

# SAFETY DATA SHEET

## Bijlard Superbond Cyanoacrylate

According to the REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577, as amended.

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

#### 1.1. Product identifier

**Product name** Bijlard Superbond Cyanoacrylate  
**Container size** 50g

**EU REACH registration notes** All chemicals used in this product have been registered under REACH where required.

#### 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** Bijlard International  
Platinastraat 141  
2718 SR Zoetermeer  
The Netherlands  
  
Tel: 00 31 79 343 75 38  
Fax: 00 31 79 343 75 39  
www.bijlard.com

#### 1.4. Emergency telephone number

**Emergency telephone** Bijlard International: Tel: 00 31 79 343 7538 (Maa-Vrij 09:00-17:00)

**National emergency telephone number** National Poisons Information Service (UK): 0844 892 0111 (healthcare professionals only)  
NHS: 111 (members of the public)

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification (SI 2019 No. 720)

**Physical hazards** Not Classified  
**Health hazards** Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 STOT SE 3 - H335  
**Environmental hazards** Not Classified

#### 2.2. Label elements

##### Hazard pictograms



**Signal word** Warning

**Hazard statements** H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H335 May cause respiratory irritation.

## Bijlard Superbond Cyanoacrylate

<b>Precautionary statements</b>	<p>P261 Avoid breathing vapours.</p> <p>P271 Use only outdoors or in a well-ventilated area.</p> <p>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> <p>P302+P352 IF ON SKIN: Wash with plenty of soap and water.</p> <p>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P337+P313 If eye irritation persists: Get medical advice/ attention.</p>
<b>Supplemental label information</b>	EUH202 Cyanoacrylate. Danger. Bonds skin and eyes in seconds. Keep out of the reach of children.
<b>Contains</b>	ETHYL 2-CYANOACRYLATE
<b>Supplementary precautionary statements</b>	<p>P264 Wash contaminated skin thoroughly after handling.</p> <p>P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.</p> <p>P321 Specific treatment (see medical advice on this label).</p> <p>P332+P313 If skin irritation occurs: Get medical advice/ attention.</p> <p>P362+P364 Take off contaminated clothing and wash it before reuse.</p> <p>P312 Call a POISON CENTRE/doctor if you feel unwell.</p> <p>P403+P233 Store in a well-ventilated place. Keep container tightly closed.</p> <p>P405 Store locked up.</p> <p>P501 Dispose of contents/ container in accordance with national regulations.</p>

### 2.3. Other hazards

Contact with skin through cellulose based fabrics (i.e cotton, Rayon, viscose) generates heat and may cause burns. This product does not contain any substances classified as PBT or vPvB.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

<b>ETHYL 2-CYANOACRYLATE</b>	<b>60-100%</b>
CAS number: 7085-85-0	EC number: 230-391-5
<b>Classification</b> Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 STOT SE 3 - H335	
<b>HYDROQUINONE</b>	<b>&lt;1%</b>
CAS number: 123-31-9	EC number: 204-617-8
M factor (Acute) = 1	
<b>Classification</b> Acute Tox. 4 - H302 Eye Dam. 1 - H318 Skin Sens. 1 - H317 Muta. 2 - H341 Carc. 2 - H351 Aquatic Acute 1 - H400	

The full text for all hazard statements is displayed in Section 16.

**Composition comments** This product does not contain nanoforms.

**Ingredient notes** Where required, the acute toxicity estimate (ATE) for any substance is listed in Section 11.

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### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

<b>General information</b>	Move affected person to fresh air at once. Get medical attention if any discomfort continues. Cyanoacrylate. Danger. Bonds skin and eyes in seconds. Keep out of the reach of children. If adhesive bonding occurs, do not force eyelids apart. If adhesive bonding occurs, do not force skin apart. If adhesive bonding occurs, prise the skin apart slowly, working from the edge of the bonded area.
<b>Inhalation</b>	Due to the small packaging, the risk of inhalation is minimal. Move affected person to fresh air at once. Get medical attention if any discomfort continues.
<b>Ingestion</b>	The product will harden into a solid mass in contact with water and moisture. May be a choking hazard. Consult a physician for specific advice.
<b>Skin contact</b>	If adhesive bonding occurs, do not force skin apart. Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if irritation persists after washing.
<b>Eye contact</b>	If adhesive bonding occurs, do not force eyelids apart. Wash with plenty of water. Continue to rinse for at least 15 minutes. Get medical attention. Cover with wet pad soaked in warm water. Get prompt medical attention in case solid particles of cured cyanoacrylate trapped behind the eye cause abrasive damage. Keep eye covered with wet pad until debonding is complete, usually 1-3 days. Transfer to hospital for specialist examination.

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

<b>General information</b>	The severity of the symptoms described will vary dependent on the concentration and the length of exposure. Bonds skin and eyes in seconds.
<b>Inhalation</b>	Irritation of nose, throat and airway. Coughing, chest tightness, feeling of chest pressure.
<b>Ingestion</b>	Ingestion may cause severe irritation of the mouth, the oesophagus and the gastrointestinal tract. May be a choking hazard.
<b>Skin contact</b>	Prolonged contact may cause redness, irritation and dry skin. Burns can occur.
<b>Eye contact</b>	Irritation of eyes and mucous membranes. Profuse watering of the eyes.

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

<b>Notes for the doctor</b>	This can be eased by using warm soapy water. If adhesive bonding occurs, do not force eyelids apart. Apply a pad soaked in warm water and allow the eyelids to separate.
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### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

**Suitable extinguishing media** Extinguish with foam, carbon dioxide or dry powder.

#### 5.2. Special hazards arising from the substance or mixture

**Hazardous combustion products** Carbon dioxide (CO<sub>2</sub>). Carbon monoxide (CO). Oxides of nitrogen.

#### 5.3. Advice for firefighters

**Protective actions during firefighting** Avoid breathing fire gases or vapours.

**Special protective equipment for firefighters** Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

### SECTION 6: Accidental release measures

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### 6.1. Personal precautions, protective equipment and emergency procedures

**Personal precautions** Avoid inhalation of vapours and contact with skin and eyes. Wear protective clothing as described in Section 8 of this safety data sheet.

### 6.2. Environmental precautions

**Environmental precautions** Collect and dispose of spillage as indicated in Section 13.

### 6.3. Methods and material for containment and cleaning up

**Methods for cleaning up** Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Provide adequate ventilation. Polymerise with water, collect solid polymer for disposal.

### 6.4. Reference to other sections

**Reference to other sections** For personal protection, see Section 8. For waste disposal, see section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

**Usage precautions** Do not handle until all safety precautions have been read and understood. Avoid contact with skin and eyes. Provide adequate ventilation.

**Advice on general occupational hygiene** Wash after use and before eating, smoking and using the toilet. When using do not eat, drink or smoke.

### 7.2. Conditions for safe storage, including any incompatibilities

**Storage precautions** Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep away from heat, sparks and open flame. Keep only in the original container.

### 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**

Long-term exposure limit (8-hour TWA): WEL 0.2 ppm

Short-term exposure limit (15-minute): WEL 1.5 mg/m<sup>3</sup>

#### **HYDROQUINONE**

Long-term exposure limit (8-hour TWA): WEL 0.5 mg/m<sup>3</sup>

WEL = Workplace Exposure Limit.

### 8.2. Exposure controls

#### **Protective equipment**



**Appropriate engineering controls**

Provide adequate ventilation. Avoid inhalation of vapours. Observe any occupational exposure limits for the product or ingredients.

**Eye/face protection**

Tight-fitting safety glasses.

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<b>Hand protection</b>	Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. Nitrile rubber. Viton rubber (fluoro rubber). Protective gloves should have a minimum thickness of 0.3 mm. The selected gloves should have a breakthrough time of at least 2 hours. Frequent changes are recommended. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material.
<b>Other skin and body protection</b>	Wear apron or protective clothing in case of contact.
<b>Hygiene measures</b>	Ensure suitable ventilation of area. No specific hygiene procedures recommended but good personal hygiene practices should always be observed when working with chemical products.
<b>Respiratory protection</b>	Respiratory protection complying with an approved standard should be worn if a risk assessment indicates inhalation of contaminants is possible. Gas filter, type AX.
<b>Thermal hazards</b>	Cyanoacrylates can cause thermal burns due to the heat produced when curing.

### SECTION 9: Physical and chemical properties

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

<b>Appearance</b>	Liquid.
<b>Colour</b>	Colourless.
<b>Odour</b>	Characteristic.
<b>pH</b>	Not applicable.
<b>Melting point</b>	Not applicable.
<b>Initial boiling point and range</b>	>150°C @ 1013 hPa
<b>Flash point</b>	> 85°C
<b>Evaporation rate</b>	No information available.
<b>Upper/lower flammability or explosive limits</b>	Not available.
<b>Vapour pressure</b>	~0.04 mm Hg @ 25°C
<b>Relative density</b>	1.04 @ 20°C
<b>Solubility(ies)</b>	Hardens in contact with water. Soluble in the following materials: acetone
<b>Partition coefficient</b>	Estimated value. Kow: < 1
<b>Viscosity</b>	1100 - 1500 mm <sup>2</sup> /s @ 25°C
<b>Oxidising properties</b>	Does not meet the criteria for classification as oxidising.

#### 9.2. Other information

<b>Particle size</b>	Not available.
<b>Volatile organic compound</b>	30 g/l

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

<b>Reactivity</b>	Reactions with the following materials may generate heat: Alcohols, glycols. Alkalis. Amines. Amides. Reacts strongly with water.
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### 10.2. Chemical stability

**Stability** Stable at normal ambient temperatures and when used as recommended.

### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** Polymerises easily with evolution of heat. Reactions with the following materials may generate heat: Alcohols, glycols. Water, moisture. Amines. Amides. Alkalis.

### 10.4. Conditions to avoid

**Conditions to avoid** Avoid contact with water. Avoid exposure to high temperatures or direct sunlight.

### 10.5. Incompatible materials

**Materials to avoid** Water, moisture. Alkalis. Amines. Alcohols. Strong oxidising agents.

### 10.6. Hazardous decomposition products

**Hazardous decomposition products** Oxides of carbon. Oxides of nitrogen.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity - oral

**Summary** Based on available data the classification criteria are not met.

**Acute toxicity oral (LD<sub>50</sub> mg/kg)** 5,000.0

**Species** Rat

#### Acute toxicity - dermal

**Summary** Based on available data the classification criteria are not met.

**Acute toxicity dermal (LD<sub>50</sub> mg/kg)** 2,000.0

**Species** Rabbit

#### Acute toxicity - inhalation

**Summary** Based on available data the classification criteria are not met.

#### Skin corrosion/irritation

**Summary** Causes skin irritation.

#### Serious eye damage/irritation

**Summary** Causes serious eye irritation.

#### Respiratory sensitisation

**Summary** Based on available data the classification criteria are not met.

#### Skin sensitisation

**Summary** Based on available data the classification criteria are not met.

#### Germ cell mutagenicity

**Summary** Based on available data the classification criteria are not met.

#### Carcinogenicity

**Summary** Based on available data the classification criteria are not met.

#### Reproductive toxicity

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**Summary** Based on available data the classification criteria are not met.

### Specific target organ toxicity - single exposure

**Summary** May cause respiratory irritation.

**Target organs** Respiratory system, lungs

### Specific target organ toxicity - repeated exposure

**Summary** Based on available data the classification criteria are not met.

### Aspiration hazard

**Summary** Based on available data the classification criteria are not met.

## 11.2. Information on other hazards

**11.2.1. Endocrine disrupting properties** There are no adverse health effects caused by endocrine disrupting properties.

**11.2.2. Other information** No information available.

### Toxicological information on ingredients.

#### ETHYL 2-CYANOACRYLATE

##### Acute toxicity - oral

**Acute toxicity oral (LD<sub>50</sub> mg/kg)** 5.0

**Species** Rat

#### HYDROQUINONE

##### Acute toxicity - oral

**Acute toxicity oral (LD<sub>50</sub> mg/kg)** 150.0

**Species** Mouse

**ATE oral (mg/kg)** 500.0

## SECTION 12: Ecological information

**Ecotoxicity** The product is not expected to be hazardous to the environment.

### 12.1. Toxicity

**Toxicity** Not regarded as dangerous for the environment

### Ecological information on ingredients.

#### HYDROQUINONE

##### Acute aquatic toxicity

**LE(C)<sub>50</sub>** 0.1 < L(E)C<sub>50</sub> ≤ 1

**M factor (Acute)** 1

### 12.2. Persistence and degradability

**Persistence and degradability** No data available.

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### 12.3. Bioaccumulative potential

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

**Partition coefficient** Estimated value. Kow: < 1

### 12.4. Mobility in soil

**Mobility** Not considered mobile. The product hardens to a solid, immobile substance.

### 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.

### 12.6. Other adverse effects

**12.6. Endocrine disrupting properties** There are no adverse effects on the environment caused by endocrine disrupting properties.

**12.7. Other adverse effects** None known.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**General information** Waste is classified as hazardous waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

**Disposal methods** Transfer to a suitable container and arrange for collection by specialised disposal company. Or polymerise slowly with water (10:1, adhesive : water). Hardened product can be disposed of in land-fill sites by licensed contractors.

**Waste class** 08 04 09\*

## SECTION 14: Transport information

### 14.1. UN number

**UN No. (ADR/RID)** Not regulated.

**UN No. (IMDG)** Not regulated.

**UN No. (ICAO)** 3334

**UN No. (ADN)** Not regulated.

### 14.2. UN proper shipping name

**Proper shipping name (ADR/RID)** Not regulated.

**Proper shipping name (IMDG)** Not regulated.

**Proper shipping name (ICAO)** AVIATION REGULATED LIQUID, N.O.S. (ETHYL 2-CYANOACRYLATE)

**Proper shipping name (ADN)** Not regulated.

### 14.3. Transport hazard class(es)

**ICAO class/division** 9

### Transport labels



### 14.4. Packing group



## Bijlard Superbond Cyanoacrylate

ICAO packing group III

### 14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

### 14.6. Special precautions for user

Not applicable.

### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code No information required.

No information required.

## SECTION 15: Regulatory information

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

**National regulations** The Control of Substances Hazardous to Health Regulations 2002 (SI 2002 No. 2677) (as amended).  
Health and Safety at Work etc. Act 1974 (as amended).

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

## SECTION 16: Other information

**Classification procedures according to SI 2019 No. 720** Skin Irrit. 2 - H315: Calculation method. Eye Irrit. 2 - H319: Calculation method. STOT SE 3 - H335: Calculation method.

**Issued by** Technical Department

**Revision date** 16/10/2023

**Revision** 8.2

**Supersedes date** 18/02/2021

**SDS number** 11450

**Hazard statements in full** H302 Harmful if swallowed.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H318 Causes serious eye damage.  
H319 Causes serious eye irritation.  
H335 May cause respiratory irritation.  
H341 Suspected of causing genetic defects.  
H351 Suspected of causing cancer.  
H400 Very toxic to aquatic life.

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.