

## UV-Activator LF

### GENERAL DESCRIPTION

BOHLE UV-Activator LF is used to initiate the cure of BOHLE UV-Adhesive B 682. The activator is safe to use in production environments as it is nonflammable, and contains no solvents or VOC's. Because the product is solvent free, parts can be bonded immediately after the activator is applied to the bonding surface. No drying time is required. The activator has been specifically designed for use with the UV-Adhesive B 682 to obtain consistent adhesive strength and reduce the possibility of over-activation. The activator can be sprayed, brushed, or wiped onto parts and can be easily applied manually or by dispensing equipment.



### FEATURES & BENEFITS

Nonflammable  
Solvent Free (100% Solids)  
Environmentally Friendly  
Flexible Initiator / Adhesive Ratio - Consistent Bond Strength  
User Friendly Requires No Drying Time

### APPLICATION & DISPENSING

1. The initiator should be applied in a very thin film to the smaller part of the bonding surfaces.

Because the activator contains no solvents a flash off time is not required

2. The UV-Adhesive B 682 should be applied in a bead to the non-activated part.
3. After joining the parts should be assembled within 30 seconds
4. Parts should be clamped for 5 minutes until handling or fixture strength is obtained.
5. Excess adhesive can be removed
6. The final adhesive strength will be obtained after 24 hours

! Keep the container always tightly closed when not in use !  
! Do not exceed the maximum glue line thickness of 0,25 mm, as the adhesive will not fully cure !

### Available sizes::

Activator	100ml Can	Art.-No. 52 093 66
	9ml Bottle with brush	Art.-No. 52 093 65

Precautions see EU Safety Data Sheet. The above specifications are the result of careful research and development. All previous specifications are hereby null and void. Users are themselves responsible for ensuring the suitability of the product for the purpose intended, liability on the part of Bohle AG being limited to the purchase price of the material. Bohle AG cannot accept liability for damage, in particular that caused by the use of the product or its unsuitability, nor can Bohle AG accept responsibility for unauthorized recommendations or guarantees which deviate from or exceed the specifications given in this product data sheet.

# Safety Data Sheet

according to 2001/58/EC

## UV activator LF

Print date : 24.02.2006

Product code : BO5209365

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

#### 1.1 Identification of the substance or preparation

UV activator LF

#### 1.2 Company/undertaking identification

Company name : BOHLE AG  
Street : Dieselstr. 10  
Place : D-42781 Haan  
Contact person : Uwe Adler Telephone : 02129 5568-0  
e-mail : uadler@bohle.de Telefax : 02129 5568 282  
Inquiry office : Produktmanagement

### 2. Composition/information on ingredients

Chemical characterization ( preparation )

#### Hazardous components

EC-No.	CAS-No.	Chemical name	Quantity	Classification
270-109-8	68411-20-1	Amine-Aldehyde Condensate	40-50 %	Xn R36-48-20/21/22

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

### 3. Hazards identification

#### Classification

Symbols : Harmful

R-phrases :

Harmful by inhalation, in contact with skin and if swallowed.

The classification corresponds to the current EC listing, but is enhanced by specialised literature data and the Company's own information.

### 4. First aid measures

#### After inhalation

Move to fresh air.

#### After contact with skin

Wash off immediately with soap and plenty of water. If skin irritation persists, call a physician.

#### 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.

#### After ingestion

Call a physician immediately.

### 5. Fire-fighting measures

#### Suitable extinguishing media

water spray dry powder foam carbon dioxide (CO<sub>2</sub>)

#### Extinguishing media which must not be used for safety reasons

high volume water jet

#### Special exposure hazards arising from substance or preparation itself, combustion products, resulting gases

Heating or fire can release toxic gas.

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### Special protective equipment for fire-fighters

In the event of fire and/or explosion do not breathe fumes.

### Additional information

Standard procedure for chemical fires.

## 6. Accidental release measures

### Personal precautions

Ensure adequate ventilation.

### Environmental precautions

Prevent product from entering drains.

Local authorities should be advised if significant spillages cannot be contained.

### Methods for cleaning up/taking up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

Keep in suitable, closed containers for disposal.

## 7. Handling and storage

### 7.1 Handling

#### Advice on safe handling

Harmful if swallowed.

#### Advice on protection against fire and explosion

Keep away from heat.

#### Further information on handling

When using, do not eat, drink or smoke. Avoid contact with the skin and the eyes.

### 7.2 Storage

#### Requirements for storage rooms and vessels

Store at room temperature in the original container.

#### Advice on storage compatibility

Not required

#### Further information on storage conditions

No conditions to be specially mentioned.

#### Storageclass (VCI) :

-

## 8. Exposure controls/personal protection

### 8.1 Exposure limit values

### 8.2 Exposure controls

#### 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

Keep away from food, drink and animal feedingstuffs.

Wash hands before breaks and immediately after handling the product.

#### Respiratory protection

Provide adequate ventilation.

#### Hand protection

Latex gloves

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### Eye protection

safety glasses

### Skin protection

impervious clothing

## 9. Physical and chemical properties

### 9.1 General information

Physical state : liquid  
 Colour : brown  
 Odour : characteristic

### 9.2 Important health, safety and environmental information

Test method

#### Changes in the physical state

Melting point :	not determined
Boiling point :	not determined
Flash point :	124 °C
Lower explosion limits :	not applicable
Upper explosion limits :	not applicable
Vapour pressure :	12 hPa
at (20 °C)	
Density (at 20 °C) :	1,05 g/cm <sup>3</sup>
Water solubility :	insoluble
Viscosity / dynamic :	20 mPa·s
at (25 °C)	
Vapour density :	2
at (20 °C)	

#### Solvent content

0%

### 9.3 Other information

Auto-ignition temperature	none
solid :	
gas :	

## 10. Stability and reactivity

### Conditions to avoid

No decomposition if used as directed.

### Materials to avoid

strong acids and oxidizing agents amines

### Hazardous decomposition products

None known.

## 11. Toxicological information

### Corrosive and irritant effects

Eye irritation  
 Skin irritation

### Sensitising effects

None known.

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### Additional information on tests

Harmful if swallowed.

### Empirical data on effects on humans

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. Inhalation of high vapour concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.

## 12. Ecological information

### Ecotoxicity

This product has no known eco-toxicological effects.

### Additional information

Do not flush into surface water or sanitary sewer system.

## 13. Disposal considerations

### Advice on disposal

In accordance with local and national regulations.

### 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.

### Contaminated packaging

Empty containers can be landfilled, when in accordance with the local regulations.

## 14. Transport information

### Futher Information

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

## 15. Regulatory information

### 15.1 Labelling

Indication of danger : Xn - Harmful



Xn - Harmful

Labelling according to EC-guidelines : Classification according to European directive on classification of hazardous preparations 1999/45/EC.

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

Amine-Aldehyde Condensate

### R phrases :

20/21/22 Harmful by inhalation, in contact with skin and if swallowed.

### S phrases :

36/37 Wear suitable protective clothing and gloves.

### 15.2 National regulations

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**16. Other information****List of relevant R phrases**

- |          |   |
|----------|---|
| 36       | Irritating to eyes.   |
| 48       | Danger of serious damage to health by prolonged exposure.     |
| 20/21/22 | Harmful by inhalation, in contact with skin and if swallowed. |

**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.

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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.)*