

EC Safety Data Sheet 1907/2006/EU Bohricin®

1. Commercial product name and supplier

Commercial product name: Bohricin®
Application: Disinfectant, special disinfectant for dental instruments
Producer: FAVODENT Karl Huber GmbH
 Greschbachstraße 17
 76229 Karlsruhe, Germany
 Tel.: +49 (0)721 / 62686-0 Fax: +49 (0)721 / 62686-66
 E-Mail: info@favodent.com
TOX emergency number: Ms Apoth. Wolf, phone number: +49 (0)179 / 5146888

2. Hazard identification

C Corrosive. Flammable. May cause sensitization by skin contact
 R 10-34-43
 Flammable
 Causes burns
 May cause sensitiveness by skin contact, Avoid contact with eyes and skin

3. Composition

Disinfection composition, Solution in water

Hazardous components:

<u>Substance:</u>	<u>CAS-No.</u>	<u>EINECS-No.</u>	<u>Label.</u>	<u>R-Phrase</u>	<u>%</u>
Potassium - hydroxide	1310-58-3	215-181-3	C, Xn	R 22-35	1-5
Ethanol	64-17-5	200-578-6	F	R 11	5-10
Iso-Propanol	67-63-0	200-661-7	F, Xi	R11-36-37	5-10
Formaldehyd	50-00-0	200-001-8	T	R40-23/24/25 34-43	<1
Glyoxal	107-22-2	605-016-00-7	Xn	R20-36/38-43-68	<1

4. First aid measures

Eye contact:

Flush eyes with plenty of water (10-15min). Call a physician.

Skin contact:

Flush with plenty of water and wash skin with soap.

Ingestion:

After Ingestion wash mouth out with water, call a physician immediately and show packaging or label.

Inhalation:

Take into fresh air. If you feel unwell, seek medical advise (show this data sheet), if not breathing, give artificial respiration. If breathing is difficult, give oxygen.

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5. Fire-fighting measures

Suitable extinguishing media:

Foam, powder, carbon dioxide, water spray

Extinguishing media to avoid:

No Data

Further information:

Vapour is flammable

6. Accidental release measures

Personal precautions

Use personal protective equipment. Keep people away from and upwind of spill/leak.

Environmental precautions

Do not allow material to contaminate ground water system. Local authorities should be advised if significant spillages cannot be contained. Do not let product enter drains. Do not flush into surface water or sanitary sewer system.

Cleaning and absorption procedure

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Soak up with inert absorbent material and dispose of as hazardous waste.

7. Handling and storage

Handling:

Only adequately trained personnel should handle this product. Keep out of reach of children.

Industrial hygiene:

Usual hygienic measures are necessary. When using, do not drink, eat or smoke.

Storage:

Not near food.

Place of storage:

Store in a cool, dry place.

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8. Exposure controls / personal protection

Technical equipment:

Provide adequate local ventilation. Control airborne concentration below the exposure guideline.

Control of threshold limits:

CAS- No.	Substance		Limit	Peak limit
64-17-5	Ethanol	MAK (TRGS 900)	500 ml/m ³ , 960 mg/m ³	2(II)
67-63-0	2-Propanol	MAK (TRGS 900)	200 ml/m ³ , 500 mg/m ³	2(II)
50-00-0	Formaldehyde	MAK (TRGS 900)	0,5 ml/m ³ , 0,6 mg/m ³	= 1=

BAT-Value (TRGS 903)

Substance	Parameter	BAT-Value	Testing Material	Testing Time
2-Propanol	Acetone	50 mg/l	B	b

CMR-List, Germany: TRGS 905 TRGS 905, RL 67/548/EWG, App. 1

CAS-No.	Substance
50-00-0	Formaldehyde
107-22-2	Glyoxal

Respiratory protection:

Aerosols: Do not breathe vapour or spray. In poorly ventilated areas, use air-purifying respiratory

Protection Apparatus (type A).

Hand protection:

Glove

Eye protection:

Safety goggles.

Other:

Safety shower and eye wash fountain should be located in work area.

9. Physical and chemical properties

<u>Appearance:</u>	liquid
<u>Colour:</u>	pale yellow
<u>Odour:</u>	like alcohol
<u>Change in physical state:</u>	
<u>Boiling point:</u>	82 °C
<u>Ignition temperature:</u>	not available
<u>Flashpoint:</u>	not available-
<u>Explosion limits:</u>	vapours are flammable
<u>Density:</u>	1,02 g/cm ³ at 20°C
<u>Solubility in water:</u>	yes
<u>pH-Value:</u>	13

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10. Stability and reactivity

Thermal decomposition:

No decomposition by storage at room temperature

Hazardous decomposition:

With strong acids and oxidants

Hazardous reactions:

No hazardous reactions if used correct

Further information:

Not available

11. Toxicological information

Acute toxicity:

Not available

Sensitiveness:

Through Skin contact possible

Eyes: Material is destructive to eyes

Skin: Causes burns

Acute effects:

Causes burns, may be harmful if adsorbs through the skin. May be very harmful if swallowed.

12. Ecological information

Information on elimination (persistence an degradability):

Biological easy degradable

Environment: no chlorine in the product

Fish toxicity: not available

Bacterial toxicity: not available

General Advice: do not let reach waters, waste waters or ground

13. Disposal considerations

Recommendation: Complete empty cans, normal trash, please ask local authorities in the case of cans with content.

Polluted packaging: Waste disposal in line with local regulations.

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Bohricin®****14. Transport information****Transport at land ADR/RID and GGVS/GGVE (border crossing / in the country)**

ADR/RID-GGVS/E class: 3+8, flammable corrosive agents
Cipher/ letter: 38
UN-No.: 2924
Component: Flammable, Corrosive basic organic liquid agent, n.a.g.
(Ethanol, 2-Propanol, Potassium hydroxide)
Packaging group: III

Transport at see IMDG/GGVSee:

IMDG/GGVSee-class: 3+8
Page:
UN-No.: 2924
EMS-No.: F-E, S-C
Marine pollutant: No
Correct technical name: Flammable, Corrosive liquid, basic, organic, n.o.s.
(Ethanol, 2-Propanol, Potassium hydroxide)
Comment : Packing Group III

Air transport ICAO-TI and IATA-DGR:

ICAO/IATA-class: 3+8
UN/ID-No.: 2924
Packaging group: III
Correct technical name Flammable, Corrosive liquid, basic, organic, n.o.s.
(Ethanol, 2-Propanol, Potassium hydroxide)

15. Regulatory information

This product requires classification according to the criteria of the EC and the „Gefahrstoffverordnung“

Hazard designation:

C corrosive, flammable

Risk phrases:

R 10 Flammable
R 34 Causes burns
R 43 May cause sensitiveness by skin contact, Avoid contact with eyes and skin

Safety phrases:

S 2 Keep out in the reach of children
S 7 Keep container tightly closed.
S 24/25 Avoid contact with skin and eyes.
S 26 In case of contact with eyes rinse immediately with plenty of water and seek medical advice
S 64 If swallowed, rinse the mouth with water, (only if the person is conscious)
S 37/39 Wear suitable protective clothing, gloves and eye protection.

Class of water danger: 1

16. Other information

The above mentioned data correspond to our present state of knowledge and experience. The safety data sheet serves as description of the products in regard to necessary safety measures. The indications have not the meaning of guarantees on properties.