



Safety Data Sheet according to regulation (EC) 1907/2006 (REACH) and regulation (EC) 2015/830

Trade name: Bacoban®

Date of Issue: 06.08.2019

Replace Data Sheet of: 13.04.2018

SECTION 1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifiers

Trade name:	Bacoban
Article-No. (manufacturer/supplier):	X-BAC500, X-BAC5000
Preparation No:	n.a.
Registration no:	n.a.
UFI-Code(*):	n.a.

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

Identified used: Surface disinfectant with long lasting effect

1.3. Details of the supplier of the safety data sheet

Supplier (manufacturer/importer/downstream user/distributor)

Ropimex R. Opel GmbH (Geschäftsbereich Hygiene-Systeme Adexano)	
Bildstocker Straße 12	Telephone: +49 - (0)6821 / 91277 60
D – 66538 Neunkirchen	Telefax: +49 - (0)6821 / 91277 49
E-Mail info@ropimex.com	

Dept. responsible for information:

E-Mail (competent person)	info@ropimex.com
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1.4. Emergency telephone number

Emergency Telephone of Company / Undertaking	+49 - (0)6825 / 9591 - 0 (08:00 am- 4:00 pm)
Counselling centre for poisoning	+49 761 19240 (Deutschland)
	+43 406 43 43 (Österreich)
	+ 32 70 245 245 (Belgien)

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

This mixture is classified as hazardous according to regulation (EC) No. 1272/2008 [CLP].

Flam. Liq. 2; H225 / Eye Irrit. 2; H319 / Aquatic Acute 1 / H400

2.2. Label elements

Has to be classified and labelled according to EC directives or corresponding national laws.

Yes

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms:



Danger



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Hazard statements

H225 Highly flammable liquid and vapour
H319 Causes serious eye irritation.
H400 Very toxic to aquatic life.

Precautionary statements

P102: Keep out of reach of children.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.
No smoking.
P233 Keep container tightly closed.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists: Get medical advice/attention.
P273 Avoid release to the environment.
P501 Dispose of contents/container to domestic waste

contains:

-

Supplemental Hazard information (EU)

n.a.

Additional Markings: tactile warning of danger.

2.3. Other hazards

This mixture do not include substances according PBT or vPvB.

SECTION 3. Composition / information on ingredients

3.2. Mixtures

Hazardous ingredients:

aqueous solution of biocides, with alcohols

Classification according to Regulation (EC) No. 1272/2008 [CLP]

EG-Nr.	REACH-No.	Wt% /
CAS-Nr.	Chemical name	Remark
INDEX-Nr.	classification	
200-578-6	01-2119457610-43-0000	48,88
64-17-5	Ethanol	
603-002-00-5	Flam. Liq. 2 H225	
200-661-7	02-2119752543-38-xxxx	7,05
67-63-0	Propan-2-ol	
603-117-00-0	Flam. Liq. 2 H225 / Eye Irrit. 2 H319 / STOT SE 3 H336	



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203-872-2	01-2119457857-21-xxxx	1 – 5
111-46-6	2,2'-Oxydiethanol	
603-140-00-6	Acute Tox. 4 (*) H302	
270-325-2	01-2119983287-23-xxxx	0,71
68424-85-1	Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl-, chloride Acute Tox. 4 H302 / Acute Tox. 4 H312 / Skin Corr. 1B H314 / Aquatic Acute 1 H400; M=10	
223-296-5	01-2119493385-28-xxxx	< 0,5
3811-73-2	Pyridine-2-thiol-1-oxide, sodium salt Acute Tox. 4 H302 / Acute Tox. 4 H312 / Acute Tox. 4 H332 / Skin Irrit. 2 H315 / STOT RE 2; H373 / Aquatic Acute 1 H400	

Additional information

Full text of classification: see section 16 (H-phrases)

SECTION 4. First aid measures

4.1. Description of first aid measures

General information

In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness give nothing by mouth, place in recovery position and seek medical advice

In case of inhalation

Remove casualty to fresh air and keep warm and at rest. In case of irregular breathing or respiratory arrest provide artificial respiration.

Following skin contact

Remove contaminated, saturated clothing immediately. After contact with skin, wash immediately with plenty of water and soap. Do not use solvents or thinners.

After eye contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical advice immediately.

After ingestion

If swallowed, rinse mouth with water (only if the person is conscious). Seek medical advice immediately. Keep victim calm. Do NOT induce vomiting.

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

In all cases of doubt, or when symptoms persist, seek medical advice.

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

SECTION 5. Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media



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Alcohol resistant foam, carbon dioxide, Powder, spray mist, (water)

Extinguishing media which must not be used for safety reasons:

Strong water jet

5.2. Special hazards arising from the substance or mixture

Provide a conveniently located respiratory protective device.

5.3. Advice for firefighters:

Provide a conveniently located respiratory protective device..

Additional information

Cool closed containers that are near the source of the fire. Do not allow water used to extinguish fire to enter drains, ground or waterways. Treat runoff as hazardous.

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

See section 8.2.2.

6.2. Environmental precautions

Do not contaminate water. 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. Sweep up and shovel into suitable containers for disposal.

6.4. Reference to other sections

None

SECTION 7. Handling and storage

7. Precautions for safe handling

7.1. Advices on safe handling

Avoid contact with skin and eyes. When using, do not eat, drink or smoke. Wash hands before breaks and at the end of workday. Take off all contaminated clothing immediately.

7.2. Precautions against fire and explosion:

Normal measures for preventive fire protection.

7.2. Conditions for safe storage, including any incompatibilities

7.2.1 Requirements for storage rooms and vessels

Keep container tightly closed in a dry and well-ventilated place.

7.2.2 Hints on joint storage

Avoid temperature < 0°C.

7.2.3 Further information on storage conditions

Take care of instructions on label. Store in a well-ventilated and dry room at temperatures between 15 °C and 30 °C. Protect from heat and direct sunlight.

Due to the content of organic solvents in the preparation:

Protect from heat and direct sunlight. Keep container tightly closed. Remove all sources of ignition. Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks..

7.3. Specific end use(s)

n.v.



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SECTION 8. Exposure controls / personal protection

8.1. Control parameters

Occupational exposure limit values:

Ethanol	AGW: 500 ppm / 960 mg/m ³
2-Propanol:	AGW: 200 ppm / 500 mg/m ³
2,2'-Oxydiethanol	AGW: 10 ppm / 44 mg/m ³
Pyridin-2-thiol-2-oxid, Sodium salt:	AGW: 1 mg / m ³

Additional information:

TWA: long-term occupational exposure limit value
STEL: short-term occupational exposure limit value
Ceiling : peak limitation

8.2 Exposure controls

8.2.1 Appropriate engineering controls

Ensure adequate ventilation.

8.2.2 Individual protection measures

8.2.2a Respiratory Protection: Not required under normal use

8.2.2b Hand Protection: For prolonged or repeated handling the following glove material must be used:
nitrile rubber or butyl rubber with at least 0.7 mm thickness

Thickness of the glove material $\geq 0,7$ mm, Breakthrough time (maximum wearing time) > 480 min.

Observe the instructions and details for use, storage, maintenance and replacement provided by the protective glove manufacturer. Penetration time of glove material depending on intensity and duration of exposure to skin. Recommended glove articles DIN EN 374

Barrier creams can help protecting exposed skin areas. In no case should they be used after contact.

8.2.2c Eye Protection: In case of contact through splashing: safety glasses

8.2.2d Skin Protection: Wear protective clothes

8.2.2e Further Information: Observe wearing time limits:

8.2.3 Environmental exposure controls:

n.av.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	liquid
Colour:	colourless
Odour:	alcohol
Odour threshold:	n.d.

Safety relevant basis data



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9.1.2 pH-value, undiluted:	6
pH-value, 1% aqueous solution:	n.av.
9.1.3 Boiling point / Boiling - range (°C):	75, Melting point / Melting range (°C): n.av.
9.1.4 Flash point (°C):	20., closed cup
9.1.5 Flammability (EEC A10/A13):	no
9.1.6 Ignition temperature (°C):	335
9.1.7 Autoflammability (EEC A16):	n.a.
9.1.8 Oxidising properties:	No.
9.1.9 Explosion hazard:	no
9.1.10 Explosion limits (Vol.%) lower:	n.ap., upper: n.ap.
9.1.11 Vapour pressure:	32,71 mbar (20°C)
Vapour density (Air = 1):	n.av.
9.1.12 Density (g/ml):	0,899
9.1.13 Solubility (in Water):	completely miscible
9.1.14 Partition coefficient, n-Octanol / Water:	n.ap.
9.1.15 Viscosity:	3,37 mPa*s (20°C)
9.1.16 Solvent content (m %):	50 - 60
9.1.17 Thermal decomposition (°C):	n.av.
9.1.18 Evaporation rate:	n.av.
n.ap.: non-applicable	
n.av.: not available	

9.2. Other information

SECTION 10. Stability and reactivity

10.1 Reactivity

None.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use.

10.4 Conditions to avoid

No conditions to be specially mentioned.

10.5 Incompatible materials

Incompatible with oxidizing agents.

10.6 Hazardous decomposition products

No decomposition if stored and applied as directed.

To avoid thermal decomposition, do not overheat.



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SECTION 11. Toxicological Information

Classification for mixtures and used evaluation method according to regulation (EC) 1207/2008 [CLP]

No data on preparation itself available.

11.1. Information on toxicological effects

Acute toxicity

Inhalation	n. a.
Ingestion	n. a.
Skin contact	n. a.
Irritation / corrosion (to skin/eye)	May cause skin irritation in susceptible persons
Sensitation	Causes serious eye irritation.
Carcinogenicity	n. a.
Mutagenicity	n. a.
Teratogenicity	n. a.
Specific target organ toxicity	n.a.
Specific target organ toxicity, repeated exposure	n.a.
Narcotic effect	none

11.1.1 –

11.1.11

Practical Experience

n.av.

11.1.12 Practical Experience

Observations relevant for classification: None.

Further Observations: None.

According to present data no classification and labelling is required according to Regulation (EC) 1272/2008.

SECTION 12. Ecological information

12.1. Toxicity

very toxic to aquatic organisms

Benzalkonium chloride:

EC50/48h/Daphnia = 0,0059 mg/l

LC50/96h/Oncorhynchus mykiss = 0,923 mg/l

EC50/72h/Algae = 0,8 mg/l

12.2. Persistence and degradability

No data available for the product

12.3. Bioaccumulative potential

n. a.

Bioconcentration factor (BCF): n.a.

12.4. Mobility in soil

n. a.

12.5. Results of PBT and vPvB assessment.



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The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Other adverse effects

12.6.1	COD-Value [mg/g]	n. a.
12.6.2	BSB5-Value [mg/g]	n. a.
12.6.3	AOX-Remarks	The product include organic halogen compounds
12.6.4	Ecological significant components	-
12.6.5	Other adverse effects	Not applicable

SECTION 13. Disposal considerations

13.1 Waste treatment methods

13.1.1 Recommendation: D10

Waste - Code - No.: 07 06 04 (*)







The Waste code should be assigned in discussion between the user, the producer and the waste disposal company. In addition comply with the regional authorities.

13.2 Contaminated Packaging

13.2.1 Recommendation: Wash with suitable cleaner. Otherwise as described under Residues.

13.2.2 Safe Handling: As described under Residues.

SECTION 14. Transport information

	ADR	IMDG	IATA
14.1	UN number		
	1987	1987	1987
14.2	UN proper shipping name		
	UN 1987 Alcohols, n.o.s. (contains: Ethanol, Propan-2-ol) Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides)	Alcohols, n.o.s. (contains: Ethanol, Propan-2-ol) & marine pollutant (Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides)	Alcohols, n.o.s. (contains: Ethanol, Propan-2-ol)
14.3	Transport hazard class(es)		
	8  	8  	8  
14.4	Packing group		
	II	II	II
14.5	Environmental hazards		
		YES	
14.6	Special precautions for user		
	Tunnel restriction code: Transport category: F1 Classification Code: C9	F-E, S-D	Packing Instructions (passenger): 353 Packing Instructions (cargo): 364



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	Hazard-No.: - LQ: 1 L		
17.7	Transport in Bulk according to Annex II of MARPOL73/78 and the IBC Code		
		None	

SECTION 15. Regulatory information

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

EU legislation

National legislation

Restrictions of occupation

Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers. Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).

WGK 2

Other regulations:

Biocide directive; has to be declared as biocide product

15.2. Chemical safety assessment

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

SECTION 16. Other information

Full text of classification in section 3:

H225	Highly flammable liquid and vapour
H302	Harmful if swallowed
H312	Harmful in contact with skin
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H319	Causes serious eye irritation.
H332	Harmful if inhale
H336	May cause drowsiness or dizziness.
H373	May cause damage to organs <or state all organs affected, if known> through prolonged or repeated exposure <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>
H400	Very toxic to aquatic life
EUH070	Toxic by eye contact

Revised version:

See (*) symbol

Abbreviations and acronyms:



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n. a. not available
NB not determined

Additional information

Classification for mixtures and used evaluation method according to regulation (EC) 1207/2008 [CLP]. The information supplied on this safety data sheet complies with our current level of knowledge as well as with national and EU regulations. Without written approval, the product must not be used for purposes different from those mentioned in Chapter 1. It is always the user's duty to take any necessary measures for meeting the requirements laid down by local rules and regulations. The details in this safety data sheet describe the safety requirements of our product and are not to be regarded as guaranteed attributes of the product.