

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 : **L401 – Glassbond Debonder**

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

- 1.1 Product Identifier
Product name : C-Bond Adhesive Debonder – L401
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 : Debonder liquid for the removal of cyanoacrylate (superglue) adhesives.
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
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)
Eye Irrit 2:H319
Most important adverse effects:
Causes serious eye irritation.
- 2.2 Label elements (According to Regulation (EC) No. 1272/2008(CLP))



GHS07: Harmful

Signal Word(s) Warning

Precautionary Statement(s): P264: Wash hands thoroughly after handling.
P280: Wear protective gloves/eye protection.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.
P337 + P313: If eye irritation persists: Get medical attention.

Haz. Ingredients (label): POLYPROPYLENE CARBONATE.

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

Section 3 : Composition/Information on Ingredients

3.2 Hazardous Ingredients:

POLYPROPYLENE CARBONATE – REACH registered number(s): 01-2119537232-48-XXXX

EINECS	CAS	PBT/WEL	CLP Classification	Percent
203-572-1	108-32-7	-	Eye Irrit 2:H319	>70

Section 4 : First Aid Measures

4.1 Description of first aid measures

Inhalation Remove casualty from exposure ensuring one's own safety whilst doing so.

Eyes Remove contact lenses if easily and quickly possible. Bathe the eye with running water for 15 minutes. Consult a doctor.

Skin Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.

Ingestion Wash out mouth with water. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Consult a doctor.

4.2 Most important symptoms and effects, both acute and delayed

Inhalation	There may be tightness of the chest.
Eyes	There may be pain and redness. The eyes may water profusely. There may be severe pain. The vision may become blurred.
Skin	There may be irritation and redness at the site of contact
Ingestion	There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.

4.3 Indication of any immediate medical attention and special treatment needed

Immediate/special treatment Eye bathing equipment should be available on the premises.

Section 5 : Fire-Fighting Measures

5.1	Extinguishing media	Carbon dioxide. Dry chemical powder. Use water spray to cool containers. Unsuitable extinguishing media: High volume water jet.
5.2	Special hazards arising from the mixture	In combustion emits toxic fumes of carbon dioxide/carbon monoxide.
5.3	Advice for fire fighters	Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

Section 6 : Accidental Release Measures

- 6.1 Personal Precautions, protective equipment and emergency procedures
Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not attempt to take action without suitable protective clothing - see section 8 of SDS. Turn leaking containers leak-side up to prevent the escape of liquid.
- 6.2 Environmental Precautions
Do not discharge into drains or rivers. Contain the spillage using bunding.
- 6.3 Methods and material for containment and cleaning up
Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method. Refer to section 13.
- 6.4 Reference to other sections
Refer to sections 8 and 13 of SDS.
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Section 7 : Handling and Storage

- 7.1 Precautions for safe handling
 Handling requirements Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Avoid the formation or spread of mists in the air. Do not eat, drink or smoke when handling the material.
- 7.2 Conditions for safe storage, including any incompatibilities
 Storage conditions Store in a cool, well-ventilated area. Keep away from sources of ignition.
- 7.3 Specific end use(s) No data available.

Section 8 : Exposure Controls/Personal Protection

Hazardous Ingredients:

8.1 Control parameters

Workplace Exposure Limits
 No data available

DNEL/PNEC

Hazardous Ingredients:

POLYPROPYLENE CARBONATE

Type	Exposure	Value	Population	Effect
DNEL	Inhalation (repeated dose)	70.53 mg/m ³	Workers	Systemic
DNEL	Inhalation (repeated dose)	20 mg/m ³	Workers	Local
DNEL	Dermal (repeated dose)	10 mg/Kg bw/day	Workers	Systemic
DNEL	Inhalation (repeated dose)	17.4 mg/m ³	Consumers	Systemic
DNEL	Inhalation (repeated dose)	10 mg/m ³	Consumers	Local
DNEL	Dermal (repeated dose)	10 mg/Kg bw/day	Consumers	Systemic
DNEL	Oral (repeated dose)	10 mg/Kg bw/day	Consumers	Systemic
PNEC	Fresh water	0.9 mg/l	-	-
PNEC	Marine water	0.9 mg/l	-	-
PNEC	Microorganisms in sewage treatment	7400 mg/l	-	-
PNEC	Soil (agricultural)	0.81 mg/l	-	-

8.2 Exposure controls

Engineering measures: ensure there is sufficient ventilation of the area.
 Respiratory protection: self-contained breathing apparatus must be available in case of emergency.
 Hand protection: nitrile gloves.
 Eye protection: tightly fitting safety goggles. Ensure eye bath is to hand.
 Skin protection: protective clothing.

Section 9 : Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

State	Liquid
Colour	Colourless
Odour	Barely perceptible odour
Evaporation rate	Negligable
Oxidising	Non-oxidising
Solubility in water	Miscible in all proportions
Also soluble in	Ethanol, Acetone
Viscosity mPa.s @ 25°C	Non-viscous
Kinematic viscosity	1.6 cSt
Viscosity testing method	Kinematic viscosity in 10 ⁻⁶ m ² /s at 40°C (ISO 3104/3105)
Boiling point/range (°C)	235
Flammability limits %: lower:	4.7
Flammability limits %: upper:	21
Flash point (°C)	135
Autoflammability (°C)	430
Relative density	1.2g/cm ³
Melting point/range (°C)	-49
Part.coeff. n-octanol/water	-0.48
Vapour pressure	0.02kPa@20°C
pH	7

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	Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below.
10.4	Conditions to Avoid	Heat.
10.5	Incompatible materials	Strong oxidising agents. Strong acids.
10.6	Hazardous Decomposition Products	In combustion emits toxic fumes of carbon dioxide/carbon monoxide.

Section 11 : Toxicological information

Hazardous Ingredients:

POLYPROPYLENE CARBONATE
DERMAL RBT LD50 >2000 mg/Kg
ORAL RAT LD50 33520 mg/Kg

Relevant hazards for product:

Hazard	Route	Basis
Serious eye damage/irritation	OPT	Hazardous: calculated

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be pain and redness. The eyes may water profusely. There may be severe pain. The vision may become blurred.

Ingestion: There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.

Inhalation: There may be tightness of the chest.

Section 12 : Ecological Information

12.1 Toxicity

Hazardous ingredients:

POLYPROPYLENE CARBONATE

Carp (Cyprinus Carpio): 96H LC50 >1000 mg/l

Daphnia magna: 48H EC50 >1000 mg/l

Green Algae (Selenastrum capricornutum): 72H ErC50 900 mg/l

12.2	Persistence and degradability	Biodegradable.
12.3	Bioaccumulative potential	No bioaccumulation potential.
12.4	Mobility in soil	Readily absorbed into soil.
12.5	Results of PBT and vPvB assessment	This product is not identified as a PBT/vPvB substance.
12.6	Other adverse effects	Negligible ecotoxicity.

Section 13 : Disposal Consideration

- 13.1 Waste treatment methods
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|-----------------------|---|
| Disposal operations | Transfer to a suitable container and arrange for collections by specialised disposal company. |
| Disposal of packaging | Dispose of in a regulated landfill site or other method for hazardous or toxic wastes. May be reused following decontamination. Clean with water. |
| 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 Safety, health and environmental regulations/legislation specific for the substance or mixture:
Specific regulations
National regulations:
The Chemicals (Hazard Information and Packaging for Supply Regulations 2009 (SI 2009 No.716)
EU Legislation:
Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).
COMMISSION REGULATION (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)
Guidance:
Workplace Exposure Limits EH40.
CHIP for everyone HSG228.
Safety Data Sheets for Substances and Preparations.
Approved Classification and Labelling Guide (Sixth edition) L131.
- 15.2 Chemical safety assessment:
A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

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 2015/830
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Phrases used in s.2 and s.3	H315: Causes skin irritation.
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