

## Material Safety Data Sheet

### Section 1: Identification of the Substance/Mixture and the Company/Undertaking.

#### 1.1- Product Identifier:

**Trade name:** AquaSEEN, The Natural Disinfectant Solution.

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

**Recommended uses:** Surface Disinfection, and Multipurpose Disinfection.

Use biocides safely. Always read the label and product information before use. This safety data sheet contains general information concerning the chemical, but specific instructions and guidelines are indicated on the product label and in the instructions for use.

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

**Supplier:** PureSEEN Hawama Co. Ltd.

Prince Hussain Bin Abdullah Street, Aqaba International Industrial Estate, ASEZA, Aqaba - Jordan.

**Tel:** +962791211555.

**Email:** info@aquaseen.com

#### 1.4- Emergency telephone number: +962791211555.

**Emergency telephone comments:** The emergency telephone is open between 8 am. and 5 pm. on working days.

### Section 2: Hazards Identification.

CLP-classification (Regulation (EC) No 1272/2008):

The product shall not be classified as hazardous according to EU classification and labelling rules.

#### 2.1- Main Hazards:

AquaSEEN Disinfectant in its strongest form (C.ac >500mg/l) may cause irritation to the eyes, sensitive skin, and throat. Where the solution is stored in bottles one should not try to smell or inhale the evaporations.

#### 2.2- Health Effects - Eyes:

AquaSEEN Disinfectant in its strongest form may cause irritation to the eyes.

#### 2.3- Health Effects - Skin:

AquaSEEN Disinfectant in its strongest form may cause slight irritation to sensitive skin or open wounds.

#### 2.4- Health Effects - Ingestion:

AquaSEEN Disinfectant in its diluted form for drinking water (C.ac <0.5mg/l) is safe on the throat and digestive tract. Swallowing the solution in its strongest form may cause irritation to the throat and digestive tract.

#### 2.5- Health Effects - Inhalation:

During the generation of AquaSEEN Disinfectant, particularly its strong form, unless there is adequate ventilation there may be a build-up of fumes which may cause dizziness and nausea.

### Section 3: Composition/Information on Ingredients.

Main ingredients	CAS-No	EinCS-No	Wt./vol %	Symbols
Water	7732-18-5	231-791-2	99.95%	H <sub>2</sub> O
Hypochlorous Acid	7790-92-3	232-232-5	0.05%	HOCl

## Section 4: First Aid Measures.

### 4.1-Description of first aid measures:

<b>Inhalation:</b>	Seek fresh air. Seek medical advice in case of persistent discomfort.
<b>Ingestion:</b>	Wash out mouth thoroughly and drink 1-2 glasses of water in small sips. Seek medical advice in case of persistent discomfort.
<b>Skin:</b>	Remove contaminated clothing. Wash the skin with water. Seek medical advice in case of persistent discomfort.
<b>Eyes:</b>	Flush with water (preferably using eye wash equipment) until irritation subsides. Seek medical advice if symptoms persist.
<b>Other Information:</b>	When obtaining medical advice, show the safety data sheet or label.

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

May cause slight irritation to the skin and eyes.

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

Treat symptoms. No special immediate treatment is required.

## Section 5: Fire - Fighting Measures.

### 5.1- Extinguishing Media:

Suitable extinguishing media: The product is not directly flammable. Choose extinguishing agents based on the surrounding fire.

Unsuitable extinguishing media: Do not use a water stream, as it may spread the fire.

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

The product is not directly flammable. Avoid inhalation of vapors and fumes – seek fresh air.

### 5.3- Advice for firefighters:

Wear a Self-Contained Breathing Apparatus (SCBA) with chemical-resistant gloves.

## Section 6: Accidental Release Measures.

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

For non-emergency personnel: Wear gloves.

For non-emergency personnel: In addition to the above: Normal protective clothing equivalent to EN 469 is recommended.

### 6.2- Environmental precautions:

Do not discharge large quantities of concentrated spills and residue into drains.

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

Contain and absorb spill with sand or other absorbent material and transfer to suitable waste containers. Wipe up minor spills with a cloth. Rinse with water.

### 6.4- Reference to other sections:

See section 8 for a type of protective equipment. See section 13 for instructions on disposal.

## Section 7: Handling and Storage.

### 7.1- Precautions for safe handling:

Running water and eye wash equipment should be available. Wash hands before breaks, before using restroom facilities, and at the end of work.

### 7.2- Conditions for safe storage including any incompatibilities:

Store in a dry, cool, well-ventilated area, in a ventilated plastic container and ensure the solution is correctly labelled. Do not seal containers completely, make sure any gas from the tank has a way to safely evacuate. Shelf life: approximately 24 months. For that keep in tightly closed original packaging/bottle.

### 7.3- Specific end use(s):

None.

## Section 8: Exposure Controls/Personal Protection.

### 8.1- Control parameters:

Legal basis: Directive 2000/39/EC as subsequently amended. Contains no substances subject to reporting requirements.

### 8.2- Exposure controls:

Plastic or rubber gloves are recommended if there is a risk of direct exposure.

Wear the personal protective equipment specified below if needed.

#### Personal Protective Equipment - eye/face protection:

Wear safety goggles if there is a risk of eye splash.

Eye protection must conform to EN 166.

#### Personal Protective Equipment - skin protection:

Plastic or rubber gloves are recommended.

Gloves must conform to EN 374.

#### Personal Protective Equipment - respiratory protection:

Not required at neutral pH, strongly advised at pH  $\leq 5$ .

#### Environmental exposure controls:

Ensure compliance with local regulations for emissions.

## Section 9: Physical & Chemical Properties.

### 9.1- Information on basic physical and chemical properties:

State:	Liquid
Color:	Clear
Odor:	Chlorine
Fragrance:	No Fragrance Added
Odor threshold:	No data
pH (solution for use):	5.5-8.5
pH (concentrate):	5.5-8.5
Melting point/freezing point:	0°C
Initial boiling point and boiling range:	100°C
Flashpoint:	No data
Evaporation point:	No data
Flammability:	No data
Upper/lower flammability limits:	No data
Upper/lower explosive limits:	No data
Vapor pressure:	2.33
Vapor density:	No data
Relative density:	1
Solubility: Solubility in water:	Completely miscible Partition coefficient.
n-octanol/water:	No data
Auto-ignition temperature:	No data
Decomposition temperature:	No data
Viscosity:	No data
Explosive properties:	No data
Oxidizing properties:	No data

### 9.2- Other Information: None

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## Section 10: Stability And Reactivity.

10.1- Reactivity:	Not reactive.
10.2- Chemical stability:	The product is stable when used in accordance with the supplier's directions.
10.3- Possibility of hazardous reactions:	None known.
10.4- Conditions to avoid:	None known.
10.5- Incompatible materials:	None known.
10.6- Hazardous decomposition products:	None known.

## Section 11: Toxicological Information.

Acute toxicity - oral:	Ingestion of large quantities may cause discomfort. The product does not have to be classified. Test data are not available.
Acute toxicity - dermal:	The product does not have to be classified. Test data are not available.
Acute toxicity - inhalation:	The product does not have to be classified. Test data are not available.
Skin corrosion/irritation:	May cause slight irritation. The product does not have to be classified. Test data are not available.
Serious eye damage/eye irritation:	May cause eye irritation. The product does not have to be classified. Test data are not available.
Respiratory sensitization or skin sensitization:	The product does not have to be classified. Test data are not available.
Germ cell mutagenicity:	The product does not have to be classified. Test data are not available.
Carcinogenic properties:	The product does not have to be classified. Test data are not available.
Reproductive toxicity:	The product does not have to be classified. Test data are not available.
Single STOT exposure:	Inhalation of vapors may cause irritation to the upper airways. The product does not have to be classified. Test data are not available.
Repeated STOT exposure:	The product does not have to be classified. Test data are not available.
Aspiration hazard:	The product does not have to be classified. Test data are not available.
Other toxicological effects:	None known.

## Section 12: Ecological Information

12.1- Toxicity:	The product does not have to be classified. Test data are not available.
12.2- Persistence and Degradability:	Expected to be biodegradable. Test data are not available.
12.3- Bio-accumulative potential:	No bioaccumulation expected. Test data are not available.
12.4- Mobility in soil:	Test data are not available.
12.5- Results of PBT and vPvB assessment:	The product does not contain any PBT or vPvB substances.
15.6- Other adverse effects:	None known.

## Section 13: Disposal Considerations.

### 13.1- Waste treatment methods:

Do not discharge large quantities of concentrated spills and residue into drains.

Contact the local authorities.

EWC code: Depends on the line of business and use, for instance, 16 03 04. Inorganic wastes other than those mentioned in 16 03 03.

Absorbent/cloth contaminated with the product: EWC code: 15 02 03 Absorbents, filter materials, wiping cloths, and protective clothing other than those mentioned in 15 02 02. Empty, cleansed packaging should be disposed of for recycling.

## Section 14: Transport Information.

The product is not covered by the rules for the transport of dangerous goods.

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.

14.7- Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code.

## Section 15: Regulatory Information.

Regard to COMMISSION IMPLEMENTING REGULATION (EU) 2021/347. Biocidal products of product- type 2, using active chlorine released from Hypochlorous acid may be expected to satisfy the requirements laid down in Article 5 of Directive 98/8/EC, provided that certain specifications and conditions concerning their use are complied with.

**15.1- Safety, health and environmental regulations/legislation specific for the substance or mixture. Special provisions:**

None.

**15.2- Chemical safety assessment:**

Not addressed in the Union level risk assessment of the active substance.

## Section 16: Other Information.

**16.1- Abbreviation Explanations:** PBT: Persistent, Bio accumulative, and Toxic.

vPvB: Very Persistent and Very Bio accumulative.

STOT: Specific Target Organ Toxicity.

**16.2- Classification Method:**

Calculation based on the hazards of the known components.

**16.3- H-phrases:**

No H-phrases.

**16.4- Training:**

A thorough knowledge of this safety data sheet should be a prerequisite condition.

**Other information:** This safety data sheet has been prepared for and applies to this product only. It is based on our current knowledge and the information that the supplier was able to provide about the product at the time of preparation. The safety data sheet complies with applicable law on the preparation of safety data sheets in accordance with 1907/2006/EC (REACH) as subsequently changed.

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Safety data sheet was prepared by:

**PureSEEN Hawama Co. Ltd.**

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