

Safety Data Sheet

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

Trade name: Bacoban® DL

Date of Issue: 06.08.2019

Replace Data Sheet of: 13.04.2018

“**” alterations as compared to previous version

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

1.1. Product identifiers

Trade name: Bacoban DL
Article-No. (manufacturer/supplier): 1067, 10671
Preparation No: n.a.
Registration no: N-86022
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

1.3. Details of the supplier of the safety data sheet

Supplier (manufacturer/importer/downstream user/distributor)

Eschenbach Optik GmbH Telephone: +49 911 3600-0
Fuerther Strasse 252
90429 Nuremberg
Germany

Dept. responsible for information:

E-Mail (competent person) info@ccm-international.eu

1.4. Emergency telephone number

Emergency Telephone of Company / Undertaking +49 - (0) 2206 938590-0 (08:00 am- 4:00 pm)
Counselling centre for poisoning +49 (0) 6131 19240 (Poison Control Center DE-Mainz)

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

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

This mixture is not classified as hazardous according to regulation (EC) No. 1272/2008 [CLP].

2.2. Label elements

The product is not classified and labelled according to EC directives or corresponding national laws.

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

Hazard pictograms: none Signal word: none

Hazard statements

-

Precautionary statements

P102 Keep out of reach of children.

contains:

n.a.

Supplemental Hazard information (EU)

n.a.

Supplemental Hazard information

n.a.

2.3. Other hazards

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SECTION 3. Composition / information on ingredients

3.2. Mixtures

Description: aqueous solution with biocides

Hazardous ingredients:

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

EG-No	REACH-No.	wt% /
CAS-No	Chemical name	Remark
INDEX-No	classification	
270-325-2	01-2119983287-23-xxxx	0,26
68424-85-1	Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl-, chlorides Acute Tox. 4 H302 / Acute Tox. 4 H312 / Skin Corr. 1B H314 / Aquatic Acute 1 H400 (M=10)	
223-296-5	01-2119493385-28-0000	0,025
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 / Aquatic Acute 1 H400	

Additional information

Full text of classification: see section 16

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

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SECTION 5. Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

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

Keep away from sources of ignition. Ventilate affected area. Do not breathe vapours. See protective measures under point 7 and 8.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. If the product contaminates lakes, rivers or sewages, inform competent authorities in accordance with local regulations.

6.3. Methods and material for containment and cleaning up

Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculite, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with the local regulations (see chapter 13). Clean using cleansing agents. Do not use solvents.

6.4. Reference to other sections

Observe protective provisions (see chapter 7 and 8).

SECTION 7. Handling and storage

7.1. Precautions for safe handling

Advices on safe handling

Avoid formation of flammable and explosive vapour concentrations in the air and exceeding the exposure limit values. Only use the material in places where open light, fire and other flammable sources can be kept away. Electrical equipment must be protected meeting the accepted standard. Keep away from heat sources, sparks and open flames. Use only spark proof tools. Avoid contact with skin, eyes and clothes. Do not inhale dusts, particulates and spray mist when using this preparation. Avoid respiration of swarf. When using do not eat, drink or smoke. Personal protection equipment: refer to chapter 8. Do not empty containers with pressure - no pressure vessel! Always keep in containers that correspond to the material of the original container. Follow the legal protection and safety regulations.

Precautions against fire and explosion:

Vapours are heavier than air. Vapours form explosive mixtures with air.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Storage in accordance with the Ordinance on Industrial Safety and Health (BetrSiVO). Keep container tightly closed. Do not empty containers with pressure - no pressure vessel! Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks. Soils have to conform to the "Guidelines for avoidance of ignition hazards due to electrostatic charges (BGR 132)".

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Hints on joint storage

Keep away from strongly acidic and alkaline materials as well as oxidizers.

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)

Observe technical data sheet. Observe instructions for use. Read label before use.

SECTION 8. Exposure controls / personal protection

8.1. Control parameters

Occupational exposure limit values:

n.a.

Additional information:

n.a.

8.2. Exposure controls

Provide good ventilation. This can be achieved with local or room suction. If this should not be sufficient to keep aerosol and solvent vapour concentration below the exposure limit values, a suitable respiratory protection must be used.

Occupational exposure controls

Respiratory protection

If concentration of solvents is beyond the occupational exposure limit values, approved and suitable respiratory protection must be used. Observe the wear time limits according GefStoffV in combination with the rules for using respiratory protection apparatus (BGR 190). Use only respiratory protection equipment with CE-symbol including four digit test number.

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.

Eye protection

Wear closely fitting protective glasses in case of splashes.

Protective clothing

Wear antistatic clothing of natural fibres (cotton) or heat resistant synthetic fibres.

Protective measures

After contact clean skin thoroughly with water and soap or use appropriate cleanser.

Environmental exposure controls

Do not allow to enter into surface water or drains. See chapter 7. No additional measures necessary.

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SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: liquid, **Colour:** colourless, **Odour:** perfume, **Odour threshold:** n.d.

9.1.2 pH-value, undiluted:	7
pH-value, 1% aqueous solution:	n.d.
9.1.3 Boiling point / Boiling - range (°C):	100, Melting point / Melting range (°C): 0
9.1.4 Flash point (°C):	n.ap., closed cup
9.1.5 Flammability (EEC A10/A13):	no
9.1.6 Ignition temperature (°C):	n.ap.
9.1.7 Autoflammability (EEC A16):	n.ap.
9.1.8 Oxidising properties:	None.
9.1.9 Explosion hazard:	No.
9.1.10 Explosion limits (Vol.%) lower:	n.ap., upper: n.ap.
9.1.11 Vapour pressure:	n.ap.
Vapour density (Air = 1):	n.av.
9.1.12 Density (g/ml):	1
9.1.13 Solubility (in Water):	mixible
9.1.14 Partition coefficient, n-Octanol / Water:	n.av.
9.1.15 Viscosity:	1,5 – 2,5 mPa*s (20°C)
9.1.16 Solvent content (m %):	<1
9.1.17 Thermal decomposition (°C):	n.av.
9.1.18 Evaporation rate:	n.av.

9.2 Other information

n.av.

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

Protect from frost and heat.

10.5 Incompatible materials

Incompatible with strong oxidizing agents.

10.6 Hazardous decomposition products

No decomposition by typical storage and use. Do not heat to prevent thermal decomposition.

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	ATEmix: >10000 mg/kg
Skin contact	n. a.
Irritation / corrosion (to skin/eye)	May cause skin irritation in susceptible persons
Sensitisation	May cause eye irritation in susceptible persons.

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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

Practical experience/human evidence

Other observations:

Inhaling of solvent components above the MWC-value can lead to health damage, e.g. irritation of the mucous membrane and respiratory organs, as well as damage to the liver, kidneys and the central nerve system.

Indications for this are: headache, dizziness, fatigue, amyosthenia, drowsiness, in serious cases: unconsciousness. Solvents may cause some of the aforementioned effects through skin resorption. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and/or absorption through skin. Splashing may cause eye irritation and reversible damage.

Overall Assessment on CMR properties

The ingredients in this mixture do not meet the criteria for classification as CMR category 1A or 1B according to CLP.

Remark:

There is no information available on the preparation itself.

SECTION 12. Ecological information

Overall evaluation

Classification for mixtures and used evaluation method according to regulation (EC) 1207/2008 [CLP] There is no information available on the preparation itself.

12.1. Toxicity

Quaternary ammonium compound:

EC₅₀/48h/Daphnia = 0,0059 – 0,052 mg/l

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

EC₅₀/72h/Alge = 0,8 mg/l

12.2. Persistence and degradability

No data available for the product itself.

12.3. Bioaccumulative potential

n.v.

Bioconcentration factor (BCF)

Toxicological data are not available.

12.4. Mobility in soil

Toxicological data are not available.

12.5. Results of PBT and vPvB assessment.

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

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SECTION 13. Disposal considerations

13.1. Waste treatment methods

Appropriate disposal / Product

Recommendation

Do not allow to enter into surface water or drains. This material and its container must be disposed of in a safe way. Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.

D10

List of proposed waste codes/waste designations in accordance with EWC

07 06 01

Packaging

Recommendation

Non-contaminated packages may be recycled. Vessels not properly emptied are special waste.

13.2 Contaminated Packaging

13.2.1 Recommendation: Wash with suitable cleaner. Otherwise as described under Residues. Uncontrolled disposal or recycling of this packaging is not permitted and can be dangerous.

13.2.2 Safe Handling: As described under Residues.

Handle in accordance with good industrial hygiene and safety practice

SECTION 14. Transport information

No dangerous good in sense of this transport regulation

	ADR	IMDG	IATA
14.1	UN number		
	no DGR	no DGR	no DGR
14.2	UN proper shipping name		
	-	-	-
14.3	Transport hazard class(es)		
	-	-	-
14.4	Packing group		
14.5	Environmental hazards		
14.6	Special precautions for user		
	Tunnel restriction code: Transport category: - Classification Code: - Hazard-No.: - LQ: -	-	Packing Instructions (passenger): - Packing Instructions (cargo): -
14.7	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

n.a.

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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:

EUH70 Toxic by eye contact

H302 Harmful if swallowed

H312 Harmful in contact with skin

H314 Causes severe skin burns and eye damage

H315 Causes skin irritation

H332 Harmful if inhaled

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

Abbreviations and acronyms:

n.av. not available

n.ap. not applicable

n.d. not determined

Additional information

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

The statements in this Material Safety Data Sheet were made to the best of our knowledge and are as accurate as possible. They are given for information only. They do not constitute a contractual guarantee of a product's properties. They must neither be altered nor transferred to other products.