

## Safety Data Sheet

according to UK REACH (SI 2020/1577) as amended

Printing date 11.11.2025

Version number 2 (replaces version 1)

Revision: 11.11.2025

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

- **1.1 Product identifier**
- **Trade name:** Super Glue Vapour (Ethyl Cyano-acrylate)
- **Product Code:** 50-5500-05
- **CAS Number:**  
7085-85-0
- **EC number:**  
230-391-5
- **Index number:**  
607-236-00-9
- **Registration number** 01-2119527766-29-XXXX
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Product category**  
PC1 Adhesives, sealants  
PC21 Laboratory chemicals
- **Application of the substance / the mixture**  
Adhesives  
Laboratory chemicals
- **Uses advised against** Any use not specified above.
- **1.3 Details of the supplier of the safety data sheet**
- **Supplier:**  
Severn Biotech Ltd.  
Unit 2,  
Park Lane,  
Kidderminster,  
Worcestershire.  
DY11 6TJ  
UK  
Tel: 0044 1562 825286  
Fax: 0044 1562 825284  
email: info@severnbiotech.com
- **Further information obtainable from:** Product safety department.
- **1.4 Emergency telephone number:**  
Members of the public seeking specific information on poisons should contact:  
In England and Wales: NHS 111 - dial 111  
In Scotland: NHS 24 - dial 111

### SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to GB-CLP**  
Skin Irrit. 2 H315 Causes skin irritation.  
Eye Irrit. 2 H319 Causes serious eye irritation.  
STOT SE 3 H335 May cause respiratory irritation.
- **2.2 Label elements**
- **Labelling according to GB-CLP** The substance is classified and labelled according to the GB CLP regulation.

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### · Hazard pictograms



GHS07

### · Signal word Warning

### · Hazard statements

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

### · Precautionary statements

P261 Avoid breathing mist/vapours/spray.

P280 Wear protective gloves / eye protection / face protection.

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.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local regulations.

### · Additional information:

EUH202 Cyanoacrylate. Danger. Bonds skin and eyes in seconds. Keep out of the reach of children.

### · 2.3 Other hazards

### · Results of PBT and vPvB assessment

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

## SECTION 3: Composition/information on ingredients

### · 3.1 Substances

### · CAS No. Description

CAS: 7085-85-0 ethyl 2-cyanoacrylate

### · Identification number(s)

· **EC number:** 230-391-5

· **Index number:** 607-236-00-9

## \* SECTION 4: First aid measures

### · 4.1 Description of first aid measures

### · General information:

Seek medical treatment.

Immediately remove any clothing soiled by the product.

### · After inhalation:

Supply fresh air; consult doctor in case of complaints.

### · After skin contact:

Soak the bonded surface in warm soapy water or in a warm 1% solution of sodium bicarbonate. Peel or roll the surfaces apart gently with the aid of a blunt edge e.g. a teaspoon handle or spatula. Do not try to pull surface apart with a direct opposing action.

Remove residual adhesive from the skin with plenty of soap and water.

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

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

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#### Burns:

Cyanoacrylates give off heat on solidification. Gross contamination with the adhesive may generate enough heat to cause a burn. Burns should be treated normally after the polymer has been removed gently from the skin. If the person experiences a burning sensation, flood the contaminated skin immediately with plenty of cold water to cool the burn. Continue to remove the adhesive by gently peeling or rolling it from the skin whilst soaking the contaminated area in cold water. It will take longer to remove the adhesive with cold water but it will still be effective.

Accidental bonding of clothing with cyanoacrylate adhesive on the human skin:

If the cyanoacrylate adhesive has been splashed on the clothing and has soaked through to the skin, the clothing should never be forcibly removed from the skin. If the clothing has bonded directly on the skin and the person isn't experiencing a burning sensation, the affected area should be soaked with warm soapy water and the clothing removed gently by peeling or rolling back.

Cold water should be used in cases where there is any burning sensation.

Forcible removal of bonded clothing from the skin could lead to mechanical damage occurring to the skin; this could result in a more severe injury.

#### · **After eye contact:**

In the event of the eyelids being bonded, wash thoroughly and gently with warm water and apply a gauze patch over the eye. Do not force the eye open. Seek medical attention.

Cyanoacrylate will bond to the eye protein and will cause periods of weeping which will help to debond the adhesive. The eye will open without any further action in 1-3 days even if gross contamination has occurred. Double vision may be experienced during this period. There should be no residual damage to the eye.

#### · **After swallowing:**

Ensure that breathing passages are not obstructed. The product will polymerise immediately in the mouth, making it almost impossible to swallow.

In the unlikely event of adhesive entering the mouth it will solidify on contact with the moisture in the mouth, bonding directly on the surfaces in the mouth.

Saliva will gradually debond the adhesive over a period of hours. Do not try to pull the polymerised adhesive from the mouth.

Keep checking the mouth to ensure that the person doesn't swallow it when it detaches.

#### · **Information for doctor:** Treat symptomatically and supportively.

#### · **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.

#### · **4.3 Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

## \* SECTION 5: Firefighting measures

### · **5.1 Extinguishing media**

· **Suitable extinguishing agents:** CO<sub>2</sub>, sand, extinguishing powder. Do not use water.

· **For safety reasons unsuitable extinguishing agents:** Water

### · **5.2 Special hazards arising from the substance or mixture**

Combustible

In case of fire, the following can be released:

Carbon monoxide and carbon dioxide

Nitrogen oxides (NO<sub>x</sub>)

In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion.

### · **5.3 Advice for firefighters**

#### · **Protective equipment:**

Do not inhale explosion gases or combustion gases.

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Wear self-contained respiratory protective device.

Wear fully protective suit.

**Additional information**

Cool endangered receptacles with water spray.

Collect contaminated fire fighting water separately. It must not enter the sewage system.

**\* SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

Ensure adequate ventilation

Wear protective equipment. Keep unprotected persons away.

Keep ignition sources away - no smoking.

**6.2 Environmental precautions:**

Do not allow product to reach sewage system or any water course.

Do not allow to penetrate the ground/soil.

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

Ensure adequate ventilation.

Do not use cloths for mopping up. Flood with water to complete polymerisation and scrape off the floor.

Cured material can be disposed of as non-hazardous waste.

**6.4 Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

**\* SECTION 7: Handling and storage****7.1 Precautions for safe handling**

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

Avoid direct contact (skin/eye contact, ingestion and/or inhalation of fume/mist/dust) with the product in the undiluted form.

Use of dispensing equipment is recommended to minimise the risk of skin or eye contact.

Welding and other hot work operations in the work area must only be permitted under supervision.

**Information about fire - and explosion protection:** Keep ignition sources away - Do not smoke.**7.2 Conditions for safe storage, including any incompatibilities****Storage:****Requirements to be met by storerooms and receptacles:** Prevent any seepage into the ground.**Information about storage in one common storage facility:**

Store away from water.

Store away from oxidising agents.

**Further information about storage conditions:**

Keep container tightly sealed.

Store in cool, dry conditions in well sealed receptacles.

**Storage class:** 12**7.3 Specific end use(s)** No further relevant information available.

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### \* SECTION 8: Exposure controls/personal protection

#### · 8.1 Control parameters

##### · Ingredients with limit values that require monitoring at the workplace:

**CAS: 7085-85-0 ethyl 2-cyanoacrylate**

WEL Short-term value: 1.5 mg/m<sup>3</sup>, 0.3 ppm

##### · DNELs

|            |                             |                                             |
|------------|-----------------------------|---------------------------------------------|
| Inhalative | Long-term systemic effects  | 9.25 mg/m <sup>3</sup> (general population) |
|            |                             | 9.25 mg/m <sup>3</sup> (worker)             |
|            | Short-term systemic effects | 9.25 mg/m <sup>3</sup> (general population) |
|            |                             | 9.25 mg/m <sup>3</sup> (worker)             |
|            | Long-term local effects     | 9.25 mg/m <sup>3</sup> (general population) |
|            |                             | 9.25 mg/m <sup>3</sup> (worker)             |
|            | Short-term local effects    | 9.25 mg/m <sup>3</sup> (general population) |
|            |                             | 9.25 mg/m <sup>3</sup> (worker)             |

· **Additional information:** The lists valid during the making were used as basis.

#### · 8.2 Exposure controls

· **Appropriate engineering controls** No further data; see section 7.

· **Individual protection measures, such as personal protective equipment**

· **General protective and hygienic measures:**

Take note of assigned Workplace Exposure Limits.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

Do not inhale gases / fumes / aerosols.

Do not eat, drink, smoke or sniff while working.

A safe system of work must be formulated and followed to ensure safe working with this product. Relevant workers must receive suitable and sufficient training and supervision.

· **Respiratory protection:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

· **Hand protection**



Protective gloves.

Use gloves tested and approved under appropriate government standards such as NIOSH (US) or EN374 (EU).

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves**

Nitrile rubber, NBR

PVC gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

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### · Eye/face protection



Safety glasses with side-shields conforming to EN166.

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

### · Body protection:



Impervious protective clothing

Body protection must be chosen depending on product properties, activity and possible exposure.

## \* SECTION 9: Physical and chemical properties

### · 9.1 Information on basic physical and chemical properties

#### · General Information

|                                                            |                                   |
|------------------------------------------------------------|-----------------------------------|
| · Physical state                                           | Liquid                            |
| · Colour:                                                  | Clear                             |
| · Odour:                                                   | Pungent                           |
| · Odour threshold:                                         | Not determined.                   |
| · Melting point/freezing point:                            | -31 °C                            |
| · Boiling point or initial boiling point and boiling range | 214 °C                            |
| · Flammability                                             | Not applicable.                   |
| · Lower and upper explosion limit                          |                                   |
| · Lower:                                                   | Not determined.                   |
| · Upper:                                                   | Not determined.                   |
| · Flash point:                                             | 825 °C                            |
| · Auto-ignition temperature:                               | Not applicable.                   |
| · Decomposition temperature:                               | Not determined.                   |
| · pH                                                       | Not determined.                   |
| · Viscosity:                                               |                                   |
| · Kinematic viscosity                                      | Not determined.                   |
| · Dynamic at 20 °C:                                        | 2.6 mPas                          |
| · Solubility                                               |                                   |
| · water:                                                   | Not miscible or difficult to mix. |
| · Vapour pressure:                                         | Not determined.                   |
| · Density and/or relative density                          |                                   |
| · Density at 20 °C:                                        | 1.04 g/cm <sup>3</sup>            |
| · Relative density                                         | Not determined.                   |
| · Vapour density                                           | Not determined.                   |

### · 9.2 Other information

|                                                                                 |                                                                                             |
|---------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
| · Appearance:                                                                   |                                                                                             |
| · Form:                                                                         | Fluid                                                                                       |
| · Important information on protection of health and environment, and on safety. |                                                                                             |
| · Ignition temperature:                                                         | Not determined.                                                                             |
| · Explosive properties:                                                         | Product is not explosive. However, formation of explosive air/vapour mixtures are possible. |
| · Molecular weight                                                              | 125.13 g/mol                                                                                |

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|                                                             |                 |
|-------------------------------------------------------------|-----------------|
| · <b>Change in condition</b>                                |                 |
| · <b>Evaporation rate</b>                                   | Not determined. |
| · <b>Information with regard to physical hazard classes</b> | Not applicable  |

### \* SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**  
Decomposes on heating, producing toxic fumes.  
No decomposition if used and stored according to specifications.
- **10.3 Possibility of hazardous reactions**  
Rapid exothermic polymerization will occur in the presence of water, amines, alkalis and alcohols.
- **10.4 Conditions to avoid** Heat and static discharge.
- **10.5 Incompatible materials:**  
Strong oxidising agents.  
Water  
Amines  
Alkalis  
Alcohols
- **10.6 Hazardous decomposition products:**  
Hydrogen cyanide (prussic acid)  
Carbon monoxide and carbon dioxide  
Nitrogen oxides (NO<sub>x</sub>)

### \* SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.

#### · **LD/LC50 values relevant for classification:**

|        |      |                        |
|--------|------|------------------------|
| Oral   | LD50 | > 5,000 mg/kg (rat)    |
| Dermal | LD50 | > 2,000 mg/kg (rabbit) |

- **Primary irritant effect:**
- **Skin corrosion/irritation**  
Causes skin irritation.
- **Serious eye damage/irritation**  
Causes serious eye irritation.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure**  
May cause respiratory irritation.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.
- **Subacute to chronic toxicity:** Prolonged or repeated skin contact may irritate and cause dermatitis.

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- **11.2 Information on other hazards**
- **Endocrine disrupting properties** Substance is not listed.

### SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability** Inherently biodegradable
- **12.3 Bioaccumulative potential** Product is not expected to bioaccumulate.
- **12.4 Mobility in soil** No further relevant information available.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Endocrine disrupting properties** The product does not contain substances with endocrine disrupting properties.
- **12.7 Other adverse effects**
- **Additional ecological information:**
- **General notes:**  
Water hazard class 1 (German Regulation) (Assessment by list): slightly hazardous for water  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

### \* SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**  
Recommended Hierarchy of Controls:
  - Minimise waste;
  - Reuse if not contaminated;
  - Recycle, if possible; or
  - Safe disposal (if all else fails).
 Must not be disposed together with household garbage. Do not allow product to reach sewage system.  
Contact waste processors for recycling information.  
Used, degraded or contaminated product may be classified as hazardous waste. Anyone classifying hazardous waste and determining its fate must be qualified in accordance with state and international legislation.
- **Uncleaned packaging:**
- **Recommendation:**  
Tubes, cartons and bottles containing residual product should be disposed of as chemically contaminated waste in an authorised legal land fill site or incinerated.  
Containers, even those that are "empty," may contain residues that can develop flammable and/or hazardous vapours upon heating. Do not cut, drill, grind, weld, or perform similar operations on or near empty containers.

### \* SECTION 14: Transport information

- |                                                                                                                                                |                                                                                      |
|------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>· <b>14.1 UN number or ID number</b></li> <li>· <b>ADR, ADN, IMDG</b></li> <li>· <b>IATA</b></li> </ul> | <p>Not applicable</p> <p>UN3334</p>                                                  |
| <ul style="list-style-type: none"> <li>· <b>14.2 UN proper shipping name</b></li> <li>· <b>ADR, ADN, IMDG</b></li> </ul>                       | <p>Aviation regulated liquid, n.o.s. (Cyanoacrylate ester)</p> <p>Not applicable</p> |

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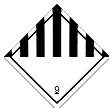
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|                                                                                   |                                                           |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------|
| · <b>IATA</b>                                                                     | Aviation regulated liquid, n.o.s. (ethyl 2-cyanoacrylate) |
| · <b>14.3 Transport hazard class(es)</b>                                          |                                                           |
| · <b>ADR, ADN, IMDG</b>                                                           |                                                           |
| · <b>Class</b>                                                                    | Not applicable                                            |
| · <b>IATA</b>                                                                     |                                                           |
|  |                                                           |
| · <b>Class</b>                                                                    | 9 Miscellaneous dangerous substances and articles.        |
| · <b>Label</b>                                                                    | 9                                                         |
| · <b>14.4 Packing group</b>                                                       | III                                                       |
| · <b>ADR, IMDG, IATA</b>                                                          | Not applicable                                            |
| · <b>14.5 Environmental hazards:</b>                                              |                                                           |
| · <b>Marine pollutant:</b>                                                        | No                                                        |
| · <b>14.6 Special precautions for user</b>                                        | Not applicable.                                           |
| · <b>14.7 Maritime transport in bulk according to IMO instruments</b>             | Not applicable.                                           |
| · <b>UN "Model Regulation":</b>                                                   | Not applicable                                            |

### SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Poisons Act**
- **Regulated explosives precursors** Substance is not listed.
- **Regulated poisons** Substance is not listed.
- **Reportable explosives precursors** Substance is not listed.
- **Reportable poisons** Substance is not listed.
- **Control Of Major Accident Hazards Regulations 2015 (COMAH)**
- **Named dangerous substances - ANNEX I** Substance is not listed.
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

This Safety Data Sheet is in compliance with Regulation (EC) No 1907/2006, Article 31 as amended by Regulation (EU) 2020/878.

- **Training hints**

This product should only be handled by workers who have received sufficient training in the safe handling and use of chemical products.

- **Department issuing SDS:** Product safety department.

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**Abbreviations and acronyms:**

UK- REACH: The UK REACH etc. (Amendment etc.) (EU Exit) Regulations 2019 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals

GB- CLP: Retained GB CLP Regulation (EU) No. 1272/2008 as amended for Great Britain on the Classification, Labelling and Packaging of Chemicals.

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (UK REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

**\* Data compared to the previous version altered.**

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GB

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