

Safety Data Sheet

according to 2001/58/EC

VERIFIX UV-adhesive HV770

Print date : 11.07.2006

Product code : BOHV77010

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1. Identification of the substance/preparation and of the company/undertaking**1.1 Identification of the substance or preparation**

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Use of the substance/preparation
adhesives**1.2 Company/undertaking identification**

Company name : BOHLE AG
 Street : Dieselstr. 10
 Place : D-42781 Haan
 e-mail :
 Inquiry office : Produktmanagement

Telephone : 02129 5568-0
 Telefax : 02129 5568 282

2. 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	25-75 %	Xi, N R43-36/37/38-51/53
212-782-2	868-77-9	2-hydroxyethyl methacrylate	2,5-10 %	Xi R36/38-43
201-177-9	79-10-7	acrylic acid, prop-2-enoic acid	2,5-10 %	Xn, C, N R10-20/21/22-35-50

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

3. Hazards identification**Classification**

Symbols : Irritant, Dangerous for the environment
 R-phrases :
 May cause sensitization by skin contact.
 Irritating to eyes, respiratory system and skin.
 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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 mediawater spray dry powder foam carbon dioxide (CO₂)**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 arriving from substance or preparation itself, combustion products, resulting gasesCarbon monoxide, nitrogen oxides (NO_x)**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**7.1 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.

7.2 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**8.1 Exposure limit values****Exposure limits (EH40)**

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

8.2 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

9.1 General information

Physical state : liquid
 Colour : clear
 Odour : characteristic

9.2 Important health, safety and environmental information

pH-Value (at 20 °C) :	5	Test method
Changes in the physical state		
Flash point :	97 °C	
Explosive properties		
None.		
Density (at 20 °C) :	1,0 g/cm ³	
Water solubility :	practically insoluble	
Viscosity / dynamic : at (20 °C)	5700 mPa·s	
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

Toxic to fish.

Additional information

Do not flush into surface water or sanitary sewer system.

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)

ADR/RID class :	9
Warnings plate	
Hazard-no. :	90
UN number :	3082
Hazard label :	9
ADR/RID packing group :	III

Description of the goods

UMWELTGEFÄHRDENDER STOFF, FLÜSSIG, N.A.G.

15. Regulatory information

15.1 Labelling

Indication of danger : Xi - Irritant; N - Dangerous for the environment



Xi - Irritant



N - Dangerous for the environment

Labelling according to EC-guidelines : The product is classified and labelled in accordance with EC directives or respective national laws.

Hazardous component(s) to be indicated on label

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

R phrases :

43 May cause sensitization by skin contact.

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

S phrases :

- 03 Keep in a cool place.
15 Keep away from heat.
21 When using do not smoke.
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
35 This material and its container must be disposed of in a safe way.
37 Wear suitable gloves.
41 In case of fire and/or explosion do not breathe fumes.
52 Not recommended for interior use on large surface areas.
57 Use appropriate containment to avoid environmental contamination.
61 Avoid release to the environment. Refer to special instructions / Safety data sheets.
24/25 Avoid contact with skin and eyes.

15.2 National regulations

16. Other information

List of relevant R phrases

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

Other data

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.

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