

Date of issue: 10.06.2016 Replaces Data Sheet of: ---
"***" alterations as compared to previous version; n.ap. = not applicable; n.av. = not available

**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

- 1.1 **Product identifier**
Trade Name: Watershield™
Article No.: 15-3015, 15-3020, 15-3050
Preparation No.: n.av.
Registration No.: n.ap.
- 1.2 **Relevant identified uses of the substance or mixture and uses advised against**
Identified uses: disinfectants to prevent unwanted growth in water baths
- 1.3 **Details of the supplier of the safety data sheet**
- 1.3.1 **Address of the Company / Supplier:**
Minerva Biolabs GmbH, Köpenicker Straße 325, D- 12555 Berlin
Telephone: +49 30 - 2000 437-0, Telefax: +49 30-2000 437-9, E-Mail: info@minerva-biolabs.com
- 1.3.2 **Responsible for the data sheet:**
CoSiChem AG, Ernst-Lemmer-Straße 23, D - 35041 Marburg, info@cosichem.de
- 1.4 **Emergency telephone number**
Emergency - Telephone of Company / Undertaking Information Centre Specialising in Symptoms of
Poisoning
Telephone: +49 30-2000 437-0 (08:30 – 16:30) Notfallauskunft Telephone: +44 870 600 6266
Deutschland
Giftnotruf München Toxikol. Abteilung, Klinikum rechts der Isar
Telefon: +49 89 19240; Telefax: +49 89 4140-2467

SECTION 2: Hazards identification

- 2.1 **Classification of the substance or mixture**
None.
- 2.2 **Label elements**
Classification according to 1272/2008/EC: No.
Applicable Exemptions:
Signal word(s): n.ap. Hazard pictogram(s):
Component(s):
- H - Phrases:**
- P - Phrases:**
P301+P312: IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
- Additional Markings:
Although this product does not require a hazard warning label,
we recommend that the safety advice should be observed.
- The above mentioned labelling is valid for distribution to industrial user.
- 2.3 **Other hazards**
This mixture contains no substances which are assessed to be PBT or vPvB.

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SECTION 3: Composition/information on ingredients**3.1 Substances**

n.ap.

3.2 Mixtures**Chemical Characterisation:**

Aqueous solution of biocides

Ingredients:

Material			H - phrases	m% - range
CAS - No.	EC - No.	REACH - No.		
N-(3-Aminopropyl)-N-dodecylpropan-1,3-diamin (N,N-bis(3-aminopropyl)-Dodecylamine)			Acute Tox. 4; H302 / Skin Corr. 1A; H314 / Aquatic Acute 1; H400	< 0,1%
2372-82-9	219-145-8	n.av.		
alpha-[2-(Didecylmethylammonio)ethyl]-omega-hydroxy- poly(oxy-1,2-ethanediyl)-propionat			Acute Tox. 4; H302 / Skin Corr. 1B; H314 / Aquatic Acute 1; H400 / Aquatic Chronic 1; H410	< 0,1%
94667-33-1	619-057-3	n.av.		

Text of H - phrases: see section 16

SECTION 4: First aid measures**4.1 Description of first aid measures****4.1.1 Inhalation:**

Move to fresh air in case of accidental inhalation of fumes from overheating or combustion.

Consult a physician if necessary.

4.1.2 Skin Contact:

In case of skin contact Wash off immediately with plenty of water.

4.1.3 Eye Contact:

Rinse immediately with plenty of water, also under the eyelids. If eye irritation persists, consult a specialist.

4.1.4 Ingestion:

Clean mouth with water and afterwards drink plenty of water.

4.2 Most important symptoms and effects, both acute and delayed

None known.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1 Extinguishing media****5.1.1 Suitable Extinguishing Media:**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

5.1.2 Extinguishing Media to Avoid:

None.

5.2 Special hazards arising from the substance or mixture

In the event of fire the following can be released: Carbon oxides

5.3 Advice for firefighters**5.3.1 Special Protective Equipment:**

Wear positive pressure self-contained breathing apparatus. Wear full protective clothing.

5.3.2 Additional Information:

The product itself does not burn. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

See chapter 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 (e.g. sand, silica gel, acid binder, universal binder, sawdust).

Sweep up and shovel into suitable containers for disposal.

6.4 Reference to other sections

None.

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SECTION 7: Handling and storage

7.1 Precautions for safe handling

7.1.1 Precautions for Safe Handling:

When using, do not eat, drink or smoke. Remove and wash contaminated clothing before re-use. Wash hands before breaks and at the end of workday. Avoid contact with skin and eyes.

7.1.2 Precautions in Case of Fire and Explosion:

Normal measures for preventive fire protection.

7.2 Conditions for safe storage, including any incompatibilities

7.2.1 Storage Instructions:

No special precautions required.

7.2.2 Store away from:

Incompatible with oxidizing agents.

7.2.3 Further Information on Storage Conditions:

None.

7.3 Specific end use(s)

n.av.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Material

Limit Value

8.2 Exposure controls

8.2.1 Appropriate engineering controls

Not required

8.2.2 Individual protection measures

8.2.2a **Respiratory Protection:** not required under normal use

8.2.2b **Hand Protection:** not required under normal use.

In case of prolonged skin contact use protective gloves.

Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.

8.2.2c **Eye Protection:** safety glasses

8.2.2d **Skin Protection:** Not relevant

8.2.2e **Further Information:** Observe wearing time limits:

8.2.3 Environmental exposure controls:

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SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties**

9.1.1	Form: liquid	Colour: blue	Odour: odourless
			Odour threshold: n.av.
9.1.2	pH-value, undiluted:	n.av.	
	pH-value, 1% aqueous solution:	n.av.	
9.1.3	Boiling point / Boiling - range (°C):	> 100	
	Melting point / Melting range (°C):	n.av.	
9.1.4	Flash point (°C):	n.ap., closed cup	
9.1.5	Flammability (EEC A10/A13):	n.av.	
9.1.6	Ignition temperature (°C):	n.av.	
9.1.7	Autoflammability (EEC A16):	n.ap.	
9.1.8	Oxidising properties:	n.ap.	
9.1.9	Explosion hazard:	None.	
9.1.10	Explosion limits (Vol.%) lower:	n.ap., upper: n.ap.	
9.1.11	Vapour pressure:	n.av.	
	Vapour density (Air = 1):	n.av.	
9.1.12	Density (g/ml):	~1	
9.1.13	Solubility (in Water):	soluble	
9.1.14	Partition coefficient, n-Octanol / Water:	n.av.	
9.1.15	Viscosity:	n.av.	
9.1.16	Solvent content (m %):	n.ap.	
9.1.17	Thermal decomposition (°C):	n.av.	
9.1.18	Evaporation rate:	n.av.	
9.2	Other information		
	n.av.		

SECTION 10: Stability and reactivity

10.1	Reactivity
	None.
10.2	Chemical stability
	Stable under recommended storage conditions.
10.3	Possibility of hazardous reactions
	No dangerous reaction known under conditions of normal use.
10.4	Conditions to avoid
	Handle in accordance with good industrial hygiene and safety practice.
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**11.1 Information on toxicological effects**

Acute Health Effects:

Inhalation: n.av.

Ingestion: n.av.

Skin Contact: n.av.

Skin corrosion / irritation: n.av.

Serious eye damage / irritation: May cause eye irritation with susceptible persons.

Respiratory or skin sensitisation: n.av.

Germ cell mutagenicity: n.av.

Carcinogenicity: n.av.

Reproductive toxicity: n.av.

STOT-single exposure: n.av.

STOT-repeated exposure: n.av.

Aspiration hazard: n.av.

11.1.1 – Practical Experience

11.1.11 n.av.

11.1.12 Practical Experience

Observations relevant for classification:

None.

Further Observations:

None.

Classification of the preparation has been done by calculation in accordance with EEC directives.

SECTION 12: Ecological information**12.1 Toxicity**

We have no quantitative data concerning the ecological effects of this product.

Bardap 26: LC₅₀ (Cyprinus carpio, 96 h): 0,62 mg/L; EC₅₀ (Daphnia magna, 48 h): 0,07 mg/L**12.2 Persistence and degradability**

No data is available on the product itself.

12.3 Bioaccumulative potential

n.av.

12.4 Mobility in soil

n.av.

12.5 Results of PBT and vPvB assessment

This mixture contains no substances which are assessed to be PBT or vPvB.

12.6 Other adverse effects

12.6.1 COD-Value, mg/g: n.av.

12.6.2 BOD5-Value, mg/g: n.av.

12.6.3 AOX-Remarks: Not applicable.

12.6.4 Significant Components: None.

12.6.5 Other adverse effects: Not applicable.

SECTION 13: Disposal considerations**13.1 Waste treatment methods**

13.1.1 Recommendation: D 10 / R 2

Waste - Code - No.:

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 Packaging13.2.1 Recommendation: Wash with suitable cleaner. Otherwise as described under Residues.
Handle in accordance with good industrial hygiene and safety practice.13.2.2 Safe Handling: As described under Residues.
Handle in accordance with good industrial hygiene and safety practice.

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SECTION 14: Transport information

	ADR Not classified as dangerous in the meaning of transport regulations.	IMDG Not classified as dangerous in the meaning of transport regulations.	IATA Not classified as dangerous in the meaning of transport regulations.
14.1	UN number		
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 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**
n.av.
- 15.2 **Chemical safety assessment :**
None.

SECTION 16: Other information**Text of H phrases mentioned in Section 3**

H302: Harmful if swallowed.

H314: Causes severe skin burns and eye damage.

H400: Very toxic to aquatic life.

H410: Very toxic to aquatic life with long lasting effects.

This datasheet has been compiled in accordance with EU regulation 2015/830.

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.

Prepared by: CoSiChem AG, Ernst-Lemmer-Straße 23, D - 35041 Marburg, info@cosichem.de, +49-6421-886563

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