

# 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 : **L201 – Glassbond Adhesive Primer**

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

- 1.1 Product Identifier  
Product name : C-Bond Adhesive Primer – L201  
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 : PC15, Non-metal surface treatment products. Solvent based primer for treating surfaces prior to bonding with cyanoacrylate 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](mailto: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)  
Asp Tox 1: H304; Aquatic Chronic 2:H411; Flam Liq 2: H225; Skin Irrit. 2: H315; STOT SE 2: H336  
Most important adverse effects:  
Highly flammable liquid and vapour. May be fatal if swallowed and enters airways. Causes skin irritation. May cause drowsiness or dizziness. Toxic to aquatic life with long lasting effects.
- 2.2 Label elements (According to Regulation (EC) No. 1272/2008(CLP))



GHS07: Harmful  
GHS08: Health Hazard  
GHS09: Dangerous for the environment  
GHS02: Flammable

Signal Word(s) Danger

Hazard Statement(s) H225: Highly flammable liquid and vapour.  
H304: May be fatal if swallowed and enters airways.  
H315: Causes skin irritation.  
H336: May cause drowsiness or dizziness.  
H411: Toxic to aquatic life with long lasting effects.

Precautionary Statement(s): P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P302+352: IF ON SKIN: Wash with plenty of water.  
P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P241: Use explosion proof electrical/ventilating/lighting/...equipment.  
P301+310: IF SWALLOWED: Immediately call a POISON CENTER or doctor.  
P362+P364: Take off contaminated clothing and wash it before reuse.

Haz. Ingredients (label): HYDROCARBONS, C7, N-ALKANES, ISOALKANES, CYCLICS; TETRAHYDROFURAN.

2.3 Other Hazards

In use, may form flammable/explosive vapour-air mixture.  
This product is not identified as a PBT/vPvB substance

**Section 3 : Composition/Information on Ingredients**

3.2 Hazardous Ingredients:

HYDROCARBONS, C7, N-Alkanes, ISOALKANES, CYCLICS – REACH registered number(s): 01-2119475515-33

EINECS	CAS	PBT/WEL	CLP Classification	Percent
927-510-4	-	-	Flam Liq. 2:H225; Asp Tox. 1:H304; Skin Irrit. 2:H315; STOT SE 3:H336;Aquatic Chronic 2:H411	>65

TETRAHYDROFURAN – REACH registered number(s): 01-2119444314-46-XXXX

EINECS	CAS	PBT/WEL	CLP Classification	Percent
9203-726-8	109-99-9	-	Flam Liq. 2:H225; Carc. 2:H351; Eye Irrit. 2:H319; STOT SE 3:H335; EUH019	0.3-1

**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. Consult a doctor.
Eyes	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	Do not induce vomiting. Wash out mouth with water. Consult a doctor.

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

Inhalation	Drowsiness or mental confusion can occur. Absorption through the lungs can occur causing symptoms similar to those of ingestion.
Eyes	There may be irritation and redness.
Skin	There may be irritation and redness at the site of contact. Prolonged or repeated contact may cause defatting of the skin, which can lead to dermatitis.
Ingestion	Aspiration into the lungs may cause chemical pneumonitis, which can be fatal. There may be soreness and redness of the mouth and throat. There may be difficulty swallowing. Nausea and stomach pain may occur. There may be vomiting. Inhalation of fumes from the stomach may cause symptoms similar to direct inhalation.

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

Immediate/special treatment In case of shortness of breath, give oxygen.

---

### Section 5 : Fire-Fighting Measures

5.1	Extinguishing media	Alcohol or polymer foam. Dry chemical powder. Carbon dioxide. 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. Forms explosive air-vapour mixture. Vapour may travel considerable distance to source of ignition and flash back.
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  
Notify the police and fire brigade immediately. If outside keep bystanders upwind and away from danger point. 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  
Clean-up should be dealt with only by qualified personnel familiar with the specific substance. 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.

## 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. Do not handle in a confined space. Avoid the formation or spread of mists in the air. Smoking is forbidden. Use non-sparking tools.
- 7.2 Conditions for safe storage, including any incompatibilities  
Storage conditions Store in a cool, well-ventilated area. Keep away from sources of ignition. Keep away from direct sunlight. Keep container tightly closed. Ensure lighting and electrical equipment are not a source of ignition. The floor of the storage room must be impermeable to prevent the escape of liquids. container tightly closed.
- 7.3 Specific end use(s)  
PC15: Non-metal surface treatment products.

## Section 8 : Exposure Controls/Personal Protection

- 8.1 Control parameters

Hazardous Ingredients:

HYDROCARBONS, C7, N-ALKANES, ISOALKANES, CYCLICS

State	Workplace Exposure Limits		Respirable Dust	
	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	500ppm	-	-	-

## TETRAHYDROFURAN

Workplace Exposure Limits			Respirable Dust	
State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	150 mg/m <sup>3</sup>	300 mg/m <sup>3</sup>	-	-

DNEL/PNEC No data available

### 8.2 Exposure controls

Engineering measures: ensure there is sufficient ventilation of the area. Ensure lighting and electrical equipment are not a source of ignition.

Respiratory protection: in case of insufficient ventilation, use a suitable respiratory protective device. Self-contained breathing apparatus must be available in case of emergency.

Hand protection: protective gloves (butyl).

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	Light, Paraffinic
Evaporation rate	Fast
Oxidising	Non oxidising
Solubility in water	Insoluble
Also soluble in	Petroleum ether
Viscosity mPa.s @ 25°C	Non-viscous
Kinematic viscosity	0.50 cSt
Viscosity testing method	Kinematic viscosity in 10-6m <sup>2</sup> /s at 40°C (ISO 3104/3105)
Boiling point/range (°C)	94-99
Flammability limits %: lower:	0.6
Flammability limits %: upper:	7
Flash point (°C)	-5
Autoflammability (°C)	215
Relative density	0.71g/cm <sup>3</sup>
VOC (g/l)	20
Part.coeff. n-octanol/water	Est 4.7
Vapour pressure	5kPa@20°C:21kPa@50°C
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	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, Sources of ignition. Flames. Hot surfaces. Direct sunlight.
10.5	Incompatible materials	Strong oxidising agents. Strong acids.
10.6	Hazardous Decomposition Products	In combustion emits toxic fumes.

## Section 11 : Toxicological information

Hazardous Ingredients:

HYDROCARBONS, C7, N-ALKANES, ISOALKANES, CYCLICS

IHL RAT LD50 >23.3 mg/l

ORL RAT LD50 >5840 mg/Kg

SKN RAT LD50 >2920 mg/Kg

TETRAHYDROFURAN

IPR MUS LD50 1900 mg/Kg

IPR RAT LD50 2900 mg/Kg

ORL RAT LD50 1650 mg/Kg

Relevant hazards for product:

Hazard	Route	Basis
Skin corrosion/irritation	DRM	Hazardous: calculated
STOT - single exposure	-	Hazardous: calculated
Aspiration hazard	-	Hazardous: calculated

Skin contact: There may be irritation and redness at the site of contact. Prolonged or repeated contact may cause defatting of the skin, which can lead to dermatitis.

Eye contact: There may be irritation and redness.

Ingestion: Aspiration into the lungs may cause chemical pneumonitis, which can be fatal. There may be soreness and redness of the mouth and throat. There may be difficulty swallowing. Nausea and stomach pain may occur. There may be vomiting. Inhalation of fumes from the stomach may cause symptoms similar to those of ingestion.

Inhalation: Drowsiness or mental confusion may occur. Absorption through the lungs can occur causing symptoms similar to those of ingestion.

## Section 12 : Ecological Information

### 12.1 Toxicity

Hazardous ingredients:

HYDROCARBONS, C7, N-ALKANES, ISOALKANES, CYCLICS

Green Alga (Selenastrum capricornutum): 72H ErC50 30 mg/l

Rainbow trout (Oncorhynchus mykiss): 96H LC50 >13.4 mg/l

Daphnia magna: 48H EC50 3 mg/l

**TETRAHYDROFURAN**

Algae: 75H IC50 3700mg/l

Fathead Minniw (Pimephales promelas): 96H LC50 2160 mg/l

12.2	Persistence and degradability	Only slightly biodegradable.
12.3	Bioaccumulative potential	Bioaccumulation potential is low.
12.4	Mobility in soil	Highly volatile. Floats on water. Insoluble in water. 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	Toxic to aquatic organisms.

**Section 13 : Disposal Consideration**

13.1	Waste treatment methods	
	Disposal operations	Transfer to a suitable container and arrange for collections by specialised disposal company.
	Recovery operations	Use principally as a fuel or other means to generate energy. Once drained, leave in a safe place, away from sources of ignition and heat, until residues have evaporated. Beware of vapours remaining in empty drums that could ignite. May be reused following decontamination. Dispose of in a regulated landfill site or other method for hazardous or toxic wastes.
	NB.	The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

**Section 14 : Transport Information**

14.1	UN number	UN1993
14.2	UN shipping name	FLAMMABLE, N.O.S (HYDROCARBONS, C7, N-ALKENES, ISOALKANES, CYCLICS)
14.3	Transport hazard class(es)	3
14.4	Packing group	III
14.5	Environmental hazards	Environmentally hazardous: Yes Marine pollutant: No
14.6	Special precautions for user	No special precautions Tunnel code: D/E Transport category: 3
14.7	Transport in bulk according to Annex II of Marpol 73/78 and the IBC code	Not applicable

## 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
--------------------	-----	-----------------	-----

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	<p>EUH019: May form explosive peroxides. H225: Highly flammable liquid and vapour. H304: May be fatal if swallowed and enters airways. H315: Causes skin irritation. H319: Causes serious eye irritation. H335: May cause respiratory irritation. H336: May cause drowsiness or dizziness. H351: Suspected of causing cancer. H411: Toxic to aquatic life with long lasting effects.</p>

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.