

Safety Data Sheet

according to 29 CFR 1910.1200(g)

UV adhesive VERIFIX B 678-0 "Lamifix"

Revision date: 04/29/2022

Product code: BO5209360

Page 1 of 7

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:	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

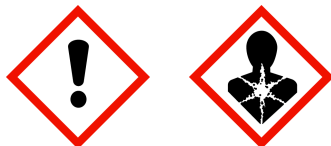
Serious eye damage/eye irritation: Eye Irrit. 2

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: 04/29/2022

Product code: BO5209360

Page 2 of 7

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 %
80-62-6	Methyl methacrylate	<1 %

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.

Safety Data Sheet

according to 29 CFR 1910.1200(g)

UV adhesive VERIFIX B 678-0 "Lamifix"

Revision date: 04/29/2022

Product code: BO5209360

Page 3 of 7

After ingestion

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

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 (CO₂)

Unsuitable extinguishing media

Full water jet

Specific hazards arising from the chemical

Carbon monoxide, nitrogen oxides (NO_x)

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

Safety Data Sheet

according to 29 CFR 1910.1200(g)

UV adhesive VERIFIX B 678-0 "Lamifix"

Revision date: 04/29/2022

Product code: BO5209360

Page 4 of 7

programme.

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 limits

CAS No.	Substance	ppm	mg/m ³	f/cc	Category	Origin
80-62-6	Methyl methacrylate	100	410		TWA (8 h)	PEL
		100	410		TWA (8 h)	REL

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 respirative 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
Changes in the physical state

Flash point:	>100 °C
pH-Value (at 21 °C):	4 5% emulsion
Viscosity / dynamic: (at 23 °C)	600 mPa·s
Water solubility:	insoluble

Safety Data Sheet

according to 29 CFR 1910.1200(g)

UV adhesive VERIFIX B 678-0 "Lamifix"

Revision date: 04/29/2022

Product code: BO5209360

Page 5 of 7

Density (at 20 °C):

1,1 g/cm³**Other information****Other safety characteristics**

Solvent content:

0%

Further Information**10. Stability and reactivity****Reactivity**

Light / UV-radiation/sunlight

Oxidizing agent, strong

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 materialsReducing 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 (CO₂), Hydrocarbons**11. Toxicological information****Information on toxicological effects**

Safety Data Sheet

according to 29 CFR 1910.1200(g)

UV adhesive VERIFIX B 678-0 "Lamifix"

Revision date: 04/29/2022

Product code: BO5209360

Page 6 of 7

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	
80-62-6	Methyl methacrylate					
	oral	LD50 mg/kg	7900	Rat		
	dermal	LD50 mg/kg	>5000	Rabbit	OECD 402	
	inhalation (4 h) vapour	LC50	78 mg/l	Rat		

Carcinogenicity (OSHA): No ingredient of this mixture is listed.
 Carcinogenicity (IARC): Methyl methacrylate (CAS 80-62-6) is listed in group 3.
 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.

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 304 CERCLA:

Methyl methacrylate (80-62-6): Reportable quantity = 1,000 (454) lbs. (kg)

Safety Data Sheet

according to 29 CFR 1910.1200(g)

UV adhesive VERIFIX B 678-0 "Lamifix"

Revision date: 04/29/2022

Product code: BO5209360

Page 7 of 7

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
- Methyl methacrylate (80-62-6): Fire hazard, Immediate (acute) health hazard

SARA Section 313 Toxic release inventory:

- Methyl methacrylate (80-62-6): De minimis limit = 1.0 %, Reportable threshold = Standard

Clean Air Act Section 112(b):

- Methyl methacrylate (80-62-6)

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: 29.04.2022

Revision No: 2,08

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

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.)