

# Safety Data Sheet

according to Regulation (EU) No. 1907/2006

## UV Adhesive B 682-T

Print date : 17.07.2008

Product code : BO5209394

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### 1. Identification of the substance/preparation and of the company/undertaking

#### Identification of the substance or preparation

UV Adhesive B 682-T

#### Use of the substance/preparation

adhesives

#### Company/undertaking identification

Company name : BOHLE AG  
 Street : Dieselstr. 10  
 Place : D-42781 Haan  
 Telephone : 02129 5568-0 Telefax : 02129 5568 282  
 e-mail : info@bohle.de  
 Inquiry office : chemische Entwicklung

### 2. Hazards identification

#### Classification

Indications of danger : Irritant, Dangerous for the environment

R-phrases :

Irritating to eyes, respiratory system and skin.

May cause sensitization by skin contact.

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### 3. Composition/information on ingredients

#### Chemical characterization ( preparation )

Methacrylate/Acrylate resin(s).

#### Hazardous components

EC-No.	CAS-No.	Chemical name	Quantity	Classification
227-561-6	5888-33-5	Isobornylacrylate	25-50 %	Xi, N R43-36/37/38-51/53
212-782-2	868-77-9	2-hydroxyethyl methacrylate	10-30 %	Xi R36/38-43
201-177-9	79-10-7	acrylic acid, prop-2-enoic acid	<5 %	Xn, C, N R10-20/21/22-35-50

Full text of each relevant R phrase can be found in heading 16.

### 4. First aid measures

#### After inhalation

Move to fresh air. Consult a physician after significant exposure.

#### After contact with skin

Wash off with soap and plenty of water. If symptoms persist, call a physician. Show this safety data sheet to the doctor in attendance.

#### After contact with eyes

In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists, consult a specialist.

#### After ingestion

Do not induce vomiting. Immediately give large quantities of water to drink. Call a physician immediately.

### 5. Fire-fighting measures

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**Suitable extinguishing media**water spray dry powder foam carbon dioxide (CO<sub>2</sub>)**Extinguishing media which must not be used for safety reasons**

Do not use a solid water stream as it may scatter and spread fire.

**Special exposure hazards arising from substance or preparation itself, combustion products, resulting gases**@N05.00218100 Carbon monoxide, nitrogen oxides (NO<sub>x</sub>)**Special protective equipment for fire-fighters**

Standard procedure for chemical fires. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. In the event of fire, wear self-contained breathing apparatus.

**6. Accidental release measures****Personal precautions**

Use personal protective equipment.

**Environmental precautions**

Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration.

**Methods for cleaning up/taking up**

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Sweep up and shovel into suitable containers for disposal. Ensure adequate ventilation.

**7. Handling and storage****Handling****Advice on safe handling**

Harmful: danger of serious damage to health by prolonged exposure through inhalation and in contact with skin. Ensure adequate ventilation, especially in confined areas. Breathing apparatus needed only when aerosol or mist is formed. Wash hands before breaks and at the end of workday. Keep away from food, drink and animal feedingstuffs.

**Advice on protection against fire and explosion**

No special technical protective measures required.

**Storage****Requirements for storage rooms and vessels**

Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place.

**Advice on storage compatibility**

No special restrictions on storage with other products.

**Further information on storage conditions**

Keep away from direct sunlight. Keep away from heat.

**8. Exposure controls/personal protection****Exposure limit values****Exposure limits (EH40)**

CAS-No.	Chemical name	ml/m <sup>3</sup>	mg/m <sup>3</sup>	F/ml	Category	Origin
79-10-7	Acrylic acid (OLD)	10	30		TWA (8 h)	OES
		20	60		STEL (15 min)	OES

**Exposure controls**

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### Occupational exposure controls

Even in case of a full release, due to the small amount of substances present, it is not expected that exposure limits will be reached. However it is the duty of the user to verify this and follow given exposure limits at the workplace.

### Protective and hygiene measures

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. When using, do not eat, drink or smoke. Wash hands before breaks and at the end of workday. Keep away from food, drink and animal feedingstuffs.

### Respiratory protection

In case of insufficient ventilation wear suitable respiratory equipment.

### Hand protection

rubber gloves

### Eye protection

tightly fitting safety goggles

### Skin protection

Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use.

## 9. Physical and chemical properties

### General information

Physical state : liquid  
 Colour : clear  
 Odour : characteristic

### Important health, safety and environmental information

	Test method
pH-Value (at 20 °C) :	5

### Changes in the physical state

Flash point :	97 °C
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### Explosive properties

None.

Density (at 20 °C) :	1,0 g/cm <sup>3</sup>
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Water solubility :	practically insoluble
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Viscosity / dynamic : (at 20 °C)	800 mPa·s
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### Solvent content

0,0%

## 10. Stability and reactivity

### Conditions to avoid

Stable under recommended storage conditions.

### Materials to avoid

oxidizing agents, amines, strong acids

### Hazardous decomposition products

No decomposition if used as directed.

## 11. Toxicological information

### Corrosive and irritant effects

Skin irritation. Severe eye irritation.

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### Sensitising effects

May cause sensitisation by skin contact.

### Severe effects after repeated or prolonged exposure

Repeated or prolonged skin contact may cause skin irritation and/or dermatitis and sensitization of susceptible persons.

## 12. Ecological information

### Ecotoxicity

Ecological injuries are not known or expected under normal use.

## 13. Disposal considerations

### Waste disposal number of waste from residues/unused products

080409 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU of adhesives and sealants (including waterproofing products); waste adhesives and sealants containing organic solvents or other dangerous substances  
Classified as hazardous waste.

## 14. Transport information

### Land transport (ADR/RID)

UN number :	3082
ADR/RID class :	9
Classification code :	III
Warning plate	
Hazard-no. :	3
ADR/RID packing group :	9

### Description of the goods

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

## 15. Regulatory information

### Labelling

Danger symbols : Xi - Irritant; N - Dangerous for the environment



Xi - Irritant



N - Dangerous for the environment

### Hazardous component(s) to be indicated on label

2-hydroxyethyl methacrylate  
acrylic acid, prop-2-enoic acid

### R phrases

36/37/38	Irritating to eyes, respiratory system and skin.
43	May cause sensitization by skin contact.
51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### S phrases

24	Avoid contact with skin.
26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
37	Wear suitable gloves.

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- 57 Use appropriate containment to avoid environmental contamination.  
60 This material and its container must be disposed of as hazardous waste.

**Additional advice on labelling**

The product is classified and labelled in accordance with EC directives or respective national laws.

**National regulatory information****16. Other information****Full text of R-phrases referred to under sections 2 and 3**

- 10 Flammable.  
20/21/22 Harmful by inhalation, in contact with skin and if swallowed.  
35 Causes severe burns.  
36/37/38 Irritating to eyes, respiratory system and skin.  
36/38 Irritating to eyes and skin.  
43 May cause sensitization by skin contact.  
50 Very toxic to aquatic organisms.  
51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Further Information**

The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

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*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*