



Safety data sheet/ EG-Sicherheitsdatenblatt

Date of establishment: 21/01/03  
Revision date: 19/04/05

Product/ Product group: **Conloc UV glue 682**

**1.1 Substance/Preparation and Company Name**

**1.2 Information on the product**

**1.3 Information on manufacturer/Supplier**

Supplier: **Tiffany Glaskunst GmbH**  
Street: **Helleforthstr. 18-20**  
UIP Code/town: **D-33758 Schloß Holte Stukenbrock**  
Tel.: **+49 5207 91280**  
Fax.: **+49 5207 912840**  
e-mail: **tgk@tgk.de**  
Internet: **http://www.tgk.de**

Telephone number in emergency cases: 05207-9128-0

**2. Composition/Information on Ingredients :**

**Chemical characteristics:**

UV curing adhesive, oligomere polyurethan mixture

Component	CAS-No.	%	Hazard class
2-Hydroxyethyl methacrylate	00868-77-9	25-35	Xi, R36, 38-43
Tert-butylperbenzoate	00614-45-9	1-5	Xi, O R8-36/37/38
Isobornyl acrylate	05888-33-5	20-30	Xi, R36/37/38-43
Acrylic acid	00079-10-7	1-5	C, R10-20/21/22-35-5034
Malein acid	00110-16-7	1-5	Xn, R22-36/37/38

**3. Possible hazards:**

Care should be taken during the cure of these products by UV radiations to avoid exposure of the skin and especially of the eyes to direct or reflected UV radiation as long-term effects could be harmful. This product is irritating to eyes and skin. In case of pre-damaged skin danger of sensitisation cannot be excluded. Consideration should be given to the possible effects of a faulty UV source (stray radiation, ozone).

**4. First Aid Measures:**

**General information:**

Change contaminated clothes immediately.

**Inhalation:**

Remove patient to fresh air and seek medical attention.  
Place affected person in recovery position.

**Eye contact:**

Flush eyes with plenty of water for at least 15 minutes. If irritation persists seek medical attention.

**Skin contact:**

Wash skin with plenty of soap and water. Rinse thoroughly afterwards.

**Ingestion:**

Low toxicity.

Rinse mouth with water, then give plenty of water or milk to drink. Do not induce vomiting. Seek medical attention. Name substance precisely.

**5. Fire fighting measures:**

**Appropriate extinguishing media:**

CO<sub>2</sub>, water, extinguishing powder or alcohol-resisting foam

**Unadequate extinguishing media for safety reasons:**

Full water jet

**Special hazards caused by the material, its combustion products or flue gases:**

Toxic fumes (oxides of carbon and nitrogen) may be evolved upon exposure to heat or open flame. Do not inhale vapours.

**Special protection equipment for fire fighting:**

Breathing protection.

**6. Accidental release measures:**

**Personal protection measures:**

Avoid skin and eye contact, do not inhale vapours

**Environmental protection measures:**

Do not let pass into canalisation, surface water or ground water.

**Measures for cleaning up/absorbing**

Take up with liquid-binding material, dispose of as special waste.

**Additional information:**

Clean leakage zone thoroughly with water and soap.

**7. Handling and storage:**

**Handling:**

**Information for secure handling:**

Prolonged or repeated skin contact should be avoided to minimise any risk of sensitization. Avoid contact with skin and eyes. Ventilation will remove any ozone that may be produced by the ultra violet lamp.

**Storage:**

**Requirements for storage rooms and containers:**

Store in original containers at cool and dry place. Store away from direct sunlight.

**8. Exposure controls and personal protection:**

**Additional information on the design of technical plants:**

UV lamp should be designed, installed and operated in such a way as to eliminate exposure of the skin and eyes to stray radiation. Install exhaust equipment near UV source.

**Limit values on working place that have to be controlled:**

The product does not contain any relevant quantities with limit values on working place that have to be controlled.

**Personal protection equipment:**

General protection and hygiene measures:

Do not eat, drink, smoke at work. Wash hands and grease them.

**Breathing protection:**

Not necessary, but a good ventilation at the working place is recommended.

**Hand protection:**

Protection gloves made from PE, PP with thin textile interior lining.

**Eye protection:**

UV-protection goggles against rays and splashes recommended.

**9. Physical and chemical properties:**

▪ <b>Form:</b>	liquid
▪ <b>Colour:</b>	colourless
▪ <b>Odour:</b>	characteristic, pungent.
▪ <b>pH-value:</b>	not available
▪ <b>Boiling point/Boiling range (in °C):</b>	205° C
▪ <b>Flash point (closed cup):</b>	> 97° C
▪ <b>Ignition temperature:</b>	> 150° C
▪ <b>Specific gravity at 20°C:</b>	1,07 g/cm <sup>3</sup>
▪ <b>Solubility in water:</b>	not, resp. low
▪ <b>Vapour pressure at 25° C:</b>	> 4 hPa
▪ <b>Viscosity:</b>	500 – 800 mPa.s

**10. Stability and reactivity:**

**General information:**

No dangerous reaction known in case of adequate handling and storage.

**Products to avoid:**

Amines, strong Lewis or mineral acids, thiosulfates.

**Dangerous decomposition products:**

No dangerous decomposition products known.

**11. Toxicological information:**

**Acute toxicity:**

LD<sub>50</sub> (oral, rat) < 2000 mg/kg

LD<sub>50</sub> (dermal, rabbit) > 2000 mg/kg (analogy)

**Additional toxicological information:**

**Primary irritating effects:**

Irritates eyes and respiratory system possible in case of direct contact. Sensitisation in case of long-term contact cannot be excluded.

**12. Ecological information:**

**Water hazard class:** 1 (low water hazard)

Do not let pass liquid glue into ground water/waters/sewage system.

**13. Disposal considerations:**

**Recommendation:**

Disposal as special waste according to official regulations.

14. **Transport information:**  
Not dangerous for transport according to transport regulations.

15. **Regulatory information:**

**Hazard label:**

Xi - Irritant

Contains: ( 2-hydroxyethyl)- methacrylate and isobornylacrylate

**Risk phrases:**

**R22**

Dangerous in case of ingestion

**R36/37/38**

Irritating to eyes and skin and respiratory system.

**R43**

Sensitisation possible in case of skin contact.

**Safety Phrases:**

**S 24/25**

Avoid contact with eyes and skin.

**S26**

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

**S28**

After contact with skin wash immediately with plenty of soap and water.

**S37**

Wear appropriate protection gloves

**S38**

In case of insufficient ventilation wear breathing protection.

**National regulations:**

Information on employment restrictions:

Four youths according to §15b(3) GefVo, as it is irritating dangerous substance

In case of fire: Annex III, No. 13, 24, 26, 28 (compare item 10)

Classification according to VbF: A III

Water hazard class: WGK I (self-assessment)

Other:

Observe accident prevention regulations VBG 81

16. **Additional Information:**

The information contained herein is based on the present state of our knowledge and does not therefore guarantee certain properties. Recipients of our product must take responsibility for observing existing laws and regulations.