

U-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 : 11.01.2023

Revision : 03

Product : **L904 – High Performance UV Adhesive**

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

- 1.1 Product Identifier
Product name : U-Bond High Performance UV Adhesive – L904 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
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)
Aquatic Chronic 2: H411; Aquatic Acute 1: H400; Eye Dam. 1: H318; Skin Irrit. Sens. 1A: H317; Skin Irrit. 2: H315 ; STOT SE 3: H335
Most important adverse effects:
Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage. May cause respiratory irritation. Toxic to aquatic life with long lasting effects.

- 2.2 Label elements (According to Regulation (EC) No. 1272/2008(CLP))



GHS05: Corrosion

GHS07: Harmful

GHS09: Dangerous for the environment

Signal Word(s) Danger

Hazard Statement(s)
 H315: Causes skin irritation
 H317: May cause an allergic skin reaction
 H318: Causes serious eye damage
 H335: May cause respiratory irritation
 H411: Toxic to aquatic life with long lasting effects
 H400: Very toxic to aquatic life

Precautionary Statement(s):
 P302+P352: IF ON SKIN: Wash with plenty of water
 P280: Wear protective gloves/protective clothing/eye protection/face protection.
 P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P310: Immediately call a POISON CENTER or doctor.
 P362+P364: Take off contaminated clothing and wash it before use

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

Section 3 : Composition/Information on Ingredients

3.2 Hazardous ingredients:

Ingredient	EINECS	CAS	PBT/WEL	CLP Classification	Percent
CN104	-	55818-57-0	-	Skin Sens. 1: H317	10-30
EBECYRL 264	-	-	-	Skin Sens. 1: H317; Eye Irrit. 2: H319; Skin Irrit. 2: H315	10-30
Isobornyl acrylate REACH (2119957862-25-XXXX)	227-561-6	5888-33-5	-	Skin Irrit. 2: H315; Eye Irrit. 2: H319; STOT SE 3: H335; Aquatic Acute 1: H400; Skin Sens. 1: H317; Aquatic Chronic 1: H410; Aquatic Chronic 2:H411	10-30

EBECYRL 284	-	-	-	Skin Irrit. 2: H315; Aquatic Chronic 2: H411; Aquatic Chronic 3: H412; Eye Irrit. 2: H319; Skin Sens. 1B: H317	10-30
Acrylic acid	201-177-9	79-10-7	-	Flam. Liq. 3: H226; Acute Tox. 4: H332; Acute Tox. 4: H312; Acute Tox. 4: H302; Skin Corr. 1A: H314; Aquatic Acute 1: H400	1 - 10
(1-Methylethylidene)di- 4, 1-phenylenetetraphenyl Diphosphate	425-220-8	5945-33-5	-	Aquatic Chronic 4: H413	1 - 10
SR256	-	-	-	Acute Tox. 4: H312; Skin Irrit. 2: H315; Skin Sens. 1A: H317; Eye Irrit. 2: H319	1 - 10
OMNIRAD TPO	75980-60-8	-	-	Skin Sens. 1B: H317; Repr. 2: H361f; Aquatic Chronic 2: H411	0.1 - 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	Wash out mouth with water. Consult a doctor.

4.2 Most important symptoms and effects, both acute and delayed

Inhalation	There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.
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Eyes	There may be irritation and redness. The eyes may water profusely.
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

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| 5.1 Extinguishing media | Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers. |
| 5.2 Special hazards arising from the mixture | In combustion emits toxic fumes. |
| 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
Avoid release to the environment. For larger spills, cover drains and prevent entry into sewer systems or bodies of water with bunding.
- 6.3 Methods and material for containment and cleaning up
Contain spill. Working from around the edges of the spill inward, cover with bentonite, vermiculite, or commercially available inorganic absorbent material. Mix in sufficient absorbent until it appears dry. Remember, adding an absorbent material does not remove a physical, health, or environmental hazard. Collect as much of the spilled material as possible. Place in a closed container approved for transportation by appropriate authorities. Clean up residue with an appropriate solvent selected by a qualified and authorised person. Ventilate the area with fresh air. Read and follow safety precautions on the solvent label and Safety Data Sheet. Seal the container. Dispose of collected material as soon as possible.
- 6.4 Reference to other sections
Refer to section 8 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.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions Store in a cool, well-ventilated area. Keep container tightly closed.

7.3 Specific end use(s) Adhesive.

Section 8 : Exposure Controls/Personal Protection

8.1 Control parameters

Hazardous Ingredient: Acrylic acid

Workplace Exposure Limits

Respirable Dust

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	29mg/m ³	59mg/m ³ in relation to a 1-minute reference period	-	-

DNEL/PNEC

No data available

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: protective 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

Appearance	Liquid	Colour	Colourless
Odour	Irritating odour	Odour threshold ppm	Not Available
Ph Value	Not applicable	Relative Density	1.04 g/ml
Melting Point/freezing pt	Not applicable	Solubility in Water @ 20°C	Not available
Initial Boiling Point/Range	150°C	Partition Coefficient	Not available
Flashpoint °C	85°C	(n-octanol/water)	
Evaporation rate	Not applicable	Auto ignition temperature	Not available
Flammability (solid/gas)	Not applicable	decomposition temperature °C	Not available
Upper explosive limit	Not Available	Viscosity mPa.s @ 25°C	3000-4000
Lower explosive limit	Not Available	Explosive Properties	Not available
Vapour pressure	Not applicable	Oxidizing Properties	Not oxidising
Vapour density (air=1)	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.
10.5	Incompatible materials	Strong reducing agents. Strong oxidising agents.
10.6	Hazardous Decomposition Products	In combustion emits toxic fumes.

Section 11 : Toxicological information

Hazardous Ingredient: Acrylic acid

IPR	RAT	LD50	22	mg/Kg
ORL	MUS	LD50	830	mg/Kg
ORL	RAT	LD50	1250	mg/Kg
SCU	MUST	LD50	1590	mg/Kg

Relevant hazards for product:

Hazard	Route	Basis
Skin corrosion/irritation	DRM	Hazardous: calculated
Serious eye damage/irritation	OPT	Hazardous: calculated
Respiratory/skin sensitisation	-	Hazardous: calculated
STOT-single exposure	INH	Hazardous: calculated

Symptoms/routes of exposure:

Inhalation	There may be irritation of the throat with a feeling of tightness in the chest.
Eyes	There may be pain and redness. The eyes may water profusely. There may be severe pain. The vision may become blurred. May cause permanent damage.
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.

Delayed/
Immediate
effects

Immediate effects can be expected after short-term exposure.

Section 12 : Ecological Information

12.1	Toxicity	Toxic to aquatic life with long lasting effects.
	Ecotoxicity values	No data available
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	
	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.

Section 14 : Transport Information

Transport class	This product does not require a classification for transport
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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 3.2 Supercedes date 27.05.2022

Hazardous ingredients information update.

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	H226: Flammable liquid and vapour H302: Harmful if swallowed H312: Harmful in contact with skin H314: Causes severe skin burns and eye damage H315: Causes skin irritation H317: May cause an allergic skin reaction H318: Causes serious eye damage H319: Causes serious eye irritation H332: Harmful if inhaled H335: May cause respiratory irritation H361f: Suspected of damaging fertility H400: Very toxic to aquatic life H411: Toxic to aquatic life with long lasting effects H412: Harmful to aquatic life with long lasting effects H413: May cause long lasting harmful effects to aquatic life

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.