



HS03 UV-Tek BEVELLED GLASS ADHESIVES June 2004

UV-Tek Clear and Coloured Bevelled Glass Adhesives

1. IDENTIFICATION OF SUBSTANCE OR PREPARATION

Product: Photo Reactive Acrylate Based Formulation

Application: Bonding decorative Glass Bevels to glass.

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2. COMPOSITION/INFORMATION ON INGREDIENTS

Having Assigned Occupational Exposure Limit's
Complying with Chemicals (Hazard Information and
Packaging for Supply) Regulations (CHIP)

Acrylates > 40%

CAS –

Einnecs –

Supply Classification Xi R36

2-Hydroxy Ethyl Methacrylate < 20%

CAS 212-782-2

Einnecs 868-77-9

Supply Classification Xi R43 Sensitiser

Acrylic Acid < 5%

CAS 201-177-9

Einnecs 79-10-7

Supply Classification C,N R10 : R20/21/22 : R35 : R50

Trimethoxysilane < 5%

CAS 2530-85-0

Einnecs 219-795-8

Supply Classification Xn R22

3. HAZARDS IDENTIFICATION

Some individuals may be or become, sensitized to Acrylates. Irritating to eyes and skin. May cause sensitization by skin contact.

4. FIRST AID MEASURES

Generally in all cases of doubt, or when symptoms persist, seek medical attention.

Eyes

Irritating to eyes. In case of eye contact, remove contact lenses. Flush eyes with copious amounts of water. If irritation occurs, seek medical advice.

Skin

Irritating to skin. In case of skin contact wash skin with warm soapy water. Remove contaminated clothing. If irritation occurs, seek medical advice.

Ingestion

If swallowed, wash out mouth with clean water and absorbent paper towels. Do not induce vomiting. If conscious, give milk or water to drink. Seek medical attention.

Inhalation

At high doses may cause irritation to nose and respiratory tract. Remove casualty from exposure sight. If irritation occurs seek medical attention.

5. FIRE FIGHTING MEASURES

Extinguishing Media Alcohol resistant foam, Dry Chemical, CO² water spray mist , **do not use water spray**

Combustible Products Fire will produce hazardous combustion products such as CO, CO², oxides of nitrogen

Protective Measures Full protective clothing and self contained breathing apparatus to be worn
Cool containers with water spray. **Do not use water jets.**

6. ACCIDENTAL RELEASE MEASURES (SPILLAGE)

Personal Precautions

Refer to sections 7 & 8 of this document. In all cases exclude sources of ignition and ventilate area.

Recovery Warn others of the dangers present.
Contain all spillages with sand, vermiculite, earth.
Collect waste and place in a suitable container.
Dispose of in compliance with local regulations

Environmental Precautions Prevent substance entering drains and water courses. Use bunding.
Inform water authorities.

7. STORAGE AND HANDLING (IN NORMAL USE)

Skin contact constitutes the most pronounced hazard

Storage. Store in a dark, cool, dry, ventilated area.
Keep away from heat, sunlight and artificial light sources. Work within Environmental Protection Act (pollution prevention)

Ventilation Ventilate to maintain levels under O.E.S

Handling Wear protective clothing to avoid eye and skin contact.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION (NORMAL USE)

Work within the requirements of Control of Substances Hazardous to Health Regulations (COSHH)

Occupational Exposure Limits Acrylic Acid

8Hr TWA, 10ppm

15 Min STEL, 0.3ppm

Occupational Exposure Standard EH40 table 2

Personal Protective Equipment

Respiratory If local ventilation cannot maintain < TWA, suitable respiratory protection equipment should be worn.

Hand Use clean disposable talc free nitrile gloves.
Barrier creams can be used.

Eye UV blocking industrial safety goggles.

Skin Wear approved protective clothing. Do not re wear contaminated clothing. Wash hands before eating, smoking or using the toilet.

9. PHYSICAL/CHEMICAL PROPERTIES

****Refer to specific adhesive product sheet for technical data and viscosity**

Appearance: Liquid

Colour: Clear

Odour: Faint aromatic

Solubility Yes in most organic solvents / Miscible in water

Viscosity : **600-1850 cps. @ 21°C depending on product

Relative Density: @ 21 ° C: = 1.04

Flash Point > 90° C

10. STABILITY AND REACTIVITY

This material is stable under correct storage and handling conditions

Stability Polymerisation is exothermic. Avoid hazardous polymerisation by excessive heat and sunlight when in a bulk state.

Conditions to avoid Sunlight, and excess heat.

Materials to avoid UV light, free radical initiators, strong acids and strong alkaline materials. Ferrous materials such as Steel and Iron, and also copper

Hazardous Decomposition Products Hazardous combustion by Products released such as CO, CO², oxides of nitrogen.

11. TOXICOLOGICAL INFORMATION

There is no data concerning long term continuous exposure of this product. The product has been assessed following the conventional method in CHIP and is classified for toxicological hazards accordingly. This takes into account, where known, delayed and immediate effects and also chronic effects of components from short term and long term exposure by oral, inhalation and dermal routes and eye contact. See section 3 and 15 for details of the resulting hazard classification.

Chronic Effects : Prolonged skin contact may result in irritant symptoms such as redness, blistering and dermatitis.

12. ECOLOGICAL INFORMATION

Mobility There is no data available on the product itself

Persistence & Degradability: Biodegradable

Bio - Accumulation May cause bioaccumulation potential in an aquatic environment.

Other Eco effects There is no other data available on the product itself

13. DISPOSAL CONSIDERATIONS

Dispose of according to local, state and national legislation. Record disposal data.

14. TRANSPORT INFORMATION (REGULATIONS)

Road ship within ADR requirements.

Air within IATA/ICAO requirements

Sea ship within IMDG requirements

Road, Air, Sea transport Classification: Shipping name Not regulated for all modes of transport

15. REGULATORY INFORMATION (SUPPLY & LABELLING)

UN No: None assigned

Supply Classification : Irritant 2 – Hydroxy Ethyl Methacrylate

Risk Phrases : R36/38 Irritating to eyes & skin
R43 May cause sensitization by skin contact

Safety Phrases : S24 Avoid contact with skin
S37 Wear suitable gloves

Hazard pictograph



IRRITANT

The product (s) listed have been assessed as per Chemical (Hazard Information and Packaging for supply) Regulations 2002 (CHIP3) and COSHH 1999 and in accordance with EINECS directives

The information contained in this safety data sheet does not constitute the users own assessment of workplace risks as required by other H&S directives, regulations, and legislation

16. OTHER

R 10 Flammable **R 22** Harmful if swallowed

R 50 Very toxic to aquatic organisms

R 37 Irritating to respiratory system

Risk phrases used in section 2

R 20/21 Harmful by inhalation and by skin contact

R 35 Causes severe burns

R 36/38 Irritating to eyes and skin

R 43 May cause sensitization by skin contact