

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## AquaCros TM (unstab.)

Version 3.3 / REG\_EU  
Revision Date: 27.11.2018

Specification: 136031  
Material no.:

Date of first issue: 27.11.2018  
Print Date: 28.11.2018

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

#### 1.1 Product identifier

Trade name : AquaCros TM (unstab.)  
Registration number : 01-2120059385-51-0000  
CAS-No. : 2736-18-7  
EC-No. : 220-357-8

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

Use of the Sub-  
stance/Mixture : Raw material for industrial use

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

Company : AlzChem Trostberg GmbH  
Dr.-Albert-Frank-Str. 32  
83308 Trostberg, Germany  
Telephone : +49 8621 86-3351  
E-mail address of person  
responsible for the SDS : alz-pst@alzchem.com

#### 1.4 Emergency telephone number

Emergency telephone num-  
ber : +49 8621 86-2776  
AlzChem Trostberg GmbH, Fire Brigade

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture.

#### 2.2 Label elements

##### Labelling (REGULATION (EC) No 1272/2008)

No labelling required

#### 2.3 Other hazards

A PBT/vPvB evaluation is not available, since a chemical safety evaluation is not required / has not been carried out

### SECTION 3: Composition/information on ingredients

#### 3.1 Substances

Substance name : Monohydroxytriazine sodium salt, 8 - 12%

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### Components

Chemical name	CAS-No. EC-No.	Concentration (% w/w)
4,6-dichloro-1,3,5-triazin-2(1H)-one, sodium salt	2736-18-7 220-357-8	8 - 12

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

- General advice : Seek medical advice in case of symptoms caused by eye or skin contact, inhalation or swallowing.
- If inhaled : Move to fresh air.
- In case of skin contact : Wash off with plenty of water and soap.
- In case of eye contact : Open the eyes and rinse thoroughly with plenty of water.
- If swallowed : Rinse mouth thoroughly with 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

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media : Water spray, foam, CO<sub>2</sub>, dry powder.

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

Hazardous combustion products : Ammonia  
Carbon oxides  
nitrous gases  
Chlorated hydro-carbons

### 5.3 Advice for firefighters

Special protective equipment for firefighters : In the case of fire, wear respiratory protective equipment independent of surrounding air and chemical protective suit.

## SECTION 6: Accidental release measures

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

Personal precautions : Wear personal protective equipment; see section 8.  
Ensure adequate ventilation.

### 6.2 Environmental precautions

Environmental precautions : Product or extinguishing water with product must not be al-

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lowed to enter soil, sewers or natural bodies of water.

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

Methods for cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder).  
Keep in suitable, closed containers for disposal.

### 6.4 Reference to other sections

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Advice on safe handling : The substance must be handled under strictly controlled conditions in accordance with Article 17/18 of the REACH regulation.  
Ensure adequate ventilation.  
Maintain storage temperature

Advice on protection against fire and explosion : No special precautions required.

Hygiene measures : Do not inhale vapours / aerosols. Avoid contact with skin, eyes and clothing. Take off clothing and shoes contaminated with product. Clean before reuse. Wash hands before breaks and at the end of workday. Do not eat, drink or smoke during use. Keep away from food, drink and animal feedingstuffs.

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

Requirements for storage areas and containers : Containers must be fitted with a pressure relief valve since during storage the pressure may increase by CO<sub>2</sub>-development.

Further information on storage conditions : Store in original container. Storage temperature: 1 - 5 °C

Storage period : 2 Months

Recommended storage temperature : ≤ 5 °C

Packaging material : Suitable material: glass, polyethylene, polypropylene

### 7.3 Specific end use(s)

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## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

None known

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### 8.2 Exposure controls

#### Personal protective equipment

Eye protection	:	Safety glasses
Hand protection	:	
Material	:	Nitrile rubber, Recommendation: Camatril 730
Break through time	:	> 120 min
Glove thickness	:	0,4 mm
Directive	:	DIN EN 374
Manufacturer	:	Kächele-Cama Latex GmbH (KCL), Germany
Material	:	Butyl-rubber, Recommendation: Butoject 898
Break through time	:	> 480 min
Glove thickness	:	0,7 mm
Directive	:	DIN EN 374
Manufacturer	:	Kächele-Cama Latex GmbH (KCL), Germany
Skin and body protection	:	Protective clothing
Respiratory protection	:	not required under normal use With higher concentration: Respirator with ABEK combination filter

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance	:	liquid
Colour	:	colourless
Odour	:	odourless
pH	:	ca. 8 (20 °C)
Flash point	:	Not applicable
Density	:	ca. 1 g/cm <sup>3</sup> (20 °C)
Solubility(ies)	:	
Water solubility	:	miscible

### 9.2 Other information

no data available

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

See section 10.3

### 10.2 Chemical stability

Spontaneous decomposition at temperatures > 45 °C (exothermic reaction, CO<sub>2</sub>-release)

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### 10.3 Possibility of hazardous reactions

Hazardous reactions : No hazardous reactions are known if properly handled and stored.

### 10.4 Conditions to avoid

Conditions to avoid : temperatures > 5 °C

### 10.5 Incompatible materials

Materials to avoid : strong acids, strong bases, strong oxidant

### 10.6 Hazardous decomposition products

hydrochloric acid (hydrolysis)

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

##### Components:

##### **4,6-dichloro-1,3,5-triazin-2(1H)-one, sodium salt:**

Acute oral toxicity : LD50 (rat): > 2000 mg/kg  
Method: OECD 423  
Assessment: Based on available data, the classification criteria are not met.  
Remarks: IUCLID

#### Skin corrosion/irritation

##### Components:

##### **4,6-dichloro-1,3,5-triazin-2(1H)-one, sodium salt:**

Species : Rabbit  
Method : OECD Guide-line 404  
Result : not irritating  
Remarks : IUCLID

#### Serious eye damage/eye irritation

##### Components:

##### **4,6-dichloro-1,3,5-triazin-2(1H)-one, sodium salt:**

Species : Rabbit  
Method : OECD Guide-line 405  
Result : not irritating  
Remarks : IUCLID

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### Respiratory or skin sensitisation

#### Components:

##### **4,6-dichloro-1,3,5-triazin-2(1H)-one, sodium salt:**

Test Type : Maximization test  
Species : Guinea pig  
Method : OECD Test Guideline 406  
Result : not sensitizing  
Remarks : IUCLID

### Germ cell mutagenicity

#### Components:

##### **4,6-dichloro-1,3,5-triazin-2(1H)-one, sodium salt:**

Germ cell mutagenicity- Assessment : no data available

### Carcinogenicity

#### Components:

##### **4,6-dichloro-1,3,5-triazin-2(1H)-one, sodium salt:**

Carcinogenicity - Assessment : no data available

### Reproductive toxicity

#### Components:

##### **4,6-dichloro-1,3,5-triazin-2(1H)-one, sodium salt:**

Reproductive toxicity - Assessment : no data available

### STOT - single exposure

#### Components:

##### **4,6-dichloro-1,3,5-triazin-2(1H)-one, sodium salt:**

Remarks : no data available

### STOT - repeated exposure

#### Components:

##### **4,6-dichloro-1,3,5-triazin-2(1H)-one, sodium salt:**

Remarks : no data available

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### Aspiration toxicity

#### Components:

#### 4,6-dichloro-1,3,5-triazin-2(1H)-one, sodium salt:

No data available

### Further information

#### Product:

Remarks : No additional toxicological data are available.

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Components:

#### 4,6-dichloro-1,3,5-triazin-2(1H)-one, sodium salt:

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna): > 100 mg/l  
Exposure time: 48 h  
Method: Directive 92/69/EEC C.2  
Remarks: Own test result.

### 12.2 Persistence and degradability

#### Components:

#### 4,6-dichloro-1,3,5-triazin-2(1H)-one, sodium salt:

Biodegradability : Remarks: Evidence for inherent biodegradability.  
IUCLID

### 12.3 Bioaccumulative potential

no data available

### 12.4 Mobility in soil

no data available

### 12.5 Results of PBT and vPvB assessment

#### Product:

Assessment : A PBT/vPvB evaluation is not available, since a chemical safety evaluation is not required / has not been carried out.

### 12.6 Other adverse effects

#### Product:

Additional ecological information : No further ecotoxicological data are available.

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### SECTION 13: Disposal considerations

#### 13.1 Waste treatment methods

- Product : Must be brought to an adequate waste treatment facility, in conformity with applicable waste disposal regulations.
- Contaminated packaging : Packaging, that can not be reused after cleaning must be disposed or recycled in accordance with all federal, national and local regulations.

### SECTION 14: Transport information

#### 14.1 UN number

Not regulated as a dangerous good

#### 14.2 UN proper shipping name

Not regulated as a dangerous good

#### 14.3 Transport hazard class(es)

Not regulated as a dangerous good

#### 14.4 Packing group

Remarks : Not classified as dangerous in the meaning of transport regulations.

**ADR**  
Remarks : Not regulated as a dangerous good  
: Not classified as dangerous in the meaning of transport regulations.

**RID**  
Remarks : Not regulated as a dangerous good  
: Not classified as dangerous in the meaning of transport regulations.

**IMDG**  
Remarks : Not regulated as a dangerous good  
: Not classified as dangerous in the meaning of transport regulations.

**IATA (Cargo)**  
Remarks : Not regulated as a dangerous good  
: Not classified as dangerous in the meaning of transport regulations.

**IATA (Passenger)** : Not regulated as a dangerous good

#### 14.5 Environmental hazards

Not regulated as a dangerous good

#### 14.6 Special precautions for user

Remarks : Not classified as dangerous in the meaning of transport regulations.



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

Not applicable for product as supplied.

## SECTION 15: Regulatory information

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

The components of this product are reported in the following inventories:

REACH	: Listed
ENCS	: Listed
IECSC	: Listed
KECI	: Listed
NDSL	: Listed
AICS	: Listed
TSCA	: Listed

### 15.2 Chemical safety assessment

No substance safety assessment is required for this product because it is an internal local intermediate product and/or a transported intermediate product.

## SECTION 16: Other information

### Full text of other abbreviations

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Develop-

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ment; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

### Further information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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