



Safety Data Sheet

according to Regulation (EC) No 1907/2006

Bohricin NF

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H319 Causes serious eye irritation.

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

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

P233 Keep container tightly closed.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER/doctor.

P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P403+P235 Store in a well-ventilated place. Keep cool.

2.3. Other hazards

PBT: not applicable. vPvB: not applicable

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous components

EC No	Chemical name	Quantity
CAS No	Classification according to Directive 67/548/EEC	
Index No	Classification according to Regulation (EC) No. 1272/2008 [CLP]	
REACH No		
200-661-7	propan-2-ol	10-25 %
67-63-0	F - Highly flammable, Xi - Irritant R11-36-67	
603-117-00-0	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336	
01-2119457558-25		
215-185-5	sodium hydroxide	<=2,5 %
1310-73-2	C - Corrosive R35	
	Skin Corr. 1A; H314	
01-2119457892-27		

Full text of R-, H- and EUH-phrases: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Change contaminated, saturated clothing. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

After inhalation

Remove victim to fresh air and keep at rest in a position comfortable for breathing.
Call a physician immediately.

After contact with skin

After contact with skin, wash immediately with plenty of water and soap.
Seek medical advice immediately.

After contact with eyes

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.



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After ingestion

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention.
Do NOT induce vomiting.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms may develop several hours following exposure; medical observation therefore necessary for at least 48 hours.

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

First Aid, decontamination, treatment of symptoms.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Dry extinguishing powder. Carbon dioxide (CO₂). alcohol resistant foam. Water spray jet

Unsuitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

No further Information available.

5.3. Advice for firefighters

Special protective equipment for firefighters: Protective clothing. In case of fire: Wear self-contained breathing apparatus.

Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.
Disposal: see section 13

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

See protective measures under point 7 and 8. Provide adequate ventilation. Personal protection equipment: see section 8 Keep away from unprotected people. Do not touch or tread spilled product.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Cover drains.

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).
Treat the recovered material as prescribed in the section on waste disposal.

6.4. Reference to other sections

See protective measures under point 7 and 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

See chapter 8. Wear personal protection equipment (see chapter 8). Keep container tightly closed.

Advice on protection against fire and explosion

Keep away from sources of heat (e.g. hot surfaces), sparks and open flames.

Further information on handling

No special measures are necessary.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed in a cool, well-ventilated place.



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Advice on storage compatibility

Keep away from:
Food and feedingstuffs

Further information on storage conditions

Keep away from:
Frost
Heat
Humidity

7.3. Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
67-63-0	Propan-2-ol	400	999		TWA (8 h)	WEL
		500	1250		STEL (15 min)	WEL
57-55-6	Propane-1,2-diol, particulates	-	10		TWA (8 h)	WEL
		-	-		STEL (15 min)	WEL
1310-73-2	Sodium hydroxide	-	-		TWA (8 h)	WEL
		-	2		STEL (15 min)	WEL

8.2. Exposure controls

Appropriate engineering controls

Not necessary

Protective and hygiene measures

Only wear fitting, comfortable and clean protective clothing.
Avoid contact with skin, eyes and clothes.
Wash hands and face before breaks and after work and take a shower if necessary.

Eye/face protection

Suitable eye protection:
goggles, Eye glasses with side protection

Hand protection

Suitable gloves type:
NBR (Nitrile rubber) DIN EN 374,
Butyl caoutchouc (butyl rubber) DIN EN 374
NR (natural rubber, natural latex)

Skin protection

Protective clothing.

Respiratory protection

Not necessary



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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	liquid
Colour:	ref. to label
Odour:	like alcohol

	Test method
pH-Value (at 20 °C):	13,5

Changes in the physical state

Melting point:	not determined
Initial boiling point and boiling range:	82 °C
Sublimation point:	not determined
Softening point:	not determined
Pour point:	not determined
Flash point:	45 °C

Flammability

Solid:	not determined
Gas:	not determined

Explosive properties

Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

Lower explosion limits:	2 vol. %
Upper explosion limits:	12 vol. %
Ignition temperature:	not determined

Auto-ignition temperature

Solid:	not applicable
Gas:	not determined

Decomposition temperature:	not determined
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Oxidizing properties

Not oxidizing.

Vapour pressure: (at 20 °C)	43 hPa
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Density (at 20 °C):	1,0 g/cm ³
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Water solubility:	completely miscible
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Solubility in other solvents

No information available.

Partition coefficient:	Not determined.
Viscosity / dynamic:	Not determined.
Viscosity / kinematic:	Not determined.
Vapour density:	Not determined.
Evaporation rate:	Not determined.

9.2. Other information

No information available.

SECTION 10: Stability and reactivity



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10.1. Reactivity

The product is stable under storage at normal ambient temperatures.

10.2. Chemical stability

No dangerous reactions by handling and stock-keeping according to the guidelines.

10.3. Possibility of hazardous reactions

No known hazardous reactions.

10.4. Conditions to avoid

No further Information available.

10.5. Incompatible materials

No further Information available.

10.6. Hazardous decomposition products

No known hazardous decomposition products.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

SECTION 12: Ecological information

12.1. Toxicity

CAS No	Chemical name	Method	Dose	[h] [d]	Species	Source
1310-73-2	sodium hydroxide					
	Acute fish toxicity	LC50	45,4 mg/l	96 h	Onchorhynchus mykiss	

12.2. Persistence and degradability

No further Information available.

12.3. Bioaccumulative potential

No further Information available.

12.4. Mobility in soil

No further Information available.

12.5. Results of PBT and vPvB assessment

PBT: not applicable. vPvB: not applicable

12.6. Other adverse effects

No further Information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Advice on disposal

Dispose of waste according to applicable legislation.

Waste disposal number of waste from residues/unused products

070699 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics; wastes not otherwise specified

Waste disposal number of used product

070699 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics; wastes not otherwise specified

Contaminated packaging

Dispose of waste according to applicable legislation.



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SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number:	UN 2924
14.2. UN proper shipping name:	FLAMMABLE LIQUID, CORROSIVE, N.O.S. (propan-2-ol, sodium hydroxide)
14.3. Transport hazard class(es):	3
14.4. Packing group:	III
Hazard label:	3+8
Classification code:	FC
Special Provisions:	274
Limited quantity:	5 L
Transport category:	3
Hazard No:	38
Tunnel restriction code:	D/E

Other applicable information (land transport)

E1
E2

Inland waterways transport (ADN)

14.1. UN number:	UN 2924
14.2. UN proper shipping name:	FLAMMABLE LIQUID, CORROSIVE, N.O.S. (propan-2-ol, sodium hydroxide)
14.3. Transport hazard class(es):	3
14.4. Packing group:	III
Hazard label:	3+8
Classification code:	FC
Special Provisions:	274
Limited quantity:	5 L

Other applicable information (inland waterways transport)

E2
E1

Marine transport (IMDG)

14.1. UN number:	UN 2924
14.2. UN proper shipping name:	FLAMMABLE LIQUID, CORROSIVE, N.O.S. (propan-2-ol, sodium hydroxide)
14.3. Transport hazard class(es):	3
14.4. Packing group:	III
Hazard label:	3+8
Special Provisions:	223, 274
Limited quantity:	5 L
EmS:	F-E, S-C

Other applicable information (marine transport)

E1
E2

Air transport (ICAO)

14.1. UN number:	UN 2924
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14.2. UN proper shipping name:	FLAMMABLE LIQUID, CORROSIVE, N.O.S. (propan-2-ol, sodium hydroxide)
14.3. Transport hazard class(es):	3
14.4. Packing group:	III
Hazard label:	3+8
Special Provisions:	A3
Limited quantity Passenger:	1 L
IATA-packing instructions - Passenger:	354
IATA-max. quantity - Passenger:	5 L
IATA-packing instructions - Cargo:	365
IATA-max. quantity - Cargo:	60 L

Other applicable information (air transport)

E1
Passenger-LQ: Y344
E2
Passenger-LQ: Y340
Passenger-LQ: Y342

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

14.6. Special precautions for user

No information available.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

No information available.

SECTION 15: Regulatory information

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

National regulatory information

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

Abbreviations and acronyms

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
ICAO: International Civil Aviation Organization
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent



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Relevant R-phrases (Number and full text)

- 11 Highly flammable.
- 35 Causes severe burns.
- 36 Irritating to eyes.
- 67 Vapours may cause drowsiness and dizziness.

Relevant H- and EUH-phrases (Number and full text)

- H225 Highly flammable liquid and vapour.
- H226 Flammable liquid and vapour.
- H314 Causes severe skin burns and eye damage.
- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H336 May cause drowsiness or dizziness.

Further Information

The information of this SDS is based on the present state of our knowledge and on current EU and national laws. The product is not to be used for other purposes than those specified under section 1 without first obtaining written handling instruction. It is always the responsibility of the user to take all necessary steps in order to fulfill the demand laid down in the local rules and legislation. The information in this SDS is meant as a description of the safety requirements of our product. It is not to be considered as a guarantee of the product's properties.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)