

according to 29 CFR 1910.1200(g)

UV activator 30

Revision date: 25.08.2020

Product code: BO5209369

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1. Identification**Product identifier**

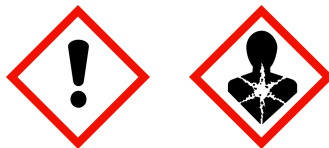
UV activator 30

Further trade namesBO 5209368, 9 ml
BO 5209369, 50 ml**Recommended use of the chemical and restrictions on use****Use of the substance/mixture**

adhesives

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:	Klaus Nehren	Telephone: +49 2129 5568-276
e-mail:	MSDS@bohle.de	
Internet:	www.bohle.com	
Responsible Department:	Chemie	

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**Respiratory or skin sensitization: Skin Sens. 1
Carcinogenicity: Carc. 2
Specific target organ toxicity repeated or prolonged exposure: STOT RE 2**Label elements****29 CFR Part 1910.1200****Signal word:** Warning**Pictograms:****Hazard statements**May cause an allergic skin reaction
Suspected of causing cancer
May cause damage to organs through prolonged or repeated exposure**Precautionary statements**Do not breathe dust/fume/gas/mist/vapors/spray.
Wear protective gloves/protective clothing/eye protection/face protection.
If on skin: Gently wash with plenty of soap and water.
If skin irritation or rash occurs: Get medical advice/attention.
Take off contaminated clothing and wash it before reuse.**3. Composition/information on ingredients****Mixtures**

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Hazardous components

CAS No	Components	Quantity
68411-20-1	Butanal, reaction products with aniline	<70 %
62-53-3	aniline	<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.

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

Skin contact : May cause an allergic skin reaction.

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

Burning produces irritant fumes. Carbon monoxide, Carbon dioxide, Hydrocarbons, 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**

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

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

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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.

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
62-53-3	Aniline and homologs	5	19		TWA (8 h)	PEL

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 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)

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9. Physical and chemical properties**Information on basic physical and chemical properties**

Physical state: Liquid
Color: yellow - amber
Odor: characteristic

Test method**Changes in the physical state**

Flash point: 108 °C 226°F
Water solubility: practically insoluble
Viscosity / dynamic:
(at 23 °C) 25 mPa·s
Solvent content: 0%

10. Stability and reactivity**Reactivity**

Light / UV-radiation/sunlight
Oxidising agent, strong

Chemical stability

Stability: Stable
Stable under recommended storage conditions.

Possibility of hazardous reactions

Hazardous reactions: May occur
No known hazardous reactions.

Conditions to avoid

Keep cool. Protect from sunlight. Heat, flames and sparks.
In case of light influence: Polymerisation

Incompatible materials

Amines, Reducing agent, strong. Oxidising 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****Acute toxicity**

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

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CAS No	Components				
	Exposure route	Dose	Species	Source	Method
68411-20-1	Butanal, reaction products with aniline				
	oral	LD50 mg/kg	4592	Rat	
62-53-3	aniline				
	oral	LD50 mg/kg	250-440	Rat	
	dermal	LD50 mg/kg	442-1400	Rat	
	inhalation (4 h) vapour	LC50 mg/l	1-1,82	Rat	
	inhalation aerosol	ATE	0,5 mg/l		

Irritation and corrosivity

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

Sensitizing effects

May cause an allergic skin reaction (Butanal, reaction products with aniline; aniline)

May cause an allergic skin reaction.

Carcinogenic/mutagenic/toxic effects for reproduction

Suspected of causing cancer (aniline)

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

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

Specific target organ toxicity (STOT) - single exposure

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

Specific target organ toxicity (STOT) - repeated exposure

May cause damage to organs through prolonged or repeated exposure (Butanal, reaction products with aniline)

May cause damage to organs through prolonged or repeated exposure.

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

Carcinogenicity (IARC): Aniline (CAS 62-53-3) is listed in group 3.

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

Aspiration hazard

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

12. Ecological information

Ecotoxicity

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

Further information

Do not flush into surface water or sanitary sewer system.

13. Disposal considerations

Waste treatment methods

Disposal recommendations

Should not be released into the environment.

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



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US DOT 49 CFR 172.101

Proper shipping name: No dangerous good in sense of this transport regulation.

Marine transport (IMDG)

UN number: No dangerous good in sense of this transport regulation.

UN proper shipping name: No dangerous good in sense of this transport regulation.

Transport hazard class(es): No dangerous good in sense of this transport regulation.

Packing group: No dangerous good in sense of this transport regulation.

Air transport (ICAO-TI/IATA-DGR)

UN number: No dangerous good in sense of this transport regulation.

UN proper shipping name: No dangerous good in sense of this transport regulation.

Transport hazard class(es): No dangerous good in sense of this transport regulation.

Packing group: No dangerous good in sense of this transport regulation.

Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

Special precautions for user

No dangerous good in sense of this transport regulation.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No dangerous good in sense of this transport regulation.

15. Regulatory information

U.S. Regulations

National regulatory information

SARA Section 302 Extremely hazardous substances:

Aniline (62-53-3): Reportable quantity = 5,000 lbs., Threshold planning quantity = 1,000 lbs.

SARA Section 304 CERCLA:

Aniline (62-53-3): Reportable quantity = 5,000 (2270) lbs. (kg)

SARA Section 311/312 Hazards:

Butanal, reaction products with aniline (68411-20-1): Immediate (acute) health hazard, Delayed (chronic) health hazard

Aniline (62-53-3): Delayed (chronic) health hazard, Immediate (acute) health hazard

SARA Section 313 Toxic release inventory:

Aniline (62-53-3): De minimis limit = 1.0 %, Reportable threshold = Standard

Clean Air Act Section 112(b):

Aniline (62-53-3)

State Regulations

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

WARNING: This product can expose you to chemicals including Aniline (cancer), which are known to the State of California to cause cancer, birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

16. Other information

Hazardous Materials Information Label (HMIS)

Health: 4

Flammability: 1

Physical Hazard: 0

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NFPA Hazard Ratings

Health:	3
Flammability:	1
Reactivity:	0
Unique Hazard:	

**Changes**

Revision date: 25.08.2020

Revision No: 1,03

This data sheet contains changes from the previous version in section(s): 3.

Other data

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights.

The receiver of our product is singularly 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.)