

# Safety Data Sheet

## Aqua Sol



Date of issue: 04-Mar-2024 Revision date: 04-Mar-2024 Version: 1.0

### Section 1 - Product and Company Identification

#### 1.1 Product identifier

**Product Name:** Aqua Sol

#### Product Details:

**Item No (SKU Code):** CT-ASOL

**Physical State:** Liquid

**Product Form:** Mixture

#### 1.2 Recommended use and restrictions on use

**Relevant uses** Water treatment  
For consumer use

**Uses advised against:** No data available

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

##### Product Manufacturer/Supplier:

**Name:** Clean Tabs Ltd  
**Address:** Unit 14 Carlton Park Industrial Park,  
Saxmundham, Suffolk, IP17 2NL  
**Website** <https://www.cleantabs.co.uk>  
**Email:** [info@cleantabs.co.uk](mailto:info@cleantabs.co.uk)  
**Tel:** +44 (0)1728 603990

#### 1.4 Emergency telephone number:

Emergency telephone number: +44 (0)1728 603990 (Business hours)

### Section 2 - Hazards Identification

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

##### Classification according to Regulation (EC) No. 1272/2008

Corrosive to metals, Category 1	H290
Serious eye damage/eye irritation, Category 2	H319

#### 2.2. Label elements

##### Labelling according to Regulation (EC) No. 1272/2008

##### Hazard pictograms:



**Signal word:** Warning

**Hazardous ingredients :** refer SDS section 3

##### Hazard statements:

H290 - May be corrosive to metals  
H319 - Causes serious eye irritation.

##### Precautionary statements:

P102-Keep out of reach of children.  
P264-Wash face, hands and any exposed skin thoroughly after handling.  
P280-Wear protective gloves/protective clothing/eye protection.

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P301 + P330 + P331-IF SWALLOWED: rinse mouth. Do NOT induce vomiting.  
P302 + P352-IF ON SKIN: Wash with plenty of water with soap.  
P305 + P351 + P338-IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337 + P313-If eye irritation persists: Get medical advice/ attention.  
P332 + P313-If skin irritation occurs: Get medical advice/ attention.  
P403 + P233-Store in a well-ventilated place. Keep container tightly closed.  
P501-Dispose of contents/container to an approved landfill/ incineration plant/waste disposal plant.

### Supplemental Hazard information

EUH210: Safety data sheet available on request.

### 2.3. Other hazards

**PBT and vPvB assessment:** The mixture is not known to contain PBT or vPvB substance at or above 0.1%.

## Section 3 - Composition / Information on Ingredients

**3.1. Substances:** Not applicable

### 3.2. Mixtures:

Name	Product identifier (CAS RN)	Concentration (%)	GHS Classification
Sodium chlorite	7758-19-2	1.4	Ox. Sol. 1, H271, Acute Tox. 3, H301 Acute Tox. 2, H310 Skin Corr. 1B, H314 Eye Dam. 1, H318 STOT RE 2, H373 Aquatic Acute 1, H400
Citric acid	5949-29-1	0.1	Eye Irrit. 2, H319 STOT SE 3, H335

\* Full text of Hazard Statements: see section 16

## Section 4 - First Aid Measures

### 4.1. Description of first aid measures

#### First-aid General:

You should contact your health care provider if you suspect that you have a medical problem. Show this safety data sheet to the doctor in attendance.

#### First-aid after inhalation:

Remove person to fresh air and keep comfortable for breathing. If any symptoms persist, call a physician.

#### First-aid after skin contact:

Wash skin with plenty of water. Soap may be used. Take off contaminated clothing. If skin irritation occurs: Get medical advice/attention.

#### First-aid after eye contact:

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. If effects occur, consult a physician, preferably an ophthalmologist. / Get medical advice/attention.

#### First-aid after swallowing:

If accidentally swallow, rinse mouth with water. Get immediate medical advice/attention. If professional advice is not available, do not induce vomiting. Never give anything by mouth to an unconscious person.

### 4.2. Most important symptoms and effects:

#### Symptoms/effects after inhalation:

None known

#### Symptoms/effects after skin contact:

None known

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### Symptoms/effects after eye contact:

May cause eye irritation.

### Symptoms/effects after ingestion:

May be harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

### 4.3. Immediate medical attention and special treatment if needed

Treat symptomatically.

## Section 5 - Fire Fighting Measures

### 5.1. Extinguishing media

#### Suitable extinguishing media:

Water Spray: yes | Foam: Yes | Halon: Yes | Carbon Dioxide: Yes | Dry Chemical: Yes

**Unsuitable extinguishing media:** None

### 5.2. Specific hazards developing from the chemical

Non combustion product. In case of fire, pet plastic container may release CO, CO<sub>2</sub>, and toxic gases.

**Flammability:** Nonflammable product

### 5.3. Special protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

#### Fire-fighting equipment/instructions:

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. Move containers from fire area if you can do so without risk. No action shall be taken involving any personal risk or without suitable training.

### 5.4. Precautions for firefighters:

Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus (SCBA). Complete protective clothing. If protective equipment is not available or not used, fight fire from a protected location or safe distance.

## Section 6 - Accidental Release Measures

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

**General:** Ensure adequate ventilation. Avoid inhalation, ingestion and contact with eyes.

#### For non-emergency personnel:

Keep unnecessary personnel away. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.

#### For emergency responders:

Evacuate unnecessary personnel. See also the information in "For nonemergency personnel". See protective measures under Section 7 and 8.

### 6.2. Environmental precautions

Prevent product from entering drains.

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

Soak up with inert absorbent material such as clay, sand or other suitable non-reactive material and place into a separate waste container.

### 6.4. Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

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### Section 7 - Handling and Storage

#### 7.1. Precautions for safe handling

**Protective measures:**

Ensure good ventilation/exhaustion at the workplace. Use in accordance with good manufacturing and industrial hygiene practices.

**Advice on general occupational hygiene:**

Do not eat, drink and smoke where this material is handled, stored and processed. Avoid contacting eyes and face. Keep container closed when not in use.

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

Store in a well-ventilated and dry place at room temperature. Keep away from acids, oxidizing, reducing agent and DIRECT SUNLIGHT. Keep away from food, drink and animal feeding dishes. KEEP OUT OF REACH OF CHILDREN. Keep container closed when not in use.

**Storage Class (Classified according to DG):** Not required

#### 7.3 Specific end use(s)

Use as directed

### Section 8 - Exposure Controls / Personal Protection

#### 8.1. Control parameters:

**Occupational exposure limits:** No Data Available

**Biological exposure Indices (BEI):** No Data Available

#### 8.2 Exposure controls

**Appropriate engineering controls:**

Ensure exposure is below occupational exposure limits (where available). Use personal protective equipment to control the exposure (see section 8). Wash hands before breaks and at the end of workday.

#### 8.3. Individual protection measures/Personal protective equipment

**Hand protection:**

Not necessary under normal conditions of use.  
Hand protection recommended while manufacturing product.

**Eye/face protection:**

Not necessary under normal conditions of use.  
Eye and face protection recommended at workplace while manufacturing product.

**Skin and body protection:**

Not necessary under normal conditions of use.  
Skin protection recommended at workplace while manufacturing product.

**Respiratory protection:**

Not necessary under normal conditions of use.  
Respiratory protection recommended at workplace while manufacturing product.

**Environmental exposure controls:**

Prevent product from entering drains.  
Collect spillage.

### Section 9 - Physical and Chemical Properties

#### 9.1. Information on basic physical and chemical properties

<b>Appearance</b>	:	Clear Liquid
<b>Physical state</b>	:	Liquid
<b>Color</b>	:	Clear
<b>Odor</b>	:	Characteristics odor
<b>pH</b>	:	7 - 8
<b>pH solution</b>	:	No Data Available
<b>Relative evaporation rate (ether=1)</b>	:	No Data Available

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<b>Melting point</b>	:	Not Applicable
<b>Freezing point</b>	:	<0 °C
<b>Boiling point</b>	:	>100°C
<b>Flash point</b>	:	Not Applicable
<b>Auto-ignition temperature</b>	:	No Data Available
<b>Decomposition temperature</b>	:	No Data Available
<b>Vapor pressure</b>	:	No Data Available
<b>Relative density</b>	:	1.00 – 1.04
<b>Density</b>	:	No Data Available
<b>Solubility</b>	:	Soluble in water
<b>Viscosity, kinematic</b>	:	No Data Available
<b>Explosive properties:</b>	:	No Explosion Hazard
<b>Lower explosive limit (LEL)</b>	:	No Data Available
<b>Upper explosive limit (UEL)</b>	:	No Data Available
<b>Flammability</b>	:	Non flammable

### 9.2 Other information

<b>VOC content</b>	:	No Data Available
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## Section 10 - Stability and Reactivity

### 10.1 Reactivity

Stable under recommended storage conditions.

### 10.2 Chemical stability

Stable under recommended storage conditions.

### 10.3 Possibility of hazardous reactions

Contact with acids, organic materials, reducing agents and oxidizing agents will release toxic gases of chlorine and/or chlorine dioxide

### 10.4 Conditions to avoid

Heat, flames and sparks, high temperature.

### 10.5 Incompatible materials

Oxidizing and reducing agents, strong acids, and bases.

### 10.6 Hazardous decomposition products

Under fire conditions, carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>), unburned hydrocarbons (smoke) and other irritating gases and vapors may release.

## Section 11 - Toxicological Information

### 11.1. Information on toxicological effects

<b>Acute toxicity (oral):</b>	Not classified
<b>Acute toxicity (dermal) :</b>	Not classified
<b>Acute toxicity (inhalation):</b>	Not classified.

### Toxicology data for the components/mixture

No Data Available

<b>Skin corrosion/irritation:</b>	Not classified
<b>Serious eye damage/irritation:</b>	Causes serious eye irritation
<b>Respiratory or skin sensitization:</b>	Not classified.
<b>Germ cell mutagenicity:</b>	Not classified

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<b>Carcinogenicity:</b>	Not classified
<b>Reproductive toxicity:</b>	Not classified.
<b>STOT-single exposure:</b>	Not classified.
<b>STOT-repeated exposure:</b>	Not classified.
<b>Aspiration hazard:</b>	Not classified.

### Section 12 - Ecological Information

#### 12.1 Toxicity

**Acute aquatic toxicity:** Not classified.

**Chronic aquatic toxicity:** Not classified.

#### Ecotoxicity data for the components/mixture

No data available

#### 12.2 Persistence and degradability

No data available

#### 12.3 Bioaccumulative potential

No data available

#### 12.4 Mobility in soil

No data available

#### 12.5 Results of PBT and vPvB assessment

No data available

#### 12.6 Other adverse effects

No data available

### Section 13 - Disposal Considerations

#### 13.1. Waste treatment methods

Disposal should be in accordance with applicable regional, national and local laws and regulations. Avoid disposing into drainage systems and into the environment. Empty containers should be taken to an approved waste handling site for recycling or disposal.

#### Contaminated packaging

Disposal should be in accordance with applicable regional, national and local laws and regulations.

### Section 14 - Transport Information

#### 14.1 UN number:

The Product is not regulated as a dangerous goods for transportation.

#### 14.2 UN proper shipping name:

The Product is not regulated as a dangerous goods for transportation.

#### 14.3 Transport hazard class(es):

The Product is not regulated as a dangerous goods for transportation.

#### 14.4 Packaging group:

The Product is not regulated as a dangerous goods for transportation.

#### 14.5 Environmental hazards:

The Product is not regulated as a dangerous goods for transportation.

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### 14.6 Special precautions for user

The product is not regulated as dangerous goods according to regulation DOT, IMDG, IATA and ADR/RID

## Section 15 - Regulatory Information

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

**REACH Annex XVII components (Restriction List):** No data Available

### 15.2 Chemical safety assessment

No chemical safety assessment has been carried out for this mixture

## Section 16 - Other Information

### Full text of H- and EUH-statements:

H271-May cause fire or explosion; strong oxidizer

H290 - May be corrosive to metals

H302 - Harmful if swallowed

H301-Toxic if swallowed

H310-Fatal in contact with skin

H314-Causes severe skin burns and eye damage

H318-Causes serious eye damage

H319 - Causes serious eye irritation.

H335 - May cause respiratory irritation

H373-May cause damage to organs through prolonged or repeated exposure

H400-Very toxic to aquatic life

### Abbreviations and acronyms:

ADR European agreement concerning the international carriage of dangerous goods by road

BCF Bioconcentration Factor

CAS Chemical Abstracts Service

CLP Regulation (EC) No 1272/2008 on classification, labelling and packaging of substance and mixtures

DNEL Derived no-effect level

EC Identification code for each substance listed in EINECS

EC50 Concentration of a substance when it is affected 50% of the population

EINECS European Inventory of Existing Commercial Chemical Substances

EmS Emergency plan

EU European Union

IATA International Air Transport Association

IBC International Code For The Construction And Equipment of Ships Carrying Dangerous Chemicals

ICAO International Civil Aviation Organization

IMDG International Maritime Dangerous Goods

INCI International Nomenclature of Cosmetic Ingredients

ISO International Organization for Standardization

IUPAC International Union of Pure and Applied Chemistry

LC50 Lethal concentration, 50 percent

LD50 Lethal dose, 50 percent

IC50 Concentration causing 50% blockade

LOAEC Lowest observed adverse effect concentration

LOAEL Lowest observed adverse effect level

NOAEC No observed adverse effect concentration

NOAEL No observed adverse effect level

NOEC No observed effect concentration

NOEL No observed effect level

OEL Occupational Exposure Limits

PNEC Predicted no-effect concentration

PBT Persistent, Bioaccumulative and Toxic

vPvB Very Persistent and very Bioaccumulative

ppm Parts per million

REACH Registration, Evaluation, Authorisation and Restriction of Chemicals

RID Agreement on the transport of dangerous goods by rail

UN United Nations; Four-figure identification number of the substance or article taken from the UN Model Regulations

UVCB Substances of unknown or variable composition, complex reaction products or biological materials

VOC Volatile organic compounds

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WGK Water Hazard Class  
CWA Clean Air Act  
SARA Superfund Amendments and Reauthorization Act  
CAA Clean Air Act  
STOT RE Specific Target Organ Toxicity - Repeated Exposure  
STOT SE Specific Target Organ Toxicity - Single Exposure  
log Kow Octanol-water partition coefficient

**Statement:**

The SDS is prepared based on the information provided by client. The information in this safety data sheet is to the best of our current knowledge true and accurate. It does not represent any guarantee of the properties, data, instructions, recommendations and/or suggestions of the product.

The Employer and User should make their own responsibility for investigations to determine the suitability of the information for their particular purposes. The Company and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product.