



UV-Tek Photo Reactive Adhesive



SAFETY DATA SHEET

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 2015/830

1. SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier	
Product Name	UV-Tek Photo Reactive Peelable Adhesives
	UV-Tek 116, UV-Tek 108,
CAS No.	Mixture.
EINECS No.	Mixture.
REACH Registration No.	None assigned.
1.2 Relevant identified uses of the substance or mixture and uses advised against	
Identified use(s)	Bonding Glass to Glass.
Uses advised against	None known.
1.3 Details of the supplier of the Safety Data Sheet	
Company Identification	J&S Adhesives Ltd Coldham Road Ind Est Lancaster Court, Coningsby LN4 4SE United Kingdom. +44 1526 344100
Telephone	
Fax	
E-Mail (competent person)	Info@jandsadhesives.com
1.4 Emergency telephone number	
National Poisons Information Service (NPIS), United Kingdom	111

2. SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture Regulation (EC) No. 1272/2008 (CLP)	Eye Irrit. 2; Causes serious eye irritation. Skin Irrit. 2; Causes skin irritation. Skin Sens. 1; May cause an allergic skin reaction. STOT SE 3; May cause respiratory irritation. Aquatic Chronic 2; Toxic to aquatic life with long lasting effects.
2.2 Label elements	According to Regulation (EC) No. 1272/2008 (CLP) UV-Tek Photo Reactive Adhesive.
Product Name	
Hazard Pictogram(s)	 
	GHS07 GHS09
Signal Word(s)	Warning.
Hazard Statement(s)	H315: Causes skin irritation. H317: May cause an allergic skin reaction. H319: Causes serious eye irritation. H335: May cause respiratory irritation.



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H411: Toxic to aquatic life with long lasting effects.

Precautionary Statement(s)

P261: Avoid breathing vapours.
 P273: Avoid release to the environment.
 P280: Wear protective gloves/protective clothing/eye protection/face protection.
 P302+P352: IF ON SKIN: Wash with plenty of water.
 P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P501: Dispose of contents in accordance with local, state or national legislation.

2.3 Other hazards

None.

2.4 Additional Information

For full text of H/P Statements see section 16.

3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Not applicable.

3.2 Mixtures

EC Classification No. 1272/2008

HAZARDOUS INGREDIENT(S)	CAS No.	EC No. / REACH Registration No.	%W/W	Hazard Statement(s)	Hazard Pictogram(s)
2-hydroxyethyl methacrylate	868-77-9	212-782-2 01-2119490169-29-XXXX	<35	Skin Irrit. 2 H315 Skin Sens. 1 H317 Eye Irrit. 2 H319	GHS07
Exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl acrylate	5888-33-5	227-561-6 01-2119957862-25-XXXX	<20	Skin Irrit. 2 H315 Skin Sens. 1B H317 Eye Irrit. 2 H319 STOT SE 3 H335 Aquatic Acute 1 H400 Aquatic Chronic 1 H410	GHS07 GHS09
Acrylic acid	79-10-7	201-177-9 01-2119452449-31-XXXX	<3	Flam. Liq. 3 H226 Acute Tox. 4 H302 Acute Tox. 4 H312 Skin Corr. 1A H314 Acute Tox. 4 H332 Aquatic Acute 1 H400 Specific Concentration Limits (C≥1%) STOT SE 3; H335	GHS02 GHS05 GHS07 GHS09

3.3 Additional Information

For full text of H/P Statements see section 16.



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4. 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/doctor if you feel unwell.

Skin Contact

Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention.

Eye Contact

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.

Ingestion

Do NOT induce vomiting. Call a POISON CENTER/doctor.

4.2 Most important symptoms and effects, both acute and delayed

Causes serious eye irritation. Causes skin irritation. May cause an allergic skin reaction. May cause respiratory irritation.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5. SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing Media

Suitable Extinguishing Media

Extinguish preferably with foam, carbon dioxide or dry chemical.

Unsuitable Extinguishing Media

Water jet spray.

5.2 Special hazards arising from the substance or mixture

Decomposes in a fire giving off toxic fumes: Carbon monoxide, Carbon dioxide.

5.3 Advice for fire-fighters

Fire fighters should wear complete protective clothing including self-contained breathing apparatus.

6. SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation. Avoid breathing vapours.

Wear protective gloves/protective clothing/eye protection/face protection. Wash hands thoroughly after handling.

6.2 Environmental precautions

Avoid release to the environment.

6.3 Methods and material for containment and cleaning up

Contain spillages with sand, earth or any suitable adsorbent material. Collect spillage. Transfer to a container for disposal.

6.4 Reference to other sections

See Also Section: 8, 13.

7. SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Provide adequate ventilation. Use only outdoors or in a well-ventilated area. Avoid breathing vapours. Wear protective gloves/protective clothing/eye protection/face protection.

Wash hands thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace.

7.2 Conditions for safe storage, including any incompatibilities

Store in a well-ventilated place. Keep container tightly closed.

Storage Temperature

Ambient.

Storage Life

Stable under normal conditions.



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Incompatible materials

Oxidizing agents, Reducing agent, Non ferrous metal, Strong acid, Strong bases.

7.3 Specific end use(s)

Bonding Glass to Glass.

8. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.1.1 Occupational Exposure Limits

SUBSTANCE	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m ³)	STEL (ppm)	STEL mg/m ³)	Note
Acrylic acid	79-10-7	29	10	59	20	IOELV, (10)

Source: WEL: Workplace Exposure Limit (UK HSE EH40)

IOELV: Indicative Occupational Exposure Limit Value

(10): Short-term exposure limit value in relation to a reference period of 1 minute.

8.1.2 Biological limit value

Not established.

8.1.3 PNECs and DNELs

Not established.

8.2 Exposure controls

8.2.1 Appropriate engineering controls

Provide adequate ventilation. A washing facility/water for eye and skin cleaning purposes should be present.

8.2.2 Personal protection equipment

Eye/face protection



Wear protective eyewear (goggles, face shield, or safety glasses).

Skin protection (Hand protection/ Other)

Wear impervious gloves (EN374).



Respiratory protection

Handling of larger amounts: A suitable mask with filter type A (EN14387 or EN405) may be appropriate.



Thermal hazards

Not applicable.

8.2.3 Environmental Exposure Controls

Avoid release to the environment.



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9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Clear.
Odour	Characteristic.
Odour Threshold	Not established.
pH	Not available.
Melting Point/Freezing Point	Not determined.
Initial boiling point and boiling range	Not determined.
Flash Point	>100°C
Evaporation rate	Not available.
Flammability (solid, gas)	Not determined.
Upper/lower flammability or explosive limits	Not determined.
Vapour pressure	Not determined.
Vapour density	Not determined.
Relative density	1.1 gm cm ³
Solubility(ies)	Insoluble in water.
Partition coefficient: n-octanol/water	Not determined.
Auto-ignition temperature	Not determined.
Decomposition Temperature	Not determined.
Viscosity	650 – 2000 cps @ 21°C
Explosive properties	Not explosive.
Oxidising properties	Not oxidising.

9.2 Other information

None.

10. SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

Polymerize on exposure to light and temperature rise, with the potential of pressure rise and bursting of container. Avoid contact with strong acids and bases, as this will also result in excessive heat, pressure rise and potential to burst the container

10.2 Chemical stability

Unstable on exposure to light and heat.

10.3 Possibility of hazardous reactions

No hazardous reactions known if used for its intended purpose.

10.4 Conditions to avoid

Heat and direct sunlight.

10.5 Incompatible materials

Oxidizing agents, Reducing agent, Non ferrous metal, Strong acid, Strong bases.

10.6 Hazardous Decomposition Product(s)

No hazardous decomposition products known.

11. SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity

Low acute toxicity.

Skin corrosion/irritation

Causes skin irritation. No data.

Serious eye damage/irritation

Causes serious eye irritation. No data.

Skin sensitization data

May cause an allergic skin reaction. No data.

Respiratory sensitization data

Not classified.

Germ cell mutagenicity

There is no evidence of mutagenic potential.

Carcinogenicity

No evidence of carcinogenicity.

Reproductive toxicity

No evidence of reproductive effects.

STOT - single exposure

May cause respiratory irritation. No data.



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STOT - repeated exposure	None anticipated.
Aspiration hazard	None anticipated.
11.2 Other information	None.

12. SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity	Toxic to aquatic life with long lasting effects. No data.
12.2 Persistence and degradability	No information on this formulation. 2-hydroxyethyl methacrylate: Readily biodegradable.
12.3 Bioaccumulative potential	No information on this formulation. 2-hydroxyethyl methacrylate: The substance has low potential for bioaccumulation.
12.4 Mobility in soil	Insoluble in water. The product is predicted to have low mobility in soil.
12.5 Results of PBT and vPvB assessment	Not classified as PBT or vPvB.
12.6 Other adverse effects	None known.

13. SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods	Dispose of this material and its container as hazardous waste.
13.2 Additional Information	Disposal should be in accordance with local, state or national legislation.

14. SECTION 14: TRANSPORT INFORMATION

14.1 UN number	
UN No.	3082
14.2 UN proper shipping name	
UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Contains: Exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl acrylate)
14.3 Transport hazard class(es)	
ADR/RID	
ADR/RID Class	9
ADR Classification Code	M6
Special Provisions	274 335 375 601
Limited Quantities	5 L
Excepted Quantities	E1
Emergency Action Code	•3Z
Mixed Packing Instructions for Packages	P001 IBC03 LP01 R001
Special Packing Provisions for Packages	PP1
Mixed Packing Instructions for Packages	MP19
Packing Instructions for Portable Tanks	T4
Special Provisions for Portable Tanks	TP1 TP29
Tank Code for Tanks	LGBV
Special Provisions for Tanks	
Vehicle for Tank Carriage	AT
ADR Transport Category	3
Tunnel Restriction Code	-
Special Provisions for Carriage - Packages	V12
Special Provisions for Carriage - Bulk	
Special Provisions for Carriage - Loading, Unloading and Handling	CV13

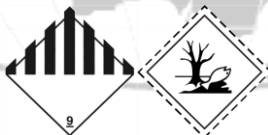


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Special Provisions for Carriage - Operation

ADR HIN	90
IMDG	
IMDG Class	9
Special Provisions	274 335 375 601
Limited Quantities	5 L
Excepted Quantities	E1
Mixed Packing Instructions for Packages	P001 IBC03 LP01 R001
Special Packing Provisions for Packages	PP1
Packing Instructions for Portable Tanks	T4
Special Provisions for Portable Tanks	TP1 TP29
IMDG EMS	F-A S-F
Stowage and Handling	Category A
Segregation	
Marine Pollutant	
ICAO/IATA	
IATA Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Contains: Exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl acrylate)

Excepted Quantities	E1
Passenger and Cargo Aircraft Limited Quantities Packing Instructions	Y964
Passenger and Cargo Aircraft Limited Quantities Max net Qty	30Kg
Passenger and Cargo Aircraft Packing Instructions	964
Passenger and Cargo Aircraft Max net Qty	450L
Cargo Aircraft Packing Instructions	964
Cargo Aircraft Max net Qty	450L
Special Provisions	A97, A158 A197
Emergency Response Guidebook (ERG) Code	9L
Labels	
Labels	9



14.4 Packing group

Packing group

14.5 Environmental hazards

Environmental hazards

Classified as a Marine Pollutant.

14.6 Special precautions for user

Special precautions for user

Not known.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

No information available



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15. SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1 EU regulations

Authorisations and/or restrictions on use

Candidate List of Substances of Very High Concern for Authorisation

All chemicals are not listed.

REACH: ANNEX XVII restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles

Listed: Acrylic acid (CAS No.: 79-10-7)

REACH: ANNEX XIV list of substances subject to authorisation

All chemicals are not listed

Community Rolling Action Plan (CoRAP)

Listed: 2-hydroxyethyl methacrylate (CAS No.: 868-77-9),

15.2 Chemical Safety Assessment

Not applicable.

16. SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1-16

LEGEND

Hazard Pictogram(s)



GHS07



GHS09

Hazard classification

Acute Tox. 4 : Acute toxicity, Category 4

Aquatic Acute 1 : Hazardous to the aquatic environment, Acute, Category 1

Aquatic Chronic 1 : Hazardous to the aquatic environment, Chronic, Category 1

Aquatic Chronic 2 : Hazardous to the aquatic environment, Chronic, Category 2

Aquatic Chronic 3 : Hazardous to the aquatic environment, Chronic, Category 3

Eye Irrit. 2 : Serious eye damage/irritation, Category 2

Flam. Liq. 3 : Flammable liquid, Category 3

Repr. 2 : Reproductive toxicity, Category 2

STOT SE 3_H335 : Specific target organ toxicity — single exposure, Category 3

Skin Corr. 1A : Skin corrosion/irritation, Category 1A

Skin Irrit. 2 : Skin corrosion/irritation, Category 2

Skin Sens. 1 : Skin sensitization, Category 1

Skin Sens. 1B : Skin sensitization, Category 1B

Hazard Statement(s)

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.



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H317: May cause an allergic skin reaction.
H319: Causes serious eye irritation.
H332: Harmful if inhaled.
H335: May cause respiratory irritation.

H400: Very toxic to aquatic life.
H410: Very toxic to aquatic life with long lasting effects.

Precautionary Statement(s)

P261: Avoid breathing vapours.
P264: Wash hands and exposed skin thoroughly after handling.
P271: Use only outdoors or in a well-ventilated area.
P272: Contaminated work clothing should not be allowed out of the workplace.
P273: Avoid release to the environment.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352: IF ON SKIN: Wash with plenty of water.
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.
P312: Call a POISON CENTER/doctor if you feel unwell.
P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
P337+P313: If eye irritation persists: Get medical advice/attention.
P362+P364: Take off contaminated clothing and wash it before reuse.
P391: Collect spillage.
P403+P233: Store in a well-ventilated place. Keep container tightly closed.
P501: Dispose of contents in accordance with local, state or national legislation.

Acronyms

ADN : European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR : European Agreement concerning the International Carriage of Dangerous Goods by Road
CAS : Chemical Abstracts Service
CLP : Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
DNEL : Derived No Effect Level
EC : European Community
EINECS : European Inventory of Existing Commercial Chemical Substances
IATA : International Air Transport Association
IBC : Intermediate Bulk Container
ICAO : International Civil Aviation Organization
IMDG : International Maritime Dangerous Goods
LTEL : Long term exposure limit
PBT : Persistent, Bioaccumulative and Toxic
PNEC : Predicted No Effect Concentration
REACH : Registration, Evaluation, Authorisation and Restriction of Chemicals
RID : Regulations concerning the International Carriage of Dangerous Goods by Rail
STEL : Short term exposure limit
STOT : Specific Target Organ Toxicity
UN : United Nations
vPvB : very Persistent and very Bioaccumulative



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Annex to the extended Safety Data Sheet (eSDS)

Not applicable.

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