

C-Bond

by

Glassbond

Material Safety Data Sheet

Safety Data Sheet according to regulation (EC) N°1907/2006, (EU) 2015/830, 1272/2008(CLP) & 453/2010

Date Revised : 19.12.2022

Revision : 01

Product : **L119 – Cyanoacrylate Instant Adhesive**

Section 1 : Identification of the Substance/Mixture and of the Company/ Undertaking

- 1.1 Product Identifier
Product name : C-Bond Cyanoacrylate instant adhesive – L119 Gel
REACH notes : Substances contained in this product that are not classified as hazardous have been/will be registered for UK/EU REACH at the appropriate time.
- 1.2 Relevant identified uses of the mixture and uses advised against.
Identified use : PC1, Adhesives, sealants
Uses advised against : No other uses
- 1.3 Details of the supplier of the safety data sheet
Company identification Glassbond (NW) Ltd
West Side Industrial Estate
Jackson Street
St. Helens
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- Telephone +44(0)1744 730334
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Email technical@glassbond.co.uk
- 1.4 Emergency telephone number +44(0)1744 730334
(GMT, English spoken, Mon-Friday; 08.30-16.30)

Section 2 : Hazard Identification

- 2.1 Classification of the mixture:
Regulation (EC) No. 1272/2008(CLP)
STOT SE 3: H335; Eye Irrit. 2: H319; Skin Irrit. 2: H315;
Most important adverse effects:
Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation.
- 2.2 Label elements (According to Regulation (EC) No. 1272/2008(CLP))



GHS07

Signal word (s) Warning

Hazard Statement(s) H315: Causes skin irritation.
H319: Causes serious eye irritation.
H335: May cause respiratory irritation.

Precautionary Statement(s): P280: Wear protective gloves/protective clothing/eye protection/face protection.
P337+313: If eye irritation persists: Get medical advice/attention.
P271: Use only outdoors or in a well-ventilated area.
P264: Wash thoroughly after handling.
P302+352: IF ON SKIN: Wash with plenty of water.
P261: Avoid breathing dust/fumes/gas/mist/vapours/spray.
P304+340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312: Call a POISON CENTER or doctor/physician if you feel unwell.
P321: Specific treatment (see instructions on this label).
P362: Take off contaminated clothing.
P332+313: If skin irritation occurs: Get medical advice/attention.
P403+233: Store in a well-ventilated place. Keep container tightly closed.

EUH-statements: EUH202 – Cyanoacrylate. Danger. Bonds skin and eyes in seconds. Keep out of the reach of children.

2.3 Other Hazards
This product is not identified as a PBT/vPvB substance

Section 3 : Composition/Information on Ingredients

3.2 Hazardous ingredients:

Ethyl-2-cyanoacrylate

EINECS	CAS	PBT/WEL	CLP Classification	Percent
230-391-5	7085-85-0	-	Eye Irrit. 2: H319; STOT SE 3: H335; Skin Irrit. 2: H315 Specific concentration limit: $10 \leq C < 100$	50-100 %

Hydroquinone

EINECS	CAS	PBT/WEL	CLP Classification	Percent
204-617-8	123-31-9	-	Acute Tox. 4: H302; Eye Dam. 2: H318; Skin Sens. 1: H317; Muta. 2: H341; Carc. 2: H351; Aquatic Acute 1: H400; Aquatic Chronic: H410	0.01 – 0.1 %

Section 4 : First Aid Measures

4.1 Description of first aid measures

Inhalation	Remove person to fresh air and keep comfortable for breathing. Call a poison center or a doctor if you feel unwell.
Eyes	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Skin	Exothermic reaction on contact with: skin. Wash skin with plenty of water. Take off contaminated clothing. If skin irritation occurs: Get medical advice/attention.
Ingestion	Call a poison center or a doctor if you feel unwell.

4.2 Most important symptoms and effects, both acute and delayed

Inhalation	May cause irritation to the respiratory tract, sneezing, coughing, burning sensation of throat with constricting sensation of the larynx and difficulty in breathing. May cause respiratory irritation
Eyes	Eye irritation.
Skin	Rednesses. Irritation.

4.3 Indication of any immediate medical attention and special treatment needed

Immediate/special treatment	Treat symptomatically.
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Section 5 : Fire-Fighting Measures

5.1 Extinguishing media	Water spray. Dry powder. Foam. Carbon dioxide.
5.2 Special hazards arising from the mixture	Toxic fumes may be released from decomposition.
5.3 Advice for fire fighters	Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

Section 6 : Accidental Release Measures

- 6.1 Personal Precautions, protective equipment and emergency procedures
Clean up any spills as soon as possible, using an absorbent material to collect it. Wear recommended personal protective equipment.
- 6.2 Environmental Precautions
Avoid release to the environment.
- 6.3 Methods and material for containment and cleaning up
Take up liquid spill into absorbent material. Dispose of materials or solid residues at an authorized site.
- 6.4 Reference to other sections
Refer to sections 8 and 13 of SDS.

Section 7 : Handling and Storage

- 7.1 Precautions for safe handling
Handling requirements Use only outdoors or in a well-ventilated area. Avoid breathing fume, gas, mist, spray, vapours, dust. Avoid contact with skin and eyes. Wear personal protective equipment. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.
- 7.2 Conditions for safe storage, including any incompatibilities
Storage conditions Ensure adequate ventilation, especially in confined areas. Store locked up. Store in a well-ventilated place. Keep container tightly closed. Keep cool.
- 7.3 Specific end use(s) Adhesive.

Section 8 : Exposure Controls/Personal Protection

- 8.1 Control parameters

Exposure limit values for other components

Ethyl-2-cyanoacrylate (7085-85-0)

Workplace Exposure Limits

State	WEL STEL (OEL STEL)	WEL STEL (OEL STEL) [ppm]	Regulatory reference
UK	0.5 mg/m ³	0.3 ppm	EH40/2005 (Fourth edition, 2020). HSE

Hydroquinone (123-31-9)

Workplace Exposure Limits

State	WEL TWA (OEL TWA)	Regulatory reference
UK	0.5 mg/m ³	EH40/2005 (Fourth edition, 2020). HSE

DNEL and PNEC

Ethyl-2-cyanoacrylate (7085-85-0)

DNEL/DMEL (Workers)

Acute - systemic effects, inhalation 9.25 mg/m³

Acute - local effects, inhalation 9.25 mg/m³

Long-term - systemic effects, inhalation 9.25 mg/m³

Long-term - local effects, inhalation 9.25 mg/m³

DNEL/DMEL (General population)

Acute - systemic effects, inhalation 9.25 mg/m³

Acute - local effects, inhalation 9.25 mg/m³

Long-term - systemic effects, inhalation 9.25 mg/m³

Long-term - local effects, inhalation 9.25 mg/m³

Hydroquinone (123-31-9)

DNEL/DMEL (Workers)

Long-term - systemic effects, dermal 3.33 mg/kg bodyweight/day

Long-term - systemic effects, inhalation 2.1 mg/m³

Long-term - local effects, inhalation 1 mg/m³

DNEL/DMEL (General population)

Long-term - systemic effects, oral 0.6 mg/kg bodyweight/day

Long-term - systemic effects, inhalation 1.05 mg/m³

Long-term - systemic effects, dermal 1.66 mg/kg bodyweight/day

Long-term - local effects, inhalation 0.5 mg/m³

PNEC (Water)

PNEC aqua (freshwater) 0.57 µg/l

PNEC aqua (marine water)	0.057 µg/l
PNEC aqua (intermittent, freshwater)	1.34 µg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	4.9 µg/kg dw
PNEC sediment (marine water)	0.49 µg/kg dw
PNEC (Soil)	
PNEC soil	0.64 µg/kg dw
PNEC (STP)	
PNEC sewage treatment plant	0.71 mg/l

8.2 Exposure controls

Engineering measures: ensure there is sufficient ventilation of the area.

Respiratory protection: In case of insufficient ventilation, wear suitable respiratory equipment.

Hand protection: protective gloves.

Eye protection: tightly fitting safety goggles.

Skin protection: protective clothing.

Section 9 : Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

State	Liquid
Colour	Colourless
Odour	Characteristic
Evaporation rate	No data available
Oxidising	No data available
Solubility in water	Insoluble
Also soluble in	Acetone
Viscosity mPa.s @ 25°C	100,000 – 200,000
Boiling point/range (°C)	> 149
Melting point/range (°C)	No data available
Flammability limits %: lower:	No data available
Flammability limits %: upper:	No data available
Flash point (°C)	80 – 93.4 (Closed cup)
Autoflammability (°C)	No data available
Relative density	~1.05 g/mL
VOC content	< 3%
Part.coeff. n-octanol/water	No data available
Vapour pressure (bar)	0.27
pH	Not applicable

Section 10 : Stability and Reactivity

10.1	Reactivity	Stable under recommended transport or storage conditions.
10.2	Chemical Stability	Stable under normal conditions.
10.3	Possibility of Hazardous reactions	No dangerous reactions known under normal conditions of use.
10.4	Conditions to Avoid	None under recommended storage and handling conditions (see section 7).
10.5	Incompatible materials	Incompatible with water, humid air.
10.6	Hazardous Decomposition Products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11 : Toxicological information

Acute toxicity (oral): Not classified

Acute toxicity (dermal): Not classified

Acute toxicity (inhalation): Not classified

L119	
LD50 oral rat	> 5000 mg/kg
LD50 dermal	> 2000 mg/kg

Ethyl-2-cyanoacrylate (7085-85-0)	
LD50 oral rat	> 5000 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 401 (Acute Oral Toxicity)
LD50 dermal rabbit	> 2000 mg/kg bodyweight Animal: rabbit, Animal sex: male, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
STOT-single exposure	May cause respiratory irritation.
STOT-repeated exposure	Not classified
Aspiration hazard	Not classified

Hydroquinone (123-31-9)	
LD50 dermal rabbit	> 2000 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Guideline: EU Method B.3 (Acute Toxicity (Dermal))

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
STOT-single exposure :	May cause respiratory irritation.

Section 12 : Ecological Information

12.1 Toxicity Ecotoxicity values	The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
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Hydroquinone (123-31-9)	
LC50 - Fish [1]	0.638 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)
EC50 - Crustacea [1]	0.134 mg/l Test organisms (species): Daphnia magna
EC50 - Crustacea [2]	0.061 mg/l Test organisms (species): Daphnia magna

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	No additional information available

Section 13 : Disposal Consideration

13.1 Waste treatment methods Disposal operations	Transfer to a suitable container and arrange for collections by specialised disposal company.
NB.	The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Other information	This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010
Phrases used in s.2 and s.3	EUH202: Cyanoacrylate. Danger. Bonds skin and eyes in seconds. Keep out of the reach of children. H315: Causes skin irritation H319: Causes serious eye irritation H335: May cause respiratory irritation

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