

**Safety Data Sheet**

according to 29 CFR 1910.1200(g)

**UV adhesive VERIFIX B 678-0 "Lamifix"**

Revision date: 06/22/2023

Product code: BO5209360

Page 1 of 6

**1. Identification**
**Product identifier**

UV adhesive VERIFIX B 678-0 "Lamifix"

**Further trade names**

BO 5209360, 85 g

BO 5209362, 1000 g / BO 5209362S, Spacer, 1000 g

**Recommended use of the chemical and restrictions on use**
**Use of the substance/mixture**

adhesives

**Details of the supplier of the safety data sheet**
**Manufacturer**

Company name:	BOHLE AG	
Street:	Dieselstr. 10	
Place:	D-42781 Haan	
Telephone:	+49 2129 5568-0	Telefax: +49 2129 5568-282
e-mail:	info@bohle.de	
Contact person:	Dr. Martin Schade	Telephone: +49 2129 5568-300
e-mail:	MSDS@bohle.de	
Internet:	www.bohle.com	
Responsible Department:	Chemie	

**Trader of the product**

Company name:	Bohle America, Inc.
Street:	10924 Granite Street, Suite 200
Place:	USA-NC 28273 Charlotte
e-mail (Contact person):	sales@bohle.com

**Emergency phone number:** Emergency CONTACT (24-Hour-Number):GBK GmbH +49 (0)6132-84463

**2. Hazard(s) identification**
**Classification of the chemical**
**29 CFR Part 1910.1200**

Skin corrosion/irritation: Skin Irrit. 2

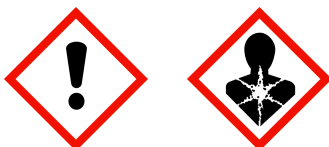
Serious eye damage/eye irritation: Eye Irrit. 2

Respiratory or skin sensitization: Skin Sens. 1

Specific target organ toxicity single exposure: STOT SE 3 (respiratory tract irritation)

Hazardous to the aquatic environment: Aquatic Chronic 3

**Label elements**
**29 CFR Part 1910.1200**
**Signal word:** Warning

**Pictograms:**

**Hazard statements**

Combustible liquid

Causes skin irritation

May cause an allergic skin reaction

Causes serious eye irritation

**Safety Data Sheet**

according to 29 CFR 1910.1200(g)

**UV adhesive VERIFIX B 678-0 "Lamifix"**

Revision date: 06/22/2023

Product code: BO5209360

Page 2 of 6

May cause respiratory irritation  
Suspected of damaging fertility or the unborn child

**Precautionary statements**

Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.  
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
Avoid breathing dust/fume/gas/mist/vapors/spray.  
Wash ... thoroughly after handling.  
Use only outdoors or in a well-ventilated area.  
Contaminated work clothing must not be allowed out of the workplace.  
Wear protective gloves/protective clothing/eye protection/face protection.  
If on skin: Wash with plenty of water.  
Specific treatment (see ... on this label).  
Take off contaminated clothing and wash it before reuse.  
If inhaled: Remove person to fresh air and keep comfortable for breathing.  
Call a poison center/doctor if you feel unwell.  
If in eyes: 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.  
If exposed or concerned: Get medical advice/attention.  
In case of fire: Use ... to extinguish.  
Store in a well-ventilated place. Keep container tightly closed.  
Store locked up.  
Dispose of contents/container to ....

**3. Composition/information on ingredients**
**Mixtures**
**Chemical characterization**

Methacrylate/Acrylate resin(s).

**Hazardous components**

CAS No	Components	Quantity
688-84-6	2-ethylhexyl methacrylate	<30 %
868-77-9	2-hydroxyethyl methacrylate	<30 %
75980-60-8	Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide	<3 %

**4. First-aid measures**
**Description of first aid measures**
**General information**

First aider: Pay attention to self-protection!  
Get medical advice/attention if you feel unwell.

**After inhalation**

Remove casualty to fresh air and keep warm and at rest. If symptoms persist, call a physician.

**After contact with skin**

Take off contaminated clothing and wash it before reuse. After contact with skin, wash immediately with plenty of water and soap. When in doubt or if symptoms are observed, get medical advice.

**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.

**Safety Data Sheet**

according to 29 CFR 1910.1200(g)

**UV adhesive VERIFIX B 678-0 "Lamifix"**

Revision date: 06/22/2023

Product code: BO5209360

Page 3 of 6

**Most important symptoms and effects, both acute and delayed**

Inhalation: Irritation to respiratory tract  
Skin contact : May cause an allergic skin reaction.  
Eye contact : Causes serious eye damage.

**Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

**5. Fire-fighting measures****Extinguishing media****Suitable extinguishing media**Water spray jet, Extinguishing powder, Foam, Carbon dioxide (CO<sub>2</sub>)**Unsuitable extinguishing media**

Full water jet

**Specific hazards arising from the chemical**Carbon monoxide, nitrogen oxides (NO<sub>x</sub>)**Special protective equipment and precautions 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, protective equipment and emergency procedures****General advice**

Wear personal protection equipment (refer to section 8).  
Provide adequate ventilation.

**Environmental precautions**

Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration.  
Local authorities should be advised if significant spillages cannot be contained.

**Methods and material for containment and cleaning up****Other information**

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.

**Reference to other sections**

Personal protection equipment (PPE): see section 8  
Disposal: see section 13

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

Avoid contact with skin and eyes.  
Do not eat, drink or smoke when using this product.  
Ensure adequate ventilation.

**Advice on protection against fire and explosion**

No special technical protective measures required.

**Advice on general occupational hygiene**

Wash hands before breaks and after work. When using do not eat, drink or smoke.  
Take off immediately all contaminated clothing and wash it before reuse. Draw up and observe skin protection programme.

## Safety Data Sheet

according to 29 CFR 1910.1200(g)

### UV adhesive VERIFIX B 678-0 "Lamifix"

Revision date: 06/22/2023

Product code: BO5209360

Page 4 of 6

#### Further information on handling

Avoid: UV-radiation/sunlight

#### Conditions for safe storage, including any incompatibilities

##### Requirements for storage rooms and vessels

Keep only in the original container in a cool, well-ventilated place.

Keep container tightly closed. Keep locked up.

Recommended storage temperature 5 - 25°C. Keep away from direct sunlight.

## 8. Exposure controls/personal protection

#### Control parameters

#### Exposure controls

##### Appropriate engineering controls

Provide sufficient air exchange and/or exhaust in work rooms.

Do not breathe vapour. To follow: Occupational exposure limit values

##### Individual protection measures, such as personal protective equipment

##### Eye/face protection

safety glasses with side-shields conforming to EN166

##### Hand protection

The selected protective gloves have to satisfy the specifications of EU Directive 89/689/EEC and the standard EN 374 derived from it.

Recommended material: NBR (Nitrile rubber), VITON

Unsuitable material: Natural fibres (e.g. cotton)

##### Skin protection

Wear suitable protective clothing.

##### Respiratory protection

Usually no personal respiratory protection necessary. When using do not eat, drink or smoke.

In case of inadequate ventilation wear respiratory protection. Full-/half-/quarter-face masks (EN 136/140)

Respirator with filter for organic vapour. Recommended Filter type: A (P2)

## 9. Physical and chemical properties

#### Information on basic physical and chemical properties

Physical state:	Liquid
Color:	colorless
Odor:	characteristic

	Test method
Flash point:	>100 °C
pH-Value (at 21 °C):	4 5% emulsion
Water solubility:	insoluble
Density (at 20 °C):	1,05 g/cm <sup>3</sup>

#### Other information

##### Other safety characteristics

Solvent content: 0%

Viscosity / dynamic:  
(at 25 °C) 550 mPa·s

## 10. Stability and reactivity

#### Reactivity

Light / UV-radiation/sunlight

Oxidizing agent, strong

**Safety Data Sheet**

according to 29 CFR 1910.1200(g)

**UV adhesive VERIFIX B 678-0 "Lamifix"**

Revision date: 06/22/2023

Product code: BO5209360

Page 5 of 6

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of hazardous reactions**

No known hazardous reactions.

**Conditions to avoid**

Keep cool. Protect from sunlight. Heat, flames and sparks.

In case of light influence: Polymerisation

**Incompatible materials**

 Reducing agent, strong. Oxidizing agent, strong  
strong acids and strong bases

**Hazardous decomposition products**

No decomposition if stored and applied as directed.

 Thermal decomposition can lead to the escape of irritating gases and vapors. Carbon monoxide (CO), Carbon dioxide (CO<sub>2</sub>), Hydrocarbons

**11. Toxicological information**
**Information on toxicological effects**
**Acute toxicity**

CAS No	Components				
	Exposure route	Dose	Species	Source	Method
688-84-6	2-ethylhexyl methacrylate				
	oral	LD50 mg/kg	16465	Rat	
868-77-9	2-hydroxyethyl methacrylate				
	oral	LD50 mg/kg	5050	Rat	
	dermal	LD50 mg/kg	>5000	Rabbit	
75980-60-8	Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide				
	oral	LD50 mg/kg	>5000	Rat	OECD 401
	dermal	LD50 mg/kg	>2000	Rat	OECD 402

Carcinogenicity (OSHA): No ingredient of this mixture is listed.

Carcinogenicity (IARC): No ingredient of this mixture is listed.

Carcinogenicity (NTP): No ingredient of this mixture is listed.

**12. Ecological information**
**Endocrine disrupting properties**

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

**13. Disposal considerations**
**Waste treatment methods**
**Disposal recommendations**

Consult the appropriate local waste disposal expert about waste disposal.

**Safety Data Sheet**

according to 29 CFR 1910.1200(g)

**UV adhesive VERIFIX B 678-0 "Lamifix"**

Revision date: 06/22/2023

Product code: BO5209360

Page 6 of 6

**Contaminated packaging**

Handle contaminated packages in the same way as the substance itself.

**14. Transport information****Other applicable information**

Not dangerous goods in the meaning of ADR/RID, ADNR, IMDG-Code, ICAO/IATA-DGR

**15. Regulatory information****U.S. Regulations****National regulatory information**

SARA Section 311/312 Hazards:

2-ethylhexyl methacrylate (688-84-6): Immediate (acute) health hazard

2-hydroxyethyl methacrylate (868-77-9): Immediate (acute) health hazard

Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide (75980-60-8): Immediate (acute) health hazard

**State Regulations****Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65, State of California)**

This product can not expose you to chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

**16. Other information****Changes**

Revision date: 06/22/2023

Revision No: 2,09

This data sheet contains changes from the previous version in section(s): 2,9.

**Other data**

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

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