SAFETY DATA SHEET
Cyanoacrylate Superglue Thick

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

1.1. Product identifier
Product name
Cyanoacrylate Superglue Thick

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

1.3. Details of the supplier of the safety data sheet
Supplier
Chestnut Products
PO BOX 260,
Stowmarket,
IP14 9BX
+44 (0) 1473 890118
+44 (0) 1473 206522
mailroom@chestnutproducts.co.uk

1.4. Emergency telephone number
Emergency telephone
+44 (0)1473 425878 (09:00-17:00 Mon- Fri)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
Classification
Physical hazards
Not Classified
Health hazards
Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 STOT SE 3 - H335
Environmental hazards
Not Classified

Classification (67/548/EEC or 1999/45/EC) Xi; R36/37/38

2.2. Label elements
Pictogram

Signal word
Warning

Hazard statements
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
Cyanoacrylate Superglue Thick

Precautionary statements
P102 Keep out of reach of children.
P261 Avoid breathing vapour/spray.
P280 Wear protective gloves/protective clothing/eye protection/face 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 in accordance with national regulations.

Supplemental label information
Contains Ethyl 2-cyanoacrylate

Supplementary precautionary statements
P264 Wash contaminated skin thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P312 Call a POISON CENTER/doctor if you feel unwell.
P321 Specific treatment (see medical advice on this label).
P332+P313 If skin irritation 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+P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.

2.3. Other hazards
This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

<table>
<thead>
<tr>
<th>Ethyl 2-cyanoacrylate</th>
<th>50 - 100%</th>
</tr>
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<tbody>
<tr>
<td>CAS number: 7085-85-0</td>
<td>EC number: 230-391-5</td>
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<td></td>
</tr>
<tr>
<td>STOT SE 3 - H335</td>
<td></td>
</tr>
</tbody>
</table>

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information
Get medical attention if any discomfort continues. Show this Safety Data Sheet to the medical personnel.

Inhalation
Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Maintain an open airway. Loosen tight clothing such as collar, tie or belt. Get medical attention.

Ingestion
Rinse mouth thoroughly with water. Give a few small glasses of water or milk to drink. Stop if the affected person feels sick as vomiting may be dangerous. Never give anything by mouth to an unconscious person. Keep affected person under observation. Get medical attention.
Cyanoacrylate Superglue Thick

Skin contact  
Rinse with water. If adhesive bonding occurs, do not force skin apart. 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 the lips apart. Do not try to pull the lips apart with direct opposing action.

Eye contact  
If adhesive bonding occurs, do not force eyelids apart. Rinse with water. Do not rub eye. Keep eye covered until debonding is complete, usually within 1-3 days. Get medical attention if any discomfort continues.

Protection of first aiders  
First aid personnel should wear appropriate protective equipment during any rescue.

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

General information  
The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

Inhalation  
Vapours may cause headache, fatigue, dizziness and nausea. Irritation of nose, throat and airway. Difficulty in breathing. Coughing.

Ingestion  
***TRANSLATION NEEDED***  
The product will polymerise immediately in the mouth making it almost impossible to swallow. ***TRANSLATION NEEDED***  
Saliva will slowly separate the solidified product from the mouth (several hours).

Skin contact  
Bonds skin and eyes in seconds. Redness. Irritating to skin. Produces heat on solidification. In rare cases a large drop will generate enough heat to cause a burn.

Eye contact  
Bonds skin and eyes in seconds. Irritating to eyes. Solid particles of cyanoacrylate trapped behind the eyelid may cause abrasive damage.

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

Notes for the doctor  
Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media  
The product is not flammable. Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire.

Unsuitable extinguishing media  
Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards  
Containers can burst violently or explode when heated, due to excessive pressure build-up.

Hazardous combustion products  
Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours.

5.3. Advice for firefighters

Protective actions during firefighting  
Evacuate area. Keep upwind to avoid inhalation of gases, vapours, fumes and smoke. Ventilate closed spaces before entering them. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. If a leak or spill has not ignited, use water spray to disperse vapours and protect men stopping the leak. Control run-off water by containing and keeping it out of sewers and watercourses. If risk of water pollution occurs, notify appropriate authorities.

Special protective equipment for firefighters  
Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Firefighter's clothing conforming to European standard EN469 (including helmets, protective boots and gloves) will provide a basic level of protection for chemical incidents.
Cyanoacrylate Superglue Thick

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions
Bonds skin and eyes in seconds. Wear protective clothing as described in Section 8 of this safety data sheet. Use suitable respiratory protection if ventilation is inadequate. Avoid inhalation of vapours and contact with skin and eyes.

6.2. Environmental precautions

Environmental precautions
Hardens in contact with water. Immiscible with water. Aquatic toxicity is unlikely to occur. However, large or frequent spills may have hazardous effects on the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up
Do not touch or walk into spilled material. Wear protective clothing as described in Section 8 of this safety data sheet. Hardens in contact with water. Dampen spillage with water. Collect spillage with a shovel and broom, or similar and reuse, if possible. Label the containers containing waste and contaminated materials and remove from the area as soon as possible. For waste disposal, see Section 13. Wash thoroughly after dealing with a spillage.

6.4. Reference to other sections

Reference to other sections
For personal protection, see Section 8. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions
Bonds skin and eyes in seconds. Keep out of the reach of children. Keep away from food, drink and animal feeding stuffs. Read and follow manufacturer's recommendations. Wear protective clothing as described in Section 8 of this safety data sheet. Do not handle broken packages without protective equipment. Handle all packages and containers carefully to minimise spills. Keep container tightly sealed when not in use.

Advice on general occupational hygiene
Wash promptly if skin becomes contaminated. Take off contaminated clothing. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions
Store locked up. Store in tightly-closed, original container in a dry, cool and well-ventilated place. Protect containers from damage.

Storage class
Chemical storage.

7.3. Specific end use(s)

Specific end use(s)
The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

Ethyl 2-cyanoacrylate

Short-term exposure limit (15-minute): WEL 0.3 ppm 1.5 mg/m³

WEL = Workplace Exposure Limit

8.2. Exposure controls
Cyanoacrylate Superglue Thick

Protective equipment

Appropriate engineering controls
Provide adequate ventilation. Observe any occupational exposure limits for the product or ingredients.

Eye/face protection
Avoid contact with eyes. Large Spillages: Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Wear chemical splash goggles.

Hand protection
Wear protective gloves made of the following material: Polyethylene. Viton rubber (fluoro rubber). Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected.

Other skin and body protection
Wear appropriate clothing to prevent any possibility of skin contact.

Hygiene measures
Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Wash contaminated clothing before reuse.

Respiratory protection
If ventilation is inadequate, suitable respiratory protection must be worn.

Environmental exposure controls
Keep container tightly sealed when not in use. Avoid release to the environment.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance
Liquid.

Colour
Colourless.

Odour
Pungent.

Odour threshold
Not available.

pH
pH (concentrated solution): 6-7

Melting point
-30°C

Initial boiling point and range
>150°C

Flash point
>85°C CC (Closed cup).

Evaporation rate
Not available.

Upper/lower flammability or explosive limits
Not available.

Vapour pressure
0.04 mm Hg @ 25°C

Vapour density
Not available.

Relative density
1.05-1.08

Solubility(ies)
Hardens in contact with water. Insoluble in water.

Partition coefficient
Not available.

Auto-ignition temperature
Not available.

Decomposition Temperature
Not available.
Cyanoacrylate Superglue Thick

Viscosity 3-2500 cP @ 25°C

Explosive properties Not considered to be explosive.

Oxidising properties Does not meet the criteria for classification as oxidising.

9.2. Other information

Other information No information required.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity See the other subsections of this section for further details.

10.2. Chemical stability

Stability Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Polymerises easily with evolution of heat.

10.4. Conditions to avoid

Conditions to avoid Avoid exposure to high temperatures or direct sunlight.

10.5. Incompatible materials


10.6. Hazardous decomposition products

Hazardous decomposition products Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

Notes (oral LD₅₀) Based on available data the classification criteria are not met.

Acute toxicity - dermal

Notes (dermal LD₅₀) Based on available data the classification criteria are not met.

Acute toxicity - inhalation

Notes (inhalation LC₅₀) Based on available data the classification criteria are not met.

Skin corrosion/irritation

Animal data Irritating.

Serious eye damage/irritation

Serious eye damage/irritation Causes serious eye irritation.

Respiratory sensitisation

Respiratory sensitisation Based on available data the classification criteria are not met.

Skin sensitisation

Skin sensitisation Based on available data the classification criteria are not met.

Germ cell mutagenicity

Genotoxicity - in vitro Based on available data the classification criteria are not met.
Cyanoacrylate Superglue Thick

**Carcinogenicity**

Based on available data the classification criteria are not met.

**IARC carcinogenicity**

None of the ingredients are listed or exempt.

**Reproductive toxicity**

Based on available data the classification criteria are not met.

**Reproductive toxicity - fertility**

Based on available data the classification criteria are not met.

**Reproductive toxicity - development**

Based on available data the classification criteria are not met.

**Specific target organ toxicity - single exposure**

STOT - single exposure: STOT SE 3 - H335 May cause respiratory irritation.

Target organs: Respiratory system, lungs

**Specific target organ toxicity - repeated exposure**

STOT - repeated exposure: Not classified as a specific target organ toxicant after repeated exposure.

**Aspiration hazard**

Based on available data the classification criteria are not met.

**General information**

The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

**Inhalation**

Vapours may cause headache, fatigue, dizziness and nausea. Irritation of nose, throat and airway. Difficulty in breathing. Coughing.

**Ingestion**

***TRANSLATION NEEDED***

The product will polymerise immediately in the mouth making it almost impossible to swallow.

***TRANSLATION NEEDED***

Saliva will slowly separate the solidified product from the mouth (several hours).

**Skin contact**

Bonds skin and eyes in seconds. Redness. Irritating to skin.

**Eye contact**

Bonds skin and eyes in seconds. Irritating to eyes.

**Route of entry**

Ingestion Inhalation Skin and/or eye contact

**Target organs**

Respiratory system, lungs

**Toxicological information on ingredients.**

### Ethyl 2-cyanoacrylate

**Other health effects**

Substance polymerizes rapidly on contact with air / moisture.

**Acute toxicity - oral**

Notes (oral LD₅₀): Based on available data the classification criteria are not met. REACH dossier information.

**Acute toxicity - dermal**

Notes (dermal LD₅₀): Based on available data the classification criteria are not met. REACH dossier information.

**Acute toxicity - inhalation**

Notes (inhalation LC₅₀): Technically not feasible. Based on available data the classification criteria are not met. REACH dossier information.
Cyanoacrylate Superglue Thick

**Skin corrosion/irritation**

*Animal data*

Dose: 0.5g, 24 hours, Rabbit Primary dermal irritation index: 0.87 Slightly irritating. REACH dossier information.

**Serious eye damage/irritation**

*Serious eye damage/irritation*

Slightly irritating. REACH dossier information.

**Respiratory sensitisation**

*Respiratory sensitisation*

Based on available data the classification criteria are not met. REACH dossier information.

**Skin sensitisation**

*Skin sensitisation*

Technically not feasible. Based on available data the classification criteria are not met. REACH dossier information.

**Germ cell mutagenicity**

*Genotoxicity - in vitro*


**Carcinogenicity**

*Carcinogenicity*

Based on available data the classification criteria are not met. REACH dossier information.

**Reproductive toxicity**

*Reproductive toxicity - fertility*

Technically not feasible. REACH dossier information.

*Reproductive toxicity - development*

Technically not feasible. REACH dossier information.

**Specific target organ toxicity - single exposure**

*STOT - single exposure*

Irritating to respiratory system. STOT SE 3 - H335

*Target organs*

Respiratory system, lungs

**Specific target organ toxicity - repeated exposure**

*STOT - repeated exposure*

Technically not feasible. REACH dossier information.

**Aspiration hazard**

*Aspiration hazard*

Not anticipated to present an aspiration hazard, based on chemical structure.

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**SECTION 12: Ecological Information**

**Ecotoxicity**

Not regarded as dangerous for the environment. However, large or frequent spills may have hazardous effects on the environment.

**12.1. Toxicity**

*Toxicity*

Based on available data the classification criteria are not met.

**Ecological information on ingredients.**

Ethyl 2-cyanoacrylate
Cyanoacrylate Superglue Thick

Toxicity
Substance polymerizes rapidly on contact with air / moisture.

Acute toxicity - fish
Technically not feasible.
REACH dossier information.

12.2. Persistence and degradability
Persistence and degradability
The product is not expected to be biodegradable.

Ecological information on ingredients.

Ethyl 2-cyanoacrylate

Stability (hydrolysis)
Substance polymerizes rapidly on contact with air / moisture.

Biodegradation
None.

12.3. Bioaccumulative potential
Bioaccumulative potential
No data available on bioaccumulation.

Partition coefficient
Not available.

Ecological information on ingredients.

Ethyl 2-cyanoacrylate

Bioaccumulative potential
No data available on bioaccumulation.

12.4. Mobility in soil
Mobility
The product hardens to a solid, immobile substance.

Ecological information on ingredients.

Ethyl 2-cyanoacrylate

Mobility
Substance polymerizes rapidly on contact with air / moisture. The product is insoluble in water.

12.5. Results of PBT and vPvB assessment
Results of PBT and vPvB assessment
This product does not contain any substances classified as PBT or vPvB.

Ecological information on ingredients.

Ethyl 2-cyanoacrylate

Results of PBT and vPvB assessment
This substance is not classified as PBT or vPvB according to current EU criteria.

12.6. Other adverse effects
Other adverse effects
None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods
Cyanoacrylate Superglue Thick

General information
The generation of waste should be minimised or avoided wherever possible. Reuse or recycle products wherever possible. When handling waste, the safety precautions applying to handling of the product should be considered. Care should be taken when handling emptied containers that have not been thoroughly cleaned or rinsed out. Empty containers or liners may retain some product residues and hence be potentially hazardous.

Disposal methods
Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

SECTION 14: Transport information

General
For limited quantity packaging/limited load information, consult the relevant modal documentation using the data shown in this section.

14.1. UN number
UN No. (ADR/RID) 3334
UN No. (IMDG) 3334
UN No. (ICAO) 3334
UN No. (ADN) 3334

14.2. UN proper shipping name
Proper shipping name (ADR/RID) AVIATION REGULATED LIQUID, N.O.S. (Ethyl 2-cyanoacrylate)
Proper shipping name (IMDG) AVIATION REGULATED LIQUID, N.O.S. (Ethyl 2-cyanoacrylate)
Proper shipping name (ICAO) AVIATION REGULATED LIQUID, N.O.S. (Ethyl 2-cyanoacrylate)
Proper shipping name (ADN) AVIATION REGULATED LIQUID, N.O.S. (Ethyl 2-cyanoacrylate)

14.3. Transport hazard class(es)
ADR/RID class 9
ADR/RID classification code M11
ADR/RID label 9
IMDG class 9
ICAO class/division 9
ADN class 9

Transport labels

14.4. Packing group

14.5. Environmental hazards
Environmentally hazardous substance/marine pollutant No.

14.6. Special precautions for user
Always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.
Cyanoacrylate Superglue Thick

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

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

Not relevant.

SECTION 15: Regulatory information

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

National regulations

EU legislation

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

Inventories
EU - EINECS/ELINCS
None of the ingredients are listed or exempt.

SECTION 16: Other information

Classification procedures according to Regulation (EC) 1272/2008

Training advice
Read and follow manufacturer's recommendations.

Revision comments
Classification according to EC 1272/2008 (CLP).

Revision date
27/05/2015

Revision
2

Supersedes date
03/11/2014

SDS number
2882

Risk phrases in full
R36/37/38 Irritating to eyes, respiratory system and skin.

Hazard statements in full
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
Cyanoacrylate Superglue Thick

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.