

## SAFETY DATA SHEET

According to Commission Regulation (EU) 2015/830 amending Regulation (EC) 1907/2006

Product name: **Aqua Partner tablets**



Version: 1

Date of compilation: 01.09.2017 r.  
Revision date: 01.09.2017 r.

### AQUA PARTNER TABLETS SAFETY DATA SHEET

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

##### 1.1 Product identifier

Product code: Aqua Partner tablets

Trade name: Aqua Partner tablets

REACH No.: not applicable

CAS No.: not applicable

WE No.: not applicable

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

Water-soluble tablets, designed for disinfecting surfaces, materials and equipment in private, public and industrial facilities, for disinfecting surfaces and equipment that may come into contact with food. The product has bactericidal and fungicidal activity.

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

Partner Systems Sp. z o. o.  
ul. Jerzego z Dąbrowy 5/D  
77-300 Człuchów, Poland

**Phone number:** +48 59 834 44 88

**Fax number:** +48 59 834 56 05

**E-mail address:** biuro@partnersystems.pl

**Website:** www.partnersystems.pl

##### 1.4 Emergency telephone number

Emergency call services shall in case emergency: 112, 998 or 999.

#### SECTION 2: Hazards identification

##### 2.1 Classification of the substance or mixture


Classification according to Regulation (EU) 1272/2008 [CLP/GHS]

	GHS09 Hazardous to the aquatic environment - Categories 1 H400 Very toxic to aquatic life.
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## SAFETY DATA SHEET

According to Commission Regulation (EU) 2015/830 amending Regulation (EC) 1907/2006

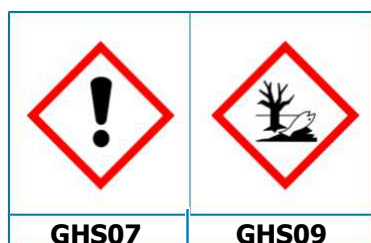
Product name: **Aqua Partner tablets**

	GHS07 Acute toxicity - Categories 4 H302 Harmful if swallowed.
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### 2.2 Label elements

The product is labeled in accordance with the regulation (EU) 1272/2008.

Hazard pictograms:



**Signal word:** Danger

#### Hazard statements:

- H272 May intensify fire; oxidizer.
- H302 Harmful if swallowed.
- H319 Causes serious eye irritation.
- H335 May cause respiratory irritation.
- H400 Very toxic to aquatic life.

#### Precautionary statements:

- P101 If medical advice is needed, have product container or label at hand.
- P102 Keep out of reach of children.
- P103 Read label before use.
- P271 Use only outdoors or in a well-ventilated area.
- P273 Avoid release to the environment.
- P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.
- P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

## SAFETY DATA SHEET

According to Commission Regulation (EU) 2015/830 amending Regulation (EC) 1907/2006



Product name: **Aqua Partner tablets**

P402 + P404 Store in a dry place. Store in a closed container.

### Other hazard statements:

EUH031 Contact with acids liberates toxic gas.

EUH206 Warning! Do not use together with other products. May release dangerous gases (chlorine).

### 2.3 Other hazards

#### Classification PBT and vPvB:

PBT: not applicable

vPvB: not applicable

## SECTION 3: Composition / information on ingredients

### 3.1. Substances

CAS/WE No.	Product name	Hazard class	Concentration substance value
CAS: 2893-78-9 WE: 220-767-7	Troclosene sodium	Ox. Sol. 2, H272 Acute Tox. 4, H302 Eye Irrit. 2, H319 STOT SE 3, H335 Aquatic acute 1, H400	80-90%
CAS: 124-04-9 WE: 204-673-3	Adipic acid	Eye Irrit. 2, H319	<10%

Full text of the H statements referred to in section 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### Inhalation

Ensure access to fresh air. Provide conditions for rest in a position that allows breathing. Seek medical advice if you have any doubts or if your symptoms persist. In the absence of breath, immediate medical attention is needed.

#### Skin contact

Take off contaminated clothing. Rinse skin with water / shower. Wash contaminated clothing. In case of skin irritation, seek medical advice.

## SAFETY DATA SHEET

According to Commission Regulation (EU) 2015/830 amending Regulation (EC) 1907/2006



Product name: **Aqua Partner tablets**

### Eye contact

Rinse cautiously with plenty of water for 15-20 minutes. Avoid strong water stream. If contact lenses are present, flush eyes for 5 minutes, then remove contact lenses and continue flushing. Get medical attention.

### Ingestion

Rinse out mouth and provide access to fresh air. Give water to drink. Immediate medical attention is needed. Do not induce vomiting. If vomiting occurs, clean the respiratory tract and give more water to drink.

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

### Inhalation

Severe respiratory tract irritation may occur, resulting in coughing, choking, pain and possible burns of mucous membranes. Chest tightness, shortness of breath, dizziness, union or drop in blood pressure may occur after prolonged exposure or contact with large amounts of the product.

### Skin contact

It is not classified as a skin irritant. It is not a potential sensitizing factor. Dry preparation is less irritating than wet. Direct contact with wet material or wet skin can cause severe irritation, pain and possibly burns.

### Eye contact

The product is irritating to eyes. Direct contact can cause severe irritation, pain and burns, serious and permanent eye damage, including blindness. Symptoms depend on the concentration of the preparation and the time of contact with the eyes.

### Ingestion

Harmful if swallowed. Ingestion may cause immediate pain, vomiting and severe burns of the mucosa. Speech and swallowing disorders may occur.

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

If in doubt, seek medical advice.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

Water fog, dry powder or sand.

#### Unsuitable extinguishing media

Strong water jet, carbon dioxide (CO<sub>2</sub>).

## SAFETY DATA SHEET

According to Commission Regulation (EU) 2015/830 amending Regulation (EC) 1907/2006



Product name: **Aqua Partner tablets**

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

During a fire, the following substance can be released:

- hydrogen chloride (HCl),
- chlorine compounds.

Under certain conditions, traces of other toxic gases may be formed.

### 5.3 Advice for firefighters

In the case of a fire, firefighters should wear full protective clothing and a self-contained breathing apparatus. Extinguish a fire at a reasonable distance using normal precautions. Do not allow the extinguishing water to drain into the sewage system and watercourses. If it's possible, move containers with material away from fire area. After a fire, thoroughly disinfect fire fighting equipment using a 10% sodium carbonate solution.

## SECTION 6: Accidental release measures

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

Provide ventilation. Wear protective clothing. Remove all possible sources of ignition. Avoid breathing dust. Avoid contact with skin and eyes.

### 6.2 Environmental precautions

Prevent seepage into sewage system, surface and underground waters. Notify the relevant authorities on the release to the water of any sewage system.

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

Remove as soon as possible from the environment. Ensure the use of ventilation. The dry material should be collected mechanically, the product solution collected by sorption. The collected substance is keep in a labeled container and available to licensed rendering plants. Do not close in containers wet or moist formulation.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Work in compliance with the principles of occupational health and safety. Ensure good ventilation / exhaust in the workplace. Avoid creating and spreading dust. Do not breathe dust. Avoid contact with skin and eyes. All dust formation that cannot be avoided must be removed regularly.

### Recommendations for general occupational hygiene

Wash hands after working with the substance.

## SAFETY DATA SHEET

According to Commission Regulation (EU) 2015/830 amending Regulation (EC) 1907/2006



Product name: **Aqua Partner tablets**

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

#### Conditions for storage

Observe local and national regulations regarding the storage of water polluting compounds. Keep away from food, drink and animal feeding stuffs. Store tightly closed in a cool, dry place in a ventilated place. Protect from heat and direct sunlight. Protect from moisture.

#### Incompatible substances or mixtures

Keep away from flammable substances. Do not storage together with acids, bases and oxidizing substances.

#### Consideration of other recommendations

Store in a closed area where only authorized persons are access.

### 7.3 Specific end use(s)

Product is designed for disinfecting surfaces, materials and equipment.

## SECTION 8: Exposure controls / personal protection

### 8.1 Control parameters

#### Occupational exposure limits

Adipic acid

- Exposure limit: 5 mg/m<sup>3</sup>
- Short-term exposure limit: 10 mg/m<sup>3</sup>

### 8.2 Exposure controls

Do not eat, drink or smoke while working. Take off contaminated clothing immediately. Avoid contact with eyes and skin. Wash hands during breaks and after finishing work.

#### Personal protective equipment



Protective clothing should have proven chemical resistance.

#### Eye/face protection

Use safety glasses with side shields.

## SAFETY DATA SHEET

According to Commission Regulation (EU) 2015/830 amending Regulation (EC) 1907/2006



Product name: **Aqua Partner tablets**

### Hand protection

Wear suitable gloves. To avoid skin problems, limit using gloves to the bare minimum. Check the quality of each new gloves. The material from which the gloves are made should be impervious and resistant to the product. Protective gloves should be replaced after the first signs of wear. The exact breakthrough time must be given by the manufacturer and must be observed.

### Respiratory protection

Respiratory protection is required in the case of dust formation. If there is ventilation in the workplace, no special precautions are necessary.

### Skin and body protection

Wear protective clothing. Body protection must be selected depending on the activity and the possible exposure.

## SECTION 9: Physical and Chemical Properties

### 9.1 Information on basic physical and chemical properties

#### Appearance

Physical state	Solid
Colour	White
Odour	Like chlorine
Odour threshold	No data available

#### Other physical and chemical parameters

pH	5 – 7
Melting point	No data available
Boiling point	No data available
Flash point	No data available
Evaporation rate	No data available
Flammability (gas, solid)	Not flammable product
Upper flammability or explosive limits	No data available
Lower flammability or explosive limits	No data available
Vapour pressure	No data available
Density	No data available
Bulk density at T = 20°C	No data available
Relative density	No data available
Solubility at T = 20°C	Completely soluble in water

## SAFETY DATA SHEET

According to Commission Regulation (EU) 2015/830 amending Regulation (EC) 1907/2006



Product name: **Aqua Partner tablets**

Partition coefficient n-octanol/water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	225 – 250°C
dynamic viscosity	No data available
Explosive properties	Not applicable
Oxidising properties	Oxidising

### 9.2 Other information

No additional information.

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

See section 10.3.

### 10.2 Chemical stability

To avoid thermal decomposition, do not overheat. Thermal decomposition at temperatures above 225 ° C.

### 10.3 Possible of hazardous reactions

Reacts with acids to release chlorine.

### 10.4 Conditions to avoid

Avoid contact with water. Avoid contact with water in concentrated material in the container. Avoid contact with ammonia, urea and similar nitrogen compounds, combustible materials, reducing substances, acids, bases, calcium hypochlorite.

### 10.5 Incompatible materials

Strong acids

Strong bases

Reducing substances

Flammable materials

### 10.6 Hazardous decomposition products

Chlorine

Nitrogen trichloride

Cyanogen chloride

Phosgene

Hydrogen chloride (HCl)

Carbon monoxide (CO) and carbon dioxide (CO<sub>2</sub>)

Under special conditions during a fire, traces of other toxic gases may appear.



## SAFETY DATA SHEET

According to Commission Regulation (EU) 2015/830 amending Regulation (EC) 1907/2006

Product name: **Aqua Partner tablets**



### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

##### Acute toxicity

##### LD/LC50

<b>Troclosene sodium (CAS 2893-78-9)</b>			
Ingestion	LD50	1420 mg/kg	rat
Skin contact	LD50	> 5000 mg/kg	rabbit
Inhalation	LD50/4h	0,27 – 1,17 mg/l	rat
<b>Adipic acid (CAS 124-04-9)</b>			
Ingestion	LD50	5700 mg/kg	rat
Skin contact	LD50	> 7500 mg/kg	rabbit
Inhalation	LD50/4h	7,7 mg/l	rat

##### Routes of exposure and symptoms for human

- **Eye contact:** The product may be irritating to the eyes.
- **Skin contact:** Is not classified as a skin irritant. No sensitizing effects known.
- **Inhalation:** The preparation may irritate the respiratory system and cause breathing problems.
- **Ingestion:** May be harmful if swallowed.

### SECTION 12: Ecological information

#### 12.1 Toxicity

Very toxic to aquatic organisms. Toxic to fish and plankton in reservoir.

<b>Troclosene sodium (CAS 2893-78-9)</b>		
EC50/48 h	0,196 mg/l	<i>Daphnia magna</i>
LC50/96 h	1,65 mg/l	<i>Mysidacea</i>
LC50/96 h	0,25 – 1 mg/l	<i>Lepomis macrochirus</i>
	1,21 mg/l	<i>Menidia beryllina</i>
	0,13 – 0,36 mg/l	<i>Oncorhynchus mykiss</i>
<b>Adipic acid (CAS 124-04-9)</b>		
EC50/48 h	86 mg/l	<i>Daphnia magna</i>
EC50/72 h	31 mg/l	<i>Desmodesmus subspicatus</i>
LC50/96 h	97 mg/l	<i>Pimephales promelas</i>

## SAFETY DATA SHEET

According to Commission Regulation (EU) 2015/830 amending Regulation (EC) 1907/2006

Product name: **Aqua Partner tablets**



### 12.2 Persistence and degradability

Not data available.

### 12.3 Bioaccumulative potential

Not data available.

### 12.4 Results of PBT and vPvB assessment

PBT: not applicable

vPvB: not applicable

### 12.6 Other adverse effects

When using the product with proper care and attention, ecological problems should not arise.

## SECTION 13: Disposal consideration

### 13.1 Waste treatment methods

Do not store together with household waste. Contact with incompatible materials may cause reactions and fire. Do not allow product to reach sewage system. Dispose of in accordance with applicable regulations. Do not transport moist or wet material. Dispose of uncleaned packaging in accordance with applicable regulations.

## SECTION 14: Transport information

### 14.1 UN number

UN 3086

### 14.2 UN proper shipping name

Toxic solid, oxidizing, n.o.s.

### 14.3 Transport hazard class(es)

6.1 (5.1)

### 14.4 Packing group

II

### 14.5 Environmental hazards

#### Sea pollution

Yes (hazardous to the aquatic environment). Symbol (fish and tree).

#### Special marking (ADR)

Symbol (fish and tree).

### 14.6 Special precautions for user

Attention: oxidising substance.

Hazard Identification Number: 56.

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

Not applicable.

## SAFETY DATA SHEET

According to Commission Regulation (EU) 2015/830 amending Regulation (EC) 1907/2006

Product name: **Aqua Partner tablets**



### SECTION 15: Regulatory information

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

##### European Union (EU) regulations

###### **Regulation 649/2012/EU concerning the export and import of dangerous chemicals (PIC)**

Not mentioned.

###### **Regulation 1005/2009/EC on substances that deplete the ozone layer**

Not mentioned.

###### **Regulation 2010/75/EC concerning persistent organic pollutants (POPs)**

Not mentioned.

###### **Restrictions according to REACH, Annex XVII**

Not mentioned.

###### **List of substances subject to authorization (REACH, Annex XIV)**

Not mentioned.

###### **Directive 2011/65 / EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS) - Annex II**

Not mentioned.

###### **Regulation 166/2006 / EC establishing a European Pollutant Release and Transfer Register (PRTR)**

Not mentioned.

###### **Directive 2000/60 / EC establishing a framework for Community action in the field of water policy**

Not mentioned.

##### **Other regulations and restrictions**

Toxic Substances Control Act TSCA (USA)

EINECS/ELINCS/NLP (Europe)

#### 15.2 Chemical safety assessment

No information available.

### SECTION 16: Other information

Relevant hazard statements

H272	May intensify fire; oxidizer
H302	Harmful if swallowed
H319	Causes serious eye irritation
H335	May cause respiratory irritation
H400	Very toxic to aquatic life

## SAFETY DATA SHEET

According to Commission Regulation (EU) 2015/830 amending Regulation (EC) 1907/2006



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Product name: **Aqua Partner tablets**

### Abbreviations and acronyms

Acute Tox. 4	Acute Toxicity – Oral, Category 4
ADR	European agreement concerning the international carriage of dangerous goods by road
Aquatic acute 1	Aquatic acute, Category 1
CAS	The most comprehensive chemical scientific database of chemical compounds
CLP	Regulation (EC) No. 1272/2008 on the Classification, Labeling and Packaging of substances and mixtures
EC50	Concentration causing a specific biological effect in 50% of its maximum value
EINECS	European List of Existing Commercial Substance
ELINCS	European List of Notified Chemical Substances
Eye Irrit. 2	Eye Irritation, Category 2
GHS	Global Harmonized System of Classification and Labeling of Chemicals
LC50	Concentration causing 50% of the population to die
LD50	Dose resulting in the death of 50% of the population
Ox. Sol. 2	Oxidising Solids, Category 2
PBT	Persistent, bioaccumulative and toxic
REACH	Registration, Evaluation, Authorization and Restriction of Chemicals
STOT SE 3	Specific target organ toxicity, Category 3
vPvB	Very persistent and very bioaccumulative

### Reservation

The information given in this safety data sheet corresponds to our best knowledge. The information should provide reference points for safe handling of the product in case of its storage, transport and disposal. Data should not be transferred to other products. If the product is mixed or processed with other materials, the caution sheet data is not transferable to new material.