



## Safety Data Sheet according to (EC) No 1907/2006

Page 1 of 8

Loctite Super Glue Brush On

sds no. : 436569

V001.0

Revision: 17.01.2012

printing date: 19.06.2012

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

**Product identifier:**

Loctite Super Glue Brush On

**Contains:**

Ethyl 2-cyanoacrylate CAS-No. 7085-85-0

**Relevant identified uses of the substance or mixture and uses advised against:**

Intended use:

Super glue

**Details of the supplier of the safety data sheet:**

Henkel Limited

Apollo Court, 2 Bishop Square Business Park

Hatfield, Hertfordshire AL10 9EY

Great Britain

Phone: +44 (0)1606 593933

Fax-no.: +44 (0)1606 863762

ua-productsafety.uk@uk.henkel.com

**Emergency Telephone Number:**

24 Hours Emergency Tel: +44 0 8701 906777 - For further general health & safety, technical and practical advice on this product, please call +44 (0) 1606 593933 or write to: Technical Services; Henkel Limited; Road 5; Winsford Industrial Estate; Winsford; Cheshire; CW7 3QY- Email: technical.services@henkel.co.uk

### SECTION 2: Hazards identification

**Classification of the substance or mixture:**

**Classification (CLP):**

Skin irritation

Category 2

H315 Causes skin irritation.

Serious eye irritation

Category 2

H319 Causes serious eye irritation.

Specific target organ toxicity - single exposure

Category 3

H335 May cause respiratory irritation.

**Classification (DPD):**

Xi - Irritant  
R36/37/38 Irritating to eyes, respiratory system and skin.

**Label elements (CLP):**

**Hazard pictogram:**



**Signal word:**

Warning

**Hazard statement:**

H319 Causes serious eye irritation.  
H335 May cause respiratory irritation.  
H315 Causes skin irritation.  
EUH202 Cyanoacrylate. Danger. Bonds skin and eyes in seconds. Keep out of the reach of children.

**Precautionary statement:**

P261 Avoid breathing vapors.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P302+P350 IF ON SKIN: Gently wash with plenty of soap and water.

**Label elements (DPD):**

Xi - Irritant



**Risk phrases:**

R36/37/38 Irritating to eyes, respiratory system and skin.

**Safety 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. Keep out of the reach of children.

**Other hazards:**

Persons suffering from allergic reactions to acrylates should avoid contact with the product.

**SECTION 3: Composition/information on ingredients**

**General chemical description:**

Cyanoacrylate Adhesive

**Base substances of preparation:**

Cyanoacrylate

**Declaration of the ingredients according to CLP (EC) No 1272/2008:**

| Hazardous components<br>CAS-No.    | EC Number<br>REACH-Reg No.    | content       | Classification   |
|------------------------------------|-------------------------------|---------------|--|
| Ethyl 2-cyanoacrylate<br>7085-85-0 | 230-391-5<br>01-2119527766-29 | > 80- < 100 % | Skin irritation 2<br>H315<br>Specific target organ toxicity - single<br>exposure 3<br>H335<br>Serious eye irritation 2<br>H319 |

Only dangerous ingredients for which a CLP classification is already available are displayed in this table.  
For full text of the H - statements and other abbreviations see section 16 "Other information".  
Substances without classification may have community workplace exposure limits available.

**Declaration of ingredients according to DPD (EC) No 1999/45:**

| Hazardous components<br>CAS-No.    | EC Number<br>REACH-Reg No.    | content        | Classification           |
|------------------------------------|-------------------------------|----------------|--------------------------|
| Ethyl 2-cyanoacrylate<br>7085-85-0 | 230-391-5<br>01-2119527766-29 | > 80 - < 100 % | Xi - Irritant; R36/37/38 |

For full text of the R-Phrases indicated by codes see section 16 'Other Information'.  
Substances without classification may have community workplace exposure limits available.

**SECTION 4: First aid measures****Description of first aid measures:**

## General information:

In case of adverse health effects seek medical advice.

## Inhalation:

Move to fresh air, consult doctor if complaint persists.

## Skin contact:

Do not pull bonded skin apart. It may be gently peeled apart using a blunt object such as a spoon, preferably after soaking in warm soapy water.

Cyanoacrylates give off heat on solidification. In rare cases a large drop will generate enough heat to cause a burn.

Burns should be treated normally after the adhesive has been removed from the skin.

If lips are accidentally stuck together apply warm water to the lips and encourage maximum wetting and pressure from saliva inside the mouth.

Peel or roll lips apart. Do not try to pull the lips apart with direct opposing action.

## Eye contact:

If the eye is bonded closed, release eyelashes with warm water by covering with wet pad.

Cyanoacrylate will bond to eye protein and will cause periods of weeping which will help to debond the adhesive.

Keep eye covered until debonding is complete, usually within 1-3 days.

Do not force eye open. Medical advice should be sought in case solid particles of cyanoacrylate trapped behind the eyelid cause any abrasive damage.

## Ingestion:

Ensure that breathing passages are not obstructed. The product will polymerise immediately in the mouth making it almost impossible to swallow. Saliva will slowly separate the solidified product from the mouth (several hours).

**Most important symptoms and effects, both acute and delayed:**

EYE: Irritation, conjunctivitis.

SKIN: Redness, inflammation.

RESPIRATORY: Irritation, coughing, shortness of breath, chest tightness.

**Indication of any immediate medical attention and special treatment needed:**

See section: Description of first aid measures

## SECTION 5: Firefighting measures

**Extinguishing media:**

**Suitable extinguishing media:**

carbon dioxide, foam, powder, water spray jet, fine water spray

**Extinguishing media which must not be used for safety reasons:**

High pressure waterjet

**Special hazards arising from the substance or mixture:**

In the event of a fire, carbon monoxide (CO) and carbon dioxide (CO<sub>2</sub>) can be released.

**Advice for firefighters:**

Wear protective equipment.

Wear self-contained breathing apparatus.

## SECTION 6: Accidental release measures

**Personal precautions, protective equipment and emergency procedures:**

Ensure adequate ventilation.

Avoid contact with skin and eyes.

**Environmental precautions:**

Do not let product enter drains.

**Methods and material for containment and cleaning up:**

Remove with liquid-absorbing material (sand, peat, sawdust).

Dispose of contaminated material as waste according to Chapter 13.

**Reference to other sections:**

See advice in chapter 8

## SECTION 7: Handling and storage

**Precautions for safe handling:**

Open and handle container with care.

Avoid skin and eye contact.

Ensure that workrooms are adequately ventilated.

**Hygiene measures:**

Do not eat, drink or smoke while working.

Wash hands before work breaks and after finishing work.

**Conditions for safe storage, including any incompatibilities:**

For optimum shelf life store in original containers under refrigerated conditions at 2 - 8°C (35.6 - 46.4 °F)

Store in a dry place.

Keep container tightly sealed and store in a frost free place.

Store in a cool place, max. storage temperature 30°C.

Do not store together with food or other consumables (coffee, tea, tobacco, etc.).

**Specific end use(s):**

Super glue

**SECTION 8: Exposure controls/personal protection****Control parameters:**Valid for  
Great Britain

| Ingredient                       | ppm | mg/m <sup>3</sup> | Type                                 | Category | Remarks  |
|----------------------------------|-----|-------------------|--------------------------------------|----------|----------|
| ETHYL CYANOACRYLATE<br>7085-85-0 | 0,3 | 1,5               | Short Term Exposure<br>Limit (STEL): |          | EH40 WEL |

**Exposure controls:**

## Respiratory protection:

When processing large amounts.  
Suitable breathing mask when there is inadequate ventilation.

## Hand protection:

Recommended are gloves made from Nitril rubber ( Material thickness &gt;0,1 mm, Perforation time &lt; 30s).Gloves should be replaced after each short time contact or contamination. Available at laboratory specialized trade or at pharmacies / chemist's shops.

## Eye protection:

Goggles which can be tightly sealed.

## Skin protection:

Suitable protective clothing

**SECTION 9: Physical and chemical properties****Information on basic physical and chemical properties:**

|            |             |
|------------|-------------|
| Appearance | gel, Liquid |
|            | Colorless   |
| Odor       | Irritating  |

|  |                                    |
|--|------------------------------------|
| pH                                     | No data available / Not applicable |
| Initial boiling point                  | > 100 °C (> 212 °F)                |
| Flash point                            | 80 - 93,4 °C (176 - 200.12 °F)     |
| Decomposition temperature              | No data available / Not applicable |
| Vapour pressure                        | No data available / Not applicable |
| Density                                | 1,1 g/cm <sup>3</sup>              |
| ( )                                    |                                    |
| Bulk density                           | No data available / Not applicable |
| Viscosity                              | No data available / Not applicable |
| Viscosity (kinematic)                  | No data available / Not applicable |
| Explosive properties                   | No data available / Not applicable |
| Solubility (qualitative)               | Polymerises in presence of water.  |
| (Solvent: Water)                       |                                    |
| Solidification temperature             | No data available / Not applicable |
| Melting point                          | No data available / Not applicable |
| Flammability                           | No data available / Not applicable |
| Auto-ignition temperature              | No data available / Not applicable |
| Explosive limits                       | No data available / Not applicable |
| Partition coefficient: n-octanol/water | No data available / Not applicable |
| Evaporation rate                       | No data available / Not applicable |
| Vapor density                          | No data available / Not applicable |
| Oxidising properties                   | No data available / Not applicable |

**Other information:**

No data available / Not applicable

**SECTION 10: Stability and reactivity****Reactivity:**

Rapid exothermic polymerization will occur in the presence of water, amines, alkalis and alcohols.

**Chemical stability:**

Stable under recommended storage conditions.

**Possibility of hazardous reactions:**

See section reactivity

**Conditions to avoid:**

None if used for intended purpose.

**Incompatible materials:**

None if used properly.

**Hazardous decomposition products:**

carbon oxides.

**SECTION 11: Toxicological information****General toxicological information:**

The mixture is classified based on the available hazard information for the ingredients as defined in the classification criteria for mixtures for each hazard class or differentiation in Annex I to Regulation 1272/2008/EC. Relevant available health/ecological information for the substances listed under Section 3 is provided in the following.

**Inhalative toxicity:**

Irritating to respiratory system

**Skin irritation:**

Primary skin irritation: irritating

**Eye irritation:**

Primary eye irritation: irritating

**Sensitizing:**

An allergic reaction cannot be excluded after repeated skin contact.

**Acute toxicity:**

| Hazardous components<br>CAS-No.    | Value<br>type | Value                          | Route of<br>application | Exposure<br>time | Species       | Method   |
|------------------------------------|---------------|--------------------------------|-------------------------|------------------|---------------|--|
| Ethyl 2-cyanoacrylate<br>7085-85-0 | LD50<br>LD50  | > 5.000 mg/kg<br>> 2.000 mg/kg | oral<br>dermal          |                  | rat<br>rabbit | OECD Guideline 401 (Acute Oral Toxicity)<br>OECD Guideline 402 (Acute Dermal Toxicity) |

**Skin corrosion/irritation:**

| Hazardous components<br>CAS-No.    | Result              | Exposure<br>time | Species | Method   |
|------------------------------------|---------------------|------------------|---------|--|
| Ethyl 2-cyanoacrylate<br>7085-85-0 | slightly irritating | 24 h             | rabbit  | OECD Guideline 404 (Acute Dermal Irritation / Corrosion) |

**Serious eye damage/irritation:**

| Hazardous components<br>CAS-No.    | Result     | Exposure<br>time | Species | Method  |
|------------------------------------|------------|------------------|---------|---|
| Ethyl 2-cyanoacrylate<br>7085-85-0 | irritating | 72 h             | rabbit  | OECD Guideline 405 (Acute Eye Irritation / Corrosion) |

**Germ cell mutagenicity:**

| Hazardous components<br>CAS-No.    | Result                           | Type of study /<br>Route of<br>administration  | Metabolic<br>activation /<br>Exposure time | Species | Method   |
|------------------------------------|----------------------------------|--|--|---------|--|
| Ethyl 2-cyanoacrylate<br>7085-85-0 | negative<br>negative<br>negative | bacterial reverse<br>mutation assay (e.g<br>Ames test)<br>mammalian cell<br>gene mutation assay<br>in vitro mammalian<br>chromosome<br>aberration test | with and without<br>with and without       |         | OECD Guideline 471<br>(Bacterial Reverse Mutation<br>Assay)<br>OECD Guideline 476 (In vitro<br>Mammalian Cell Gene<br>Mutation Test)<br>OECD Guideline 473 (In vitro<br>Mammalian Chromosome<br>Aberration Test) |

**SECTION 12: Ecological information****General ecological information:**

The mixture is classified based on the available hazard information for the ingredients as defined in the classification criteria for mixtures for each hazard class or differentiation in Annex I to Regulation 1272/2008/EC. Relevant available health/ecological information for the substances listed under Section 3 is provided in the following.

Do not empty into drains / surface water / ground water.

**Persistence and degradability:**

| Hazardous components<br>CAS-No.    | Result | Route of<br>application | Degradability | Method  |
|------------------------------------|--------|-------------------------|---------------|---|
| Ethyl 2-cyanoacrylate<br>7085-85-0 |        | aerobic                 | 57 %          | OECD Guideline 301 D (Ready<br>Biodegradability: Closed Bottle<br>Test) |

**Bioaccumulative potential / Mobility in soil:**

| Hazardous components<br>CAS-No.    | LogKow | Bioconcentration<br>factor (BCF) | Exposure<br>time | Species | Temperature | Method                                   |
|------------------------------------|--------|----------------------------------|------------------|---------|-------------|--|
| Ethyl 2-cyanoacrylate<br>7085-85-0 | 0,776  |                                  |                  |         | 22 °C       | EU Method A.8 (Partition<br>Coefficient) |

**SECTION 13: Disposal considerations****Waste treatment methods:**

Product disposal:

Dispose of waste and residues in accordance with local authority requirements.

Disposal of uncleaned packages:

Use packages for recycling only when totally empty.

Waste code

08 04 09 waste adhesives and sealants containing organic solvents and other dangerous substances

**SECTION 14: Transport information****Road transport ADR:**

Not dangerous goods

**Railroad transport RID:**

Not dangerous goods

**Inland water transport ADN:**

Not dangerous goods

**Marine transport IMDG:**

Not dangerous goods

**Air transport IATA:**

|                                    |   |
|------------------------------------|---|
| Class:                             | 9   |
| Packaging group:                   |   |
| Packaging instructions (passenger) |   |
| Packaging instructions (cargo)     |   |
| UN no.:                            | 3334  |
| Label:                             | 9   |
| Proper shipping name:              | Aviation regulated liquid, n.o.s. (Cyanoacrylate ester) |

**SECTION 15: Regulatory information****Safety, health and environmental regulations/legislation specific for the substance or mixture:**

|                                     |        |
|-------------------------------------|--------|
| VOC content                         | 0,00 % |
| (VOCV 814.018 VOC regulation<br>CH) |        |

**SECTION 16: Other information**

The labelling of the product is indicated in Section 2. The full text of all abbreviations indicated by codes in this safety data sheet are as follows:

R36/37/38 Irritating to eyes, respiratory system and skin.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

**Further information:**

This information is based on our current level of knowledge and relates to the product in the state in which it is delivered. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties.