-------------------|---------|-------------------|---------|-------------------|---------|-------------------|
| Belgium                  | Limit value (ppm) | 0,2 ppm |                 |       |              |                 |                 |                 |                 |               |                               |         | 0,2 ppm                    |         | 0,2 ppm                    |         |                  |         |                  |         |                  |         |                  |
| Italy - Portugal - USA ACGIH | ACGIH TWA (ppm) | 0,2 ppm |                 |       |              |                 |                 |                 |                 |               |                               |         | 0,2 ppm                    |         | 0,2 ppm                    |         |                  |         |                  |         |                  |         |                  |
| Spain                    | VLA-ED (ppm)      | 0,2 ppm |                 |       |              |                 |                 |                 |                 |               |                               |         | 0,2 ppm                    |         | 0,2 ppm                    |         |                  |         |                  |         |                  |         |                  |
| United Kingdom           | WEL STEL (mg/m³)  | 1,5 mg/m³|                 |       |              |                 |                 |                 |                 |               |                               |         | 10 mg/m³                   |         | 2 ppm                      |         |                  |         |                  |         |                  |         |                  |
| United Kingdom           | WEL STEL (ppm)    | 0,3 ppm |                 |       |              |                 |                 |                 |                 |               |                               |         | 2 ppm                      |         | 4 ppm                      |         |                  |         |                  |         |                  |         |                  |
| Czech Republic           | Expoziční limity (PEL) (mg/m³) | 1 mg/m³ |                 |       |              |                 |                 |                 |                 |               |                               |         | 2 ppm                      |         | 4 ppm                      |         |                  |         |                  |         |                  |         |                  |
| Denmark                  | Grænsevaerdie (langvarig) (mg/m³) | 10 mg/m³ |                 |       |              |                 |                 |                 |                 |               |                               |         |                         |         | 2 ppm                      |         |                  |         |                  |         |                  |         |                  |
| Denmark                  | Grænsevaerdie (langvarig) (ppm) | 2 ppm   |                 |       |              |                 |                 |                 |                 |               |                               |         |                         |         | 4 ppm                      |         |                  |         |                  |         |                  |         |                  |
| Finland                  | HTP-arvo (8h) (mg/m³) | 1 mg/m³ |                 |       |              |                 |                 |                 |                 |               |                               |         |                         |         | 2 ppm                      |         |                  |         |                  |         |                  |         |                  |
| Finland                  | HTP-arvo (8h) (ppm) | 0,2 ppm |                 |       |              |                 |                 |                 |                 |               |                               |         |                         |         | 4 ppm                      |         |                  |         |                  |         |                  |         |                  |
| Ireland                  | OEL (8 hours ref) (ppm) | 0,2 ppm |                 |       |              |                 |                 |                 |                 |               |                               |         |                         |         | 4 ppm                      |         |                  |         |                  |         |                  |         |                  |
| Lithuania                | IPRV (mg/m³)      | 10 mg/m³|                 |       |              |                 |                 |                 |                 |               |                               |         |                         |         | 20 mg/m³                   |         |                  |         |                  |         |                  |         |                  |
| Lithuania                | IPRV (ppm)        | 2 ppm   |                 |       |              |                 |                 |                 |                 |               |                               |         |                         |         | 4 ppm                      |         |                  |         |                  |         |                  |         |                  |
| Lithuania                | TPRV (mg/m³)      | 20 mg/m³|                 |       |              |                 |                 |                 |                 |               |                               |         |                         |         | 4 ppm                      |         |                  |         |                  |         |                  |         |                  |
| Lithuania                | TPRV (ppm)        | 4 ppm   |                 |       |              |                 |                 |                 |                 |               |                               |         |                         |         | 4 ppm                      |         |                  |         |                  |         |                  |         |                  |
| Poland                   | NDS (mg/m³)       | 1 mg/m³ |                 |       |              |                 |                 |                 |                 |               |                               |         |                         |         | 2 mg/m³                   |         |                  |         |                  |         |                  |         |                  |
| Poland                   | NDSCh (mg/m³)     | 2 mg/m³ |                 |       |              |                 |                 |                 |                 |               |                               |         |                         |         | 2 mg/m³                   |         |                  |         |                  |         |                  |         |                  |
| Sweden                   | nivågränsvärde (NVG) (mg/m³) | 10 mg/m³ |                 |       |              |                 |                 |                 |                 |               |                               |         |                         |         | 2 ppm                      |         |                  |         |                  |         |                  |         |                  |
| Sweden                   | nivågränsvärde (NVG) (ppm) | 2 ppm   |                 |       |              |                 |                 |                 |                 |               |                               |         |                         |         | 4 ppm                      |         |                  |         |                  |         |                  |         |                  |
| Sweden                   | kortidsvärde (KTV) (mg/m³) | 20 mg/m³|                 |       |              |                 |                 |                 |                 |               |                               |         |                         |         | 4 ppm                      |         |                  |         |                  |         |                  |         |                  |
| Sweden                   | kortidsvärde (KTV) (ppm) | 4 ppm   |                 |       |              |                 |                 |                 |                 |               |                               |         |                         |         | 4 ppm                      |         |                  |         |                  |         |                  |         |                  |
| Portugal                 | OEL TWA (ppm)     | 0,2 ppm |                 |       |              |                 |                 |                 |                 |               |                               |         |                         |         | 4 ppm                      |         |                  |         |                  |         |                  |         |                  |

#### 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.


- **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
- **Appearance**: White Water / Straw colored.
- **Colour**: No data available
- **Odour**: Sharp, irritating.
Odour threshold: No data available
pH: Not applicable
Relative evaporation rate (butylacetate=1): No data available
Melting point: No data available
Freezing point: No data available
Boiling point: > 100 °C (212 °F) (212,00 °F)
Flash point: > 81 °C (177.8 °F)
Auto-ignition temperature: No data available
Decomposition temperature: No data available
Flammability (solid, gas): No data available
Vapour pressure: < 0.5 mmHg at 25 °C (77 °F)
Relative vapour density at 20 °C: No data available
Relative density: 1,1 (water = 1)
Solubility: Immiscible in water.
Partition coefficient: n-octanol/water: No data available
Viscosity: No data available
Explosive properties: No data available
Oxidising properties: No data available
Explosive limits: Not applicable

9.2. Other information
VOC Content: <20g/L estimated (California SCAQMD Method 316B)

SECTION 10: Stability and reactivity

10.1. Reactivity
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.

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. Extremely high or low temperatures.

10.5. Incompatible materials
Strong acids, strong bases, strong oxidizers. Water.

10.6. Hazardous decomposition products
None known

SECTION 11: Toxicological information

11.1. Information on toxicological effects
Acute toxicity: Not classified

<table>
<thead>
<tr>
<th>Gorilla Super Glue</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral (estimated)</td>
</tr>
<tr>
<td>LD50 dermal (estimated)</td>
</tr>
<tr>
<td>LC50 inhalation (estimated)</td>
</tr>
</tbody>
</table>

Skin corrosion/irritation: Causes skin irritation.
Serious eye damage/irritation: Causes serious eye irritation.
Respiratory or skin sensitisation: Not classified
Germ cell mutagenicity: Not classified
Carcinogenicity: Not classified
Reproductive toxicity: Not classified
Specific target organ toxicity (single exposure): May cause respiratory irritation.
Specific target organ toxicity (repeated exposure) : Not classified
Aspiration hazard : Not classified

SECTION 12: Ecological information

12.1. Toxicity
No additional information available

12.2. Persistence and degradability
No additional information available

12.3. Bioaccumulative potential
No additional information available

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

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:

<table>
<thead>
<tr>
<th>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</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gorilla Super Glue</td>
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</table>

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

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

<table>
<thead>
<tr>
<th>R-</th>
<th>H-</th>
<th>EUH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eye Irrit. 2</td>
<td>Serious eye damage/eye irritation, Category 2</td>
<td></td>
</tr>
<tr>
<td>Skin Irrit. 2</td>
<td>Skin corrosion/irritation, Category 2</td>
<td></td>
</tr>
<tr>
<td>STOT SE 3</td>
<td>Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation</td>
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<tr>
<td>H335</td>
<td>May cause respiratory irritation</td>
<td></td>
</tr>
<tr>
<td>R36/37/38</td>
<td>Irritating to eyes, respiratory system and skin</td>
<td></td>
</tr>
<tr>
<td>Xi</td>
<td>Irritant</td>
<td></td>
</tr>
</tbody>
</table>

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.