

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 : 09.01.2023

Revision : 01

Product : **L138 – 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 – L138 Liquid
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
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Jackson Street
St. Helens
Merseyside WA9 3AT
United Kingdom
- Telephone +44(0)1744 730334
Fax +44(0)1744 451661
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.
Contains: Ethyl-2-cyanoacrylate
- 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): P101 - If medical advice is needed, have product container or label at hand.
P102 - Keep out of reach of children.
P261 - Avoid breathing Avoid breathing (dust, vapor, mist, gas).
P271 - Use only outdoors or in a well-ventilated area.
P405 - Store locked up.
P501 - Dispose of contents to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste.

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	50-100 %
			Specific concentration limit: $10 \leq C < 100$	

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.

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

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	Black
Odour	Characteristic
Evaporation rate	No data available
Oxidising	No data available
Solubility in water	Insoluble
Also soluble in	Acetone
Viscosity mPa.s @ 25°C	4000 – 7000
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

L138	
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.

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 Disposal must be done according to official regulations. Dispose of contents/container in accordance with licensed collector's sorting instructions.

NB. The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14 : Transport Information

Transport class This product does not require a classification for transport

Section 15 : Regulatory Information

15.1 EU Regulations

REACH Annex XVII (Restriction List)	Reference code: 3(b) L138
REACH Annex XIV (Authorisation List)	Contains no substance(s) listed on REACH Annex XIV (Authorisation List)
REACH Candidate List (SVHC)	Contains no substance(s) listed on the REACH Candidate List
PIC Regulation (Prior Informed Consent)	Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)
POP Regulation (Persistent Organic Pollutants)	Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)
Ozone Regulation (1005/2009)	Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)
Explosives Precursors Regulation (2019/1148)	Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)
Drug Precursors Regulation (273/2004)	Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.2 Chemical safety assessment:
No chemical safety assessment has been carried out.

Section 16 : Other Information

* Sections Revised	N/A	Supersedes date	N/A
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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

This information relates only to the specific material designated and 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 and without acceptance of liability for loss or damage attributable to reliance thereon as conditions of use lie outside our control. Users should always carry tests to establish the suitability of any products for their intended applications. No statements shall be incorporated in any contract unless expressly agreed in writing or construed as recommending the use of any product in conflict of any patent. All goods are supplied subject to Glassbond Ltd's General Conditions of Sale.
