

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 : 18.07.2022

Revision : 02

Product : **L931 – 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 – L931 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
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)
Acute Tox. 4: H302; Skin Corr. 1C: H314; Eye Dam. 1: H318; Skin Sens. 1: H317; Repr. 1B: H360Df; Aquatic Chronic 2: H411
Most important adverse effects:
Harmful if swallowed. Causes severe skin burns and eye damage. Causes serious eye damage. May cause an allergic skin reaction. May damage the unborn child. Suspected of damaging fertility. Toxic to aquatic life with long lasting effects.
- 2.2 Label elements (According to Regulation (EC) No. 1272/2008(CLP))



GHS05: Corrosion

GHS07: Harmful

GHS08: Health hazard

GHS09: Dangerous for the environment

Signal Word(s) Danger

Hazard Statement(s):
 H302: Harmful if swallowed.
 H314: Causes severe skin burns and eye damage.
 H318: Causes serious eye damage.
 H317: May cause an allergic skin reaction.
 H360Df: May damage the unborn child. Suspected of damaging fertility.
 H411: Toxic to aquatic life with long lasting effects.

Precautionary Statement(s):
 P260: Do not breathe dust/fume/gas/mist/vapours/spray.
 P280: Wear protective gloves/protective clothing/eye protection/face protection.
 P301+P312: IF SWALLOWED: Call a POISON CENTRE or doctor if you feel unwell.
 P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
 P302+P352: IF ON SKIN: Wash with plenty of water.
 P362+P364: Take off contaminated clothing and wash it before reuse.

Contains: Isobornyl acrylate, n,n-dimethylacrylamide, tetrahydrofurfuryl acrylate, 2-hydroxyethyl methacrylate

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

Section 3 : Composition/Information on Ingredients

3.2 Hazardous ingredients:

Isobornyl Acrylate – REACH registered number(s): 2119957862-25-XXXX

EINECS	CAS	PBT/WEL	CLP Classification	Percent
227-561-6	5888-33-5	-	Skin Irrit. 2: H315; Eye Irrit. 2: H319; STOT SE 3: H315; Aquatic Acute 1: H400; Skin Sens. 1: H317; Aquatic Chronic 1: H410; Aquatic Chronic 2: H411	10-30

N-N-Dimethylacrylamide – REACH registered number(s): REACH registration exemption <1 tonne

220-237-5	2680-03-7	-	Acute Tox. 3: H301; Eye Dam. 1: H318; Acute Tox. 3; H311	10-30
-----------	-----------	---	--	-------

Tetrahydrofurfuryl Acrylate – REACH registered number(s): 2120738396-46-XXXX

219-268-7	2399-48-6	-	Acute Tox. 4: H302; Skin Corr. 1C: H314; Eye Dam. 1: H318; Skin Sens. 1B: H317; Repr. 1B: H360Df; Aquatic Chronic 2: H411	10-30
-----------	-----------	---	---	-------

2-Hydroxyethyl Methacrylate – REACH registered number(s): 01-2119490169-29

212-782-2	868-77-9	-	Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1: H317	1-10
-----------	----------	---	---	------

Diphenyl(2,4,6-trimethylbenzoyl)phosphine Oxide – REACH registered number(s):
21119972295-29-XXXX

278-335-8	75980-60-8	-	Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1: H317	1-10
-----------	------------	---	--	------

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.
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.

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	Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.
5.2 Special hazards arising from the mixture	Corrosive. 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
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.
- 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
No data available
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	Gel	Colour	Colourless
Odour	Acrylic	Odour threshold ppm	Not Available
Ph Value	Not applicable	Relative Density	1.1 g/ml
Melting Point/freezing pt	Not applicable	Solubility in Water @ 20°C	Not available
Initial Boiling Point/Range	Not applicable	Partition Coefficient	Not available
Flashpoint °C	>100°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	19500 – 22500
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

2-Hydroxyethyl methacrylate

IPR RAT LD50 1250 mg/kg

ORL MUS LD50 3275 mg/kg

ORL RAT LD50 5050 mg/kg

Relevant hazards for product:

Hazard Route Basis

Acute toxicity (ac. tox. 4) ING Hazardous: calculated

Skin corrosion/irritation DRM Hazardous: calculated

Serious eye damage/irritation OPT Hazardous: calculated

Respiratory/skin sensitisation DRM Hazardous: calculated

Reproductive toxicity -- Hazardous: calculated

Skin contact: Blistering may occur. Progressive ulceration will occur if treatment is not immediate.

Eye contact: Corneal burns may occur. May cause permanent damage.

Ingestion: Corrosive burns may appear around the lips. Blood may be vomited. There may be bleeding from the mouth or nose.

Inhalation: There may be shortness of breath with a burning sensation in the throat.

Exposure may cause coughing or wheezing.

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

Applies to road, sea, and air transportation to inner containers > 5 litres

14.1	UN number	UN1760
14.2	UN shipping name	CORROSIVE LIQUID, N.O.S
14.3	Transport hazard class(es)	9
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: 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 15 Supercedes date 12.08.2019

Reference made to specific regulatory information

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 H301 Toxic if swallowed.

H302 Harmful if swallowed.

H311 Toxic 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.

H335 May cause respiratory irritation.

H360Df May damage the unborn child. Suspected of damaging fertility.

H361f Suspected of damaging fertility.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

H411 Toxic to aquatic life with long lasting effects.

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.