

## SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH) and Regulation (EU) No. 2015/830

Revision date: 29/5/2019  
Version: 4  
Language: en-GB,IE  
Date of print: 4/3/2020

### Algizid Aquastab

Material number LZB x29

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

### 1.1 Product identifier

Trade name: Algizid Aquastab  
This safety data sheet pertains to the following products:  
LZB 129: 5 L  
LZB 429: 1 L  
LZB 929: 100 ml

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

General use: Biocide concentrate for algae control in water baths  
Industrial use  
Professional uses / Public domain

### 1.3 Details of the supplier of the safety data sheet

Company name: Lauda Dr. Wobser GmbH & Co. KG  
Street/POB-No.: Pfarrstraße 41/43  
Postal Code, city: 97922 Lauda-Königshofen  
WWW: www.lauda.de  
E-mail: info@lauda.de  
Telephone: +49 (0)9343-503-0  
Telefax: +49 (0)9343-503-222  
Department responsible for information:  
Department Quality Management,  
Telephone: +49 9343 503-331, e-mail info@lauda.de

### 1.4 Emergency telephone number

GIZ-Nord, Göttingen, Germany,  
Telephone: +49 551-19240

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

#### Classification according to EC regulation 1272/2008 (CLP)

Aquatic Chronic 3; H412 Harmful to aquatic life with long lasting effects.

### 2.2 Label elements

#### Labelling (CLP)

Hazard statements:	H412	Harmful to aquatic life with long lasting effects.
Precautionary Statements:	P273	Avoid release to the environment.
	P501	Dispose of contents/container to hazardous or special waste collection point.

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#### Special labelling

Text for labelling: Contains N,N-Dimethyl-2-hydroxypropylammoniumchloride polymer.  
Use biocides safely. Always read the label and product information before use.  
Biocide, active substance: 2 g/100 g

#### 2.3 Other hazards

Can cause skin, eye and respiratory tract irritation.

Results of PBT and vPvB assessment:

This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

## SECTION 3: Composition / information on ingredients

3.1 Substances: not applicable

#### 3.2 Mixtures

Chemical characterisation: Algicide, aqueous solution

Hazardous ingredients:

Ingredient	Designation	Content	Classification
EC No. 607-843-9 CAS 25988-97-0	N,N-Dimethyl-2-hydroxypropylammoniumchloride polymer	< 2.5 %	Acute Tox. 4; H302. Aquatic Acute 1; H400. Aquatic Chronic 1; H410.

Full text of H- and EUH-statements: see section 16.

## SECTION 4: First aid measures

#### 4.1 Description of first aid measures

General information: If medical advice is needed, have product container or label at hand.  
In case of inhalation: Provide fresh air. If unconscious place in recovery position and seek medical advice.  
Following skin contact: Remove residues with soap and water. Take off contaminated clothing and wash it before reuse. In case of skin reactions, consult a physician.  
After eye contact: Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Remove contact lenses, if present and easy to do. Continue rinsing. In case of eye irritation consult an ophthalmologist.  
After swallowing: Rinse mouth. Do not induce vomiting. Never give anything by mouth to an unconscious person. Seek medical treatment in case of troubles.

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

In case of inhalation: May cause irritations. Cough, wheezing.  
In case of ingestion: May cause irritations. May be harmful if swallowed.  
After contact with skin: May cause irritations.  
After eye contact: May cause irritations.

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

Treat symptomatically. Rinse immediately carefully and thoroughly with eye-bath or water.

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## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media: Extinguishing is to be in accordance with the surrounding fire.

Extinguishing media which must not be used for safety reasons:

Full water jet

### 5.2 Special hazards arising from the substance or mixture

Fires in the immediate vicinity may cause the development of dangerous vapours.

In the event of a fire, the following may be produced when the water evaporates: Hydrogen chloride, nitrogen oxides (NOx), carbon monoxide and carbon dioxide

### 5.3 Advice for firefighters

Special protective equipment for firefighters:

Wear self-contained breathing apparatus. Wear appropriate protective equipment.

Additional information:

Hazchem-Code: -

Contaminated fire-fighting water must be collected separately.

Do not allow water used to extinguish fire to enter drains, ground or waterways.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation. Do not breathe vapour/aerosol.

Keep unprotected people away. Avoid contact with skin, eyes, and clothing. Wear appropriate protective equipment. Take off contaminated clothing and wash it before reuse.

### 6.2 Environmental precautions

Do not allow to penetrate into soil, waterbodies or drains. If necessary notify appropriate authorities.

### 6.3 Methods and material for containment and cleaning up

Soak up with absorbent materials such as sand, siliceous earth, acid- or universal binder. Store in special closed containers and dispose of according to ordinance. Final cleaning.

Additional information:

Special danger of slipping by leaking/spilling product.

### 6.4 Reference to other sections

Refer additionally to section 8 and 13.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Advices on safe handling:

Provide adequate ventilation, and local exhaust as needed. Avoid the formation of aerosol. Avoid contact with skin, eyes, and clothing. When using do not eat, drink or smoke. Take off contaminated clothing and wash it before reuse. Do not breathe vapour/aerosol. Have eye wash bottle or eye rinse ready at work place.

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#### 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers:

Keep container tightly closed in a cool, well-ventilated place. Store only in original container.  
Protect from frost.

Hints on joint storage: Keep away from food, drink and animal feedingstuffs.

#### 7.3 Specific end use(s)

No information available.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

Additional information: Contains no substances with occupational exposure limit values.

### 8.2 Exposure controls

Vapours/aerosols should be exhausted directly at the point of origin.

### Personal protection equipment

#### Occupational exposure controls

Respiratory protection: Use a breathing protection against vapours/aerosol.  
Use filter type A-P2 according to EN 14387.  
Have a breathing apparatus that is not dependent on the circulating air ready for emergencies.

Hand protection: Protective gloves according to EN 374.  
Glove material: butyl caoutchouc (butyl rubber), nitrile rubber or rubber  
Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

Eye protection: Tightly sealed goggles according to EN 166.

Body protection: Wear suitable protective clothing.

General protection and hygiene measures:  
Do not breathe vapour/aerosol. When using do not eat, drink or smoke. Wash hands before breaks and after work. Have eye wash bottle or eye rinse ready at work place. Take off contaminated clothing and wash it before reuse.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance: Physical state at 20 °C and 101.3 kPa: liquid  
Colour: colourless

Odour: odourless

Odour threshold: No data available

pH value: at 20 °C: 6 - 8

Melting point/freezing point: approx. 0 °C

Initial boiling point and boiling range: approx. 100 °C

Flash point/flash point range: > 93 °C

Evaporation rate: No data available

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Flammability:	No data available
Explosion limits:	LEL (Lower Explosion Limit): not determined UEL (Upper Explosive Limit): not determined
Vapour pressure:	not determined
Vapour density:	No data available
Density:	at 20 °C: approx. 1 g/mL
Water solubility:	completely miscible
Partition coefficient: n-octanol/water:	not determined
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity, kinematic:	No data available
Explosive properties:	No data available
Oxidizing characteristics:	not oxidising

#### 9.2 Other information

Ignition temperature: not determined

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

refer to 10.3

### 10.2 Chemical stability

Stable under recommended storage conditions.

### 10.3 Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

### 10.4 Conditions to avoid

Keep away from heat. Protect from direct sunlight. Protect from frost.

### 10.5 Incompatible materials

No data available

### 10.6 Hazardous decomposition products

Thermal decomposition: No hazardous decomposition products when regulations for storage and handling are observed.  
No data available

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## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

Toxicological effects: The statements are derived from the properties of the single components. No toxicological data is available for the product as such.  
Acute toxicity (oral): Based on available data, the classification criteria are not met.  
Acute toxicity (dermal): Lack of data.  
Acute toxicity (inhalative): Lack of data.  
Skin corrosion/irritation: Lack of data.  
Serious eye damage/irritation: Lack of data.  
Sensitisation to the respiratory tract: Lack of data.  
Skin sensitisation: Lack of data.  
Germ cell mutagenicity/Genotoxicity: Lack of data.  
Carcinogenicity: Lack of data.  
Reproductive toxicity: Lack of data.  
Effects on or via lactation: Lack of data.  
Specific target organ toxicity (single exposure): Lack of data.  
Specific target organ toxicity (repeated exposure): Lack of data.  
Aspiration hazard: Lack of data.

Other information: Information about N,N-Dimethyl-2-hydroxypropylammoniumchloride polymer:  
LD50 Rat, oral: 1,672 mg/kg

### Symptoms

In case of inhalation: May cause irritations. Cough, wheezing.  
In case of ingestion: May cause irritations. May be harmful if swallowed.  
After contact with skin: May cause irritations.  
After eye contact: May cause irritations.

## SECTION 12: Ecological information

### 12.1 Toxicity

Aquatic toxicity: Harmful to aquatic life with long lasting effects.

### 12.2 Persistence and degradability

Further details: No data available

### 12.3 Bioaccumulative potential

Partition coefficient: n-octanol/water:  
not determined

### 12.4 Mobility in soil

No data available

### 12.5 Results of PBT and vPvB assessment

This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

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#### 12.6 Other adverse effects

General information: Do not allow to enter into ground-water, surface water or drains.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Product

Waste key number: 20 01 29\* = Detergents containing hazardous substances.  
\* = Evidence for disposal must be provided.

Recommendation: Dispose of waste according to applicable legislation.

#### Contaminated packaging

Recommendation: Dispose of waste according to applicable legislation.  
Non-contaminated packages may be recycled.

#### Additional information

Avoid release to the environment.

## SECTION 14: Transport information

### 14.1 UN number

ADR/RID, IMDG, IATA-DGR: not applicable

### 14.2 UN proper shipping name

ADR/RID, IMDG, IATA-DGR: Not restricted

### 14.3 Transport hazard class(es)

ADR/RID, IMDG, IATA-DGR: not applicable

### 14.4 Packing group

ADR/RID, IMDG, IATA-DGR: not applicable

### 14.5 Environmental hazards

Marine pollutant: no

### 14.6 Special precautions for user

No dangerous good in sense of these transport regulations.

### 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

No data available

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## SECTION 15: Regulatory information

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

#### National regulations - Great Britain

Hazchem-Code: -  
No data available

### 15.2 Chemical Safety Assessment

For this mixture a chemical safety assessment is not required.

## SECTION 16: Other information

### Further information

Wording of the H-phrases under paragraph 2 and 3:

H302 = Harmful if swallowed.  
H400 = Very toxic to aquatic life.  
H410 = Very toxic to aquatic life with long lasting effects.  
H412 = Harmful to aquatic life with long lasting effects.

Reason of change: Changes in section 2: Labelling  
Changes in section 14: transport information  
General revision

Date of first version: 11/3/2014

### Department issuing data sheet

Contact person: see section 1: Department responsible for information

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

The information in this data sheet has been established to our best knowledge and was up-to-date at time of revision. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.

