Telephone: +49 2129 5568-276



# **Safety Data Sheet**

according to Regulation (EC) No 1907/2006

## **UV** activator LF

Revision date: 07.06.2017 Product code: BO5209367 Page 1 of 7

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

#### 1.1. Product identifier

UV activator LF

#### Further trade names

BO 5209365, 9 ml BO 5209367, 50 ml

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

#### Use of the substance/mixture

Binder

### 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

Telephone: +49 2129 5568-0 Telefax: +49 2129 5568-282

e-mail: info@bohle.de
Contact person: Klaus Nehren

e-mail: MSDS@bohle.de Internet: www.bohle-group.com

Responsible Department: Chemie

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

number:

## **SECTION 2: Hazards identification**

## 2.1. Classification of the substance or mixture

## Regulation (EC) No. 1272/2008

Hazard categories:

Respiratory or skin sensitisation: Skin Sens. 1

Specific target organ toxicity - repeated exposure: STOT RE 2 Hazardous to the aquatic environment: Aquatic Chronic 2

Hazard Statements:

May cause an allergic skin reaction.

May cause damage to organs through prolonged or repeated exposure.

Toxic to aquatic life with long lasting effects.

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

### 2.2. Label elements

### Regulation (EC) No. 1272/2008

### Hazard components for labelling

Butanal, reaction products with anilin

Signal word: Warning

Pictograms:







## **Hazard statements**

H317 May cause an allergic skin reaction.

H373 May cause damage to organs through prolonged or repeated exposure.

H411 Toxic to aquatic life with long lasting effects.



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### **Precautionary statements**

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P280 Wear protective gloves/protective clothing/eye protection/face 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

### Hazardous components

CAS No	Chemical name				
	EC No	Index No	REACH No		
	Classification according to Regulation (EC) No. 1272/2008 [CLP]				
68411-20-1	Butanal, reaction products with anilin			< 69%	
	270-109-8				
	Skin Sens. 1, STOT RE 2, Aquatic Chronic 2; H317 H373 H411				

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

### **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.

### 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

Skin contact: May cause an allergic skin reaction.

# 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

High power water jet

# 5.2. Special hazards arising from the substance or mixture

Burning produces irritant fumes. Carbon monoxide, Carbon dioxide, Hydrocarbons, Nitrogen oxides (NOx)



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#### 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

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

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.

Ensure adequate ventilation.

### Advice on protection against fire and explosion

No special technical protective measures required.

### 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.

# **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

### Protective and hygiene measures

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.

### 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



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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 (DIN 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: yellow - amber Odour: characteristic

Test method

### Changes in the physical state

Flash point: 108 °C

Water solubility: practically insoluble

Viscosity / dynamic: 20 mPa·s

(at 23 °C)

### **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 toxicological effects

### **Acute toxicity**

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



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CAS No	Chemical name							
	Exposure route	Dose	Species	Source	Method			
68411-20-1	Butanal, reaction products with anilin							
	oral	LD50 4592 mg/kg	Rat					

### Irritation and corrosivity

Based on available data, the classification criteria are not met.

### Sensitising effects

Based on available data, the classification criteria are not met.

May cause an allergic skin reaction.

## Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

#### STOT-single exposure

Based on available data, the classification criteria are not met.

### STOT-repeated exposure

Based on available data, the classification criteria are not met.

May cause damage to organs through prolonged or repeated exposure.

#### Aspiration hazard

Based on available data, the classification criteria are not met.

## **SECTION 12: Ecological information**

# 12.1. Toxicity

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

CAS No	Chemical name							
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method		
68411-20-1	Butanal, reaction products with anilin							
	Acute crustacea toxicity	EC50 3,8 mg/l	1	Daphnia pulex (water flea)				

### **Further information**

Do not flush into surface water or sanitary sewer system.

# **SECTION 13: Disposal considerations**

## 13.1. Waste treatment methods

## Advice on disposal

Should not be released into the environment.

Consult the appropriate local waste disposal expert about waste disposal.

# 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 hazardous substances

Classified as hazardous waste.

### Waste disposal number of used product

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

Classified as hazardous waste.



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## Waste disposal number of contaminated packaging

150110 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND

PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by

hazardous substances Classified as hazardous waste.

### Contaminated packaging

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

## **SECTION 14: Transport information**

### Land transport (ADR/RID)

**14.1. UN number:** UN 3082

**14.2. UN proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

@6841.20.1Dy5

14.3. Transport hazard class(es):914.4. Packing group:IIIHazard label:9



M6

Classification code:

Special Provisions: 274 335 375 601

Limited quantity: 5 L
Excepted quantity: E1
Transport category: 3
Hazard No: 90
Tunnel restriction code: E

Inland waterways transport (ADN)

**14.1. UN number:** UN 3082

**14.2. UN** proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

@6841.20.1Dy5

14.3. Transport hazard class(es):914.4. Packing group:IIIHazard label:9



Classification code: M6

Special Provisions: 274 335 375 601

Limited quantity: 5 L Excepted quantity: E1

Marine transport (IMDG)

<u>14.1. UN number:</u> UN 3082

**14.2. UN proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

Butanal, reaction products with anilin

14.3. Transport hazard class(es):914.4. Packing group:IIIHazard label:9



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Special Provisions: 274, 335, 969

Limited quantity: 5 L
Excepted quantity: E1
EmS: F-A, S-F

Air transport (ICAO-TI/IATA-DGR)

**14.1. UN number:** UN 3082

**14.2. UN** proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

Butanal, reaction products with anilin

14.3. Transport hazard class(es):914.4. Packing group:IIIHazard label:9



Special Provisions: A97 A158 A197

Limited quantity Passenger: 30 kg G Passenger LQ: Y964 Excepted quantity: E1

IATA-packing instructions - Passenger: 964
IATA-max. quantity - Passenger: 450 L
IATA-packing instructions - Cargo: 964
IATA-max. quantity - Cargo: 450 L

# **SECTION 15: Regulatory information**

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

### National regulatory information

Employment restrictions: Observe restrictions to employment for juvenils according to the 'juvenile

work protection guideline' (94/33/EC).

Water contaminating class (D): 1 - slightly water contaminating

### 15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

# **SECTION 16: Other information**

### Relevant H and EUH statements (number and full text)

H317 May cause an allergic skin reaction.

H373 May cause damage to organs through prolonged or repeated exposure.

H411 Toxic to aquatic life with long lasting effects.

#### **Further Information**

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 singulary 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.)