

Safety Data Sheet

according to UK REACH Regulation

UV adhesive VERIFIX B 678-0 "Lamifix"

Revision date: 22.06.2023

Product code: BO5209360

Page 1 of 8

SECTION 1: Identification of the substance/mixture and of the company/undertaking
1.1. 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

UFI: HR21-U0QX-300W-M469

1.2. Relevant identified uses of the substance or mixture and uses advised against
Use of the substance/mixture

adhesives

1.3. Details of the supplier of the safety data sheet

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	

1.4. Emergency telephone number: Emergency CONTACT (24-Hour-Number): GBK GmbH +49 (0)6132-84463

SECTION 2: Hazards identification
2.1. Classification of the substance or mixture
GB CLP Regulation

Skin Irrit. 2; H315
 Eye Irrit. 2; H319
 Skin Sens. 1; H317
 STOT SE 3; H335
 Aquatic Chronic 3; H412

Full text of hazard statements: see SECTION 16.

2.2. Label elements
GB CLP Regulation
Hazard components for labelling

2-ethylhexyl methacrylate
 2-hydroxyethyl methacrylate
 Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide
 Methyl methacrylate

Signal word: Warning

Pictograms:


Hazard statements

H315 Causes skin irritation.
 H319 Causes serious eye irritation.

Safety Data Sheet

according to UK REACH Regulation

UV adhesive VERIFIX B 678-0 "Lamifix"

Revision date: 22.06.2023

Product code: BO5209360

Page 2 of 8

H317	May cause an allergic skin reaction.
H335	May cause respiratory irritation.
H412	Harmful to aquatic life with long lasting effects.

Precautionary statements

P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P280	Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P302+P352	IF ON SKIN: Wash with plenty of water.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.

SECTION 3: Composition/information on ingredients
3.2. Mixtures
Chemical characterization

Methacrylate/Acrylate resin(s).

Hazardous components

CAS No	Chemical name	EC No	Index No	REACH No	Quantity
		Classification (GB CLP Regulation)			
688-84-6	2-ethylhexyl methacrylate				<30 %
	211-708-6			01-2119490166-35	
	Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1, STOT SE 3, Aquatic Chronic 3; H315 H319 H317 H335 H412				
868-77-9	2-hydroxyethyl methacrylate				<30 %
	212-782-2	607-124-00-X		01-2119490169-29	
	Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1; H315 H319 H317				
75980-60-8	Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide				<3 %
	278-355-8	015-203-00-X		01-2119972295-29	
	Repr. 2, Skin Sens. 1B, Aquatic Acute 2, Aquatic Chronic 2; H361f H317 H401 H411				

Full text of H and EUH statements: see section 16.

Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
		Specific Conc. Limits, M-factors and ATE	
688-84-6	211-708-6	2-ethylhexyl methacrylate	<30 %
		oral: LD50 = 16465 mg/kg STOT SE 3; H335: >= 10 - 100	
868-77-9	212-782-2	2-hydroxyethyl methacrylate	<30 %
		dermal: LD50 = >5000 mg/kg; oral: LD50 = 5050 mg/kg	
75980-60-8	278-355-8	Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide	<3 %
		dermal: LD50 = >2000 mg/kg; oral: LD50 = >5000 mg/kg	

SECTION 4: First aid measures
4.1. 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.

Safety Data Sheet

according to UK REACH Regulation

UV adhesive VERIFIX B 678-0 "Lamifix"

Revision date: 22.06.2023

Product code: BO5209360

Page 3 of 8

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.

4.2. 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.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Water spray jet, Extinguishing powder, Foam, Carbon dioxide (CO₂)

Unsuitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

Carbon monoxide, nitrogen oxides (NO_x)

5.3. Advice for firefighters

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.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General advice

Wear personal protection equipment (refer to section 8).

Provide adequate ventilation.

6.2. 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.

6.3. 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.

6.4. Reference to other sections

Personal protection equipment: see section 8

Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Avoid contact with skin and eyes.

Do not eat, drink or smoke when using this product.

Safety Data Sheet

according to UK REACH Regulation

UV adhesive VERIFIX B 678-0 "Lamifix"

Revision date: 22.06.2023

Product code: BO5209360

Page 4 of 8

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.

Further information on handling

Avoid: UV-radiation/sunlight

7.2. 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.

7.3. Specific end use(s)

adhesive

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****8.2. 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)

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state:	Liquid
Colour:	colourless
Odour:	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 ³

Safety Data Sheet

according to UK REACH Regulation

UV adhesive VERIFIX B 678-0 "Lamifix"

Revision date: 22.06.2023

Product code: BO5209360

Page 5 of 8

9.2. Other information
Other safety characteristics

Solvent content:

0%

 Viscosity / dynamic:
(at 25 °C)

550 mPa·s

SECTION 10: Stability and reactivity
10.1. Reactivity

Light / UV-radiation/sunlight

Oxidising agent, strong

10.2. Chemical stability

Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

No known hazardous reactions.

10.4. Conditions to avoid

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

In case of light influence: Polymerisation

10.5. Incompatible materials

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

10.6. Hazardous decomposition products

No decomposition if stored and applied as directed.

Thermal decomposition can lead to the escape of irritating gases and vapours. Carbon monoxide (CO),

 Carbon dioxide (CO₂), Hydrocarbons

SECTION 11: Toxicological information
11.1. Information on hazard classes as defined in GB CLP Regulation
Acute toxicity

CAS No	Chemical name					
	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	

SECTION 12: Ecological information
12.1. Toxicity

Safety Data Sheet

according to UK REACH Regulation

UV adhesive VERIFIX B 678-0 "Lamifix"

Revision date: 22.06.2023

Product code: BO5209360

Page 6 of 8

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
868-77-9	2-hydroxyethyl methacrylate					
	Acute fish toxicity	LC50	227 mg/l	96 h	Pimephales promelas	
75980-60-8	Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide					
	Acute fish toxicity	LC50	10 mg/l	96 h	Danio rerio (zebrafish)	
	Acute crustacea toxicity	EC50	3,53 mg/l	48 h	Daphnia magna (Big water flea)	OECD 202
	Acute bacteria toxicity	(EC50	2,01 mg/l)		Pseudokirchneriella subcapitata	OECD 201

12.2. Persistence and degradability

CAS No	Chemical name				
	Method	Value	d	Source	
	Evaluation				
688-84-6	2-ethylhexyl methacrylate				
	OECD 301C/ ISO 9408/ EEC 92/69/V, C.4-F	88%	28		
	Readily biodegradable (according to OECD criteria).				
75980-60-8	Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide				
	aerob	0-10%	28		
	Not readily biodegradable (according to OECD criteria)				

12.3. Bioaccumulative potential
Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
868-77-9	2-hydroxyethyl methacrylate	0,47

BCF

CAS No	Chemical name	BCF	Species	Source
75980-60-8	Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide	18-22		

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH.

12.6. 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.

SECTION 13: Disposal considerations
13.1. Waste treatment methods
Disposal recommendations

Consult the appropriate local waste disposal expert about waste disposal.

List of Wastes Code - 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 hazardous substances; hazardous waste

List of Wastes Code - used product

Safety Data Sheet

according to UK REACH Regulation

UV adhesive VERIFIX B 678-0 "Lamifix"

Revision date: 22.06.2023

Product code: BO5209360

Page 8 of 8

H335	May cause respiratory irritation.
H361f	Suspected of damaging fertility.
H401	Toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Further Information

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.)