

## JULABO Labortechnik GmbH

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## 1 Identification of the substance / preparation and of the company

**Product:** Aqua-stabil  
**Registration number:** not applicable  
**Use:** Water disinfectant  
**Identified use:** Biocide  
**Method of operation:** See product information.  
**Company:** JULABO Labortechnik GmbH  
 Eisenbahnstrasse 45  
 77960 Seelbach / Germany  
**Phone:** +49 (0)7823 510  
**Fax:** +49 (0)7823 2491  
**Homepage:** www.julabo.de  
**E-mail:** info@julabo.de  
**Emergency phone:** +49 (0) 89-19240 (24h)  
**Responsible:** Simonavicius@chemiebuero.de

## 2 Hazards identification

**Physico-chemical hazards:** No particular hazards known.  
**Human health dangers:** May produce an allergic reaction.  
**Environmental hazards:** See R-phrases.  
**Other hazards:** none  
**Hazard symbols:**  
 not applicable  
**R-phrases:**  
 May produce an allergic reaction.  
 R 52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

## 3 Composition / Information on ingredients

Polymeric biguanide hydrochloride	0,1 - < 0,25%
Xn-N, R22-38-41-43-50/53 CAS: 27083-27-8, EINECS/ELINCS: Polymer, EU-INDEX: , ECBnr:	
Polymeric N,N-Dimethyl-2-hydroxypropylammoniumchloride	0,25 - < 2,5%
N, R50/53 CAS: 25988-97-0, EINECS/ELINCS: Polymer, EU-INDEX: , ECBnr:	

**Comment on component parts:**

For the wording of the listed risk phrases refer to section 16.

## 4 First aid measures

**General information:**

Change soaked clothing.

**Inhalation:**

Ensure supply of fresh air.

In the event of symptoms seek for medical treatment.

**Skin contact:**

In case of contact with skin wash off immediately with soap and water.

Consult a doctor if skin irritation persists.

**Eye contact:**

In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice.

**Ingestion:**

Consult a doctor immediately.

Do not induce vomiting.

Rinse out mouth and give plenty of water to drink.

**Advice to doctor:**

Treat symptomatically.

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**5 Fire-fighting measures****Suitable extinguishing media:**

Product itself is non-combustible. Fire extinguishing method of surrounding areas must be considered.

**Extinguishing media that must not be used:**

Full water jet.

**Special exposure hazards arising from the substance or preparation itself or combustion products:**

Unknown risk of formation of toxic pyrolysis products.

**Special protective equipment for firefighters:**

Use self-contained breathing apparatus.

**Additional information:**

Fire residues and contaminated firefighting water must be disposed of in accordance within the local regulations.

**6 Accidental release measures****Personal precautions:**

High risk of slipping due to leakage/spillage of product.

**Environmental precautions:**

Prevent spread over a wide area (e.g. by containment or oil barriers).

Do not discharge into the drains/surface waters/groundwater.

**Methods for cleaning up:**

Take up with absorbent material (e.g. general-purpose binder).

Dispose of absorbed material in accordance within the regulations.

**7 Handling and storage****Advice on safe handling:**

No special measures necessary if used correctly.

**Advice on protection against fire and explosion:**

No special measures necessary.

**Requirements for storage rooms and vessels:**

Keep only in original container.

**Advice on storage compatibility:**

No special measures necessary.

**Further information on storage conditions:**

Keep container tightly closed.

**8 Exposure controls / personal protection****Additional advice on system design:**

Ensure adequate ventilation on workstation.

**Ingredients with occupational exposure limits to be monitored:**

( not applicable )

**Respiratory protection:**

not applicable

**Hand protection:**

Butyl rubber, >120 min (EN 374).

**Eye protection:**

Safety glasses.

**Skin protection:**

not applicable

**General protective measures:**

Avoid contact with eyes and skin.

**Hygiene measures:**

Do not eat, drink, smoke or take drugs at work.

Wash hands before breaks and after work.

Use barrier skin cream.

**Delimitation and monitoring of the environmental exposition:**

not applicable

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**9 Physical and chemical properties**

<b>Form:</b>	liquid
<b>Color:</b>	bluish
<b>Odor:</b>	characteristic
<b>pH-value [1%]:</b>	not determinated
<b>pH-value:</b>	not determinated
<b>Boiling point [°C]:</b>	not determinated
<b>Flash point [°C]:</b>	not applicable
<b>Flammability [°C]:</b>	not applicable
<b>Lower explosion limit:</b>	not applicable
<b>Upper explosion limit:</b>	not applicable
<b>Oxidizing properties:</b>	no
<b>Vapour pressure [kPa]:</b>	not determinated
<b>Density at [°C]:</b>	
<b>Density [g/ml]:</b>	not determinated
<b>Bulk density [kg/m³]:</b>	not applicable
<b>Solubility in water:</b>	miscible
<b>Partition coefficient [n-octanol/water]:</b>	not determinated
<b>Viscosity:</b>	not applicable
<b>Relative vapour density determined in air:</b>	not applicable
<b>Evaporation speed:</b>	not applicable
<b>Melting point [°C]:</b>	not determinated
<b>Autoignition temperature:</b>	not applicable
<b>Decomposition temperature:</b>	not determinated

**10 Stability and reactivity**
**Hazardous reactions:**

No hazardous reactions known.

**Hazardous decomposition products:**

No hazardous decomposition products known.

**11 Toxicological information**

<b>Acute oral toxicity:</b>	not determinated
<b>Acute dermal toxicity:</b>	not determinated
<b>Acute inhalational toxicity:</b>	not determinated
<b>Irritant effect on eye:</b>	not determinated
<b>Irritant effect on skin:</b>	not determinated
<b>Sensitization:</b>	not determinated
<b>Subacute toxicity:</b>	not determinated
<b>Chronic toxicity:</b>	not determinated
<b>Mutagenicity:</b>	not determinated
<b>Reproduction toxicity:</b>	not determinated
<b>Carcinogenicity:</b>	not determinated
<b>Experiences made in practice:</b>	none
<b>General remarks:</b>	Toxicological data are not available.

No classification on the basis of the calculation procedure of the preparation directive.

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**12 Ecological information**

<b>Fish toxicity:</b>	not determinated
<b>Daphnia toxicity:</b>	not determinated
<b>Behaviour in environment compartments:</b>	not determinated
<b>Behaviour in sewage plant:</b>	not determinated
<b>Bacteria toxicity:</b>	not determinated
<b>Biological degradability:</b>	The surfactants contained in this preparation comply with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.
<b>COD:</b>	not determinated
<b>BOD 5:</b>	not determinated
<b>AOX-advice:</b>	No dangerous components.
<b>2006/11/EC:</b>	yes
<b>General information:</b>	The product was classified on the basis of the calculation procedure of the preparation directive.

**13 Disposal considerations**

<b>Product:</b>	Dispose of as hazardous waste.
<b>Contaminated packaging:</b>	Uncontaminated packaging may be reused.
<b>Waste no. (recommended):</b>	070601*,

**14 Transport information**

<b>Classification according to ADR:</b>	no dangerous goods ,
- <b>Classification Code:</b>	
- <b>Label:</b>	
- <b>ADR Limited Quantities:</b>	
<b>Classification according to IMDG:</b>	not classified as "Dangerous Goods" - -
- <b>EMS:</b>	
- <b>Label:</b>	
- <b>IMDG Limited Quantities:</b>	
<b>Classification according to IATA:</b>	not classified as "Dangerous Goods"
- <b>Label:</b>	

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## 15 Regulatory information

<b>Exposure scenario:</b>	not applicable
<b>Chemical safety report:</b>	not applicable
<b>Labelling:</b>	The product is classified and labelled in accordance within EC-directives.
<b>Hazard symbols:</b>	not applicable
<b>Contains:</b>	Polymeric biguanide hydrochloride
<b>R-phrases:</b>	May produce an allergic reaction. R 52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
<b>S-phrases:</b>	S 35: This material and its container must be disposed of in a safe way.
<b>Special labelling:</b>	none
<b>Biocide (98/8/CE) contains:</b>	0,97% Polymeric N,N-Dimethyl-2-hydroxypropylammoniumchloride 0,146% Polymeric biguanide hydrochloride
<b>Authorisation, TITEL VII:</b>	not applicable
<b>Restrictions, TITEL VIII:</b>	not applicable
<b>EEC-REGULATIONS:</b>	1967/548 (2004/73, 29. ATP); 1991/689 (2001/118); 1999/13; 2004/42; 648/2004; 1907/2006.
<b>TRANSPORT-REGULATIONS:</b>	ADR (2007); IMDG-Code (33. Amdt.); IATA-DGR (2008).
<b>NATIONAL REGULATIONS</b>	EH40/2005 Workplace exposure limits with amendments October 2007.

## 16 Other informations

<b>R-phrases (Chapter 03):</b>	R 41: Risk of serious damage to eyes. R 43: May cause sensitisation by skin contact. R 38: Irritating to skin. R 22: Harmful if swallowed. R 50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
<b>Observe employment restrictions for people:</b>	yes
<b>VOC (1999/13/CE):</b>	0%
<b>Customs Tariff:</b>	not determinated

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

