



# AQ DISINFECTANT

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 05/06/2015

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

#### 1.1. Product identifier

Product form : Mixture  
Product name : AQ DISINFECTANT  
Product code : 2035

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

Use of the substance/mixture : Disinfectant

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

BETA TECHNOLOGY, INC.  
P.O. Box 218686  
HOUSTON, TX 77218-8686  
T 281-647-9700 - F 281-647-9790

#### 1.4. Emergency telephone number

Emergency number : INFOTRAC 800-535-5053

### SECTION 2: Hazards identification

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

##### GHS-US classification

Skin Irrit. 2 H315  
Eye Irrit. 2A H319

Full text of H-phrases: see section 16

#### 2.2. Label elements

##### GHS-US labelling

Hazard pictograms (GHS-US) :



GHS07

Signal word (GHS-US) : Warning  
Hazard statements (GHS-US) : Causes skin irritation  
Causes serious eye irritation  
Precautionary statements (GHS-US) : Wash hands thoroughly after handling  
Wear eye protection, protective gloves  
If on skin: Wash with plenty of water  
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
Specific treatment (see First Aid measures on this label)  
If skin irritation occurs: Get medical advice/attention  
If eye irritation persists: Get medical advice/attention  
Take off contaminated clothing and wash before reuse

#### 2.3. Other hazards

No additional information available

#### 2.4. Unknown acute toxicity (GHS-US)

Not applicable

### SECTION 3: Composition/information on ingredients

#### 3.1. Substance

Not applicable

#### 3.2. Mixture

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| Name   | Product identifier | %   | GHS-US classification                         |
|--|--------------------|-----|---|
| sodium carbonate                             | (CAS No) 497-19-8  | 3   | Skin Corr. 1A, H314<br>Eye Dam. 1, H318       |
| EDTA; tetrasodium ethylenediaminetetracetate | (CAS No) 64-02-8   | 2.5 | Acute Tox. 4 (Oral), H302<br>Eye Dam. 1, H318 |

Full text of H-phrases: see section 16

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

- First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
- First-aid measures after inhalation : Allow victim to breathe fresh air. Allow the victim to rest.
- First-aid measures after skin contact : Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention. Specific treatment (see First aid measures on this label).
- First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.
- First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

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

- Symptoms/injuries after skin contact : Causes skin irritation.
- Symptoms/injuries after eye contact : Causes serious eye damage.

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

Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

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

- Reactivity : Stable under normal conditions.

#### 5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

### SECTION 6: Accidental release measures

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

##### 6.1.1. For non-emergency personnel

- Emergency procedures : Evacuate unnecessary personnel.

##### 6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

#### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

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

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

#### 6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour.
- Hygiene measures : Wash hands thoroughly after handling.

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

- Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Heat sources.  
Keep container closed when not in use.
- Incompatible products : Strong bases. Strong acids.
- Incompatible materials : Sources of ignition. Direct sunlight.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

| AQ DISINFECTANT  |                |
|--|----------------|
| ACGIH  | Not applicable |
| OSHA   | Not applicable |
| sodium carbonate (497-19-8)                            |                |
| ACGIH  | Not applicable |
| OSHA   | Not applicable |
| EDTA; tetrasodium ethylenediaminetetracetate (64-02-8) |                |
| ACGIH  | Not applicable |
| OSHA   | Not applicable |

### 8.2. Exposure controls

- Personal protective equipment : Safety glasses. Gloves.



- Hand protection : Wear protective gloves.
- Eye protection : Chemical goggles or safety glasses.
- Skin and body protection : Wear suitable protective clothing.
- Respiratory protection : Wear appropriate mask.
- Other information : Do not eat, drink or smoke during use.

## SECTION 9: Physical and chemical properties

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

- Physical state : Liquid
- Colour : Colourless
- Odour : characteristic
- Odour threshold : No data available
- pH : No data available
- Melting point : No data available
- Freezing point : No data available
- Boiling point : No data available
- Flash point : No data available
- Relative evaporation rate (butylacetate=1) : No data available
- Flammability (solid, gas) : No data available
- Explosive limits : No data available
- Explosive properties : No data available
- Oxidising properties : No data available
- Vapour pressure : No data available
- Relative density : No data available
- Relative vapour density at 20 °C : No data available

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|                           |  |
|---------------------------|--|
| Solubility                | : Water: Solubility in water of component(s) of the mixture :<br>• nonylphenoxypoly(ethyleneoxy)ethanol: soluble • sodium carbonate: 22 g/100ml • EDTA;<br>tetrasodium ethylenediaminetetracetate: 103 g/100ml |
| Log Pow                   | : No data available  |
| Log Kow                   | : No data available  |
| Auto-ignition temperature | : No data available  |
| Decomposition temperature | : No data available  |
| Viscosity                 | : No data available  |
| Viscosity, kinematic      | : No data available  |
| Viscosity, dynamic        | : No data available  |

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Stable under normal conditions.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

Not established.

### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

### 10.5. Incompatible materials

Strong acids. Strong bases.

### 10.6. Hazardous decomposition products

Carbon monoxide. Carbon dioxide.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Not classified

| <b>sodium carbonate (497-19-8)</b> |   |
|------------------------------------|---|
| LD50 oral rat                      | 2800 mg/kg (Rat; Experimental value)      |
| LD50 dermal rabbit                 | > 2000 mg/kg (Rabbit; Experimental value) |
| ATE US (oral)                      | 2800.000 mg/kg bodyweight                 |

| <b>EDTA; tetrasodium ethylenediaminetetracetate (64-02-8)</b> |                          |
|---|--------------------------|
| LD50 oral rat   | > 2000 mg/kg (Rat)       |
| ATE US (oral)   | 500.000 mg/kg bodyweight |

|                                   |                                  |
|-----------------------------------|----------------------------------|
| Skin corrosion/irritation         | : Causes skin irritation.        |
| Serious eye damage/irritation     | : Causes serious eye irritation. |
| Respiratory or skin sensitisation | : Not classified                 |
| Germ cell mutagenicity            | : Not classified                 |
| Carcinogenicity                   | : Not classified                 |

|  |                  |
|--|------------------|
| Reproductive toxicity                            | : Not classified |
| Specific target organ toxicity (single exposure) | : Not classified |

|  |                  |
|--|------------------|
| Specific target organ toxicity (repeated exposure) | : Not classified |
|--|------------------|

|                   |                  |
|-------------------|------------------|
| Aspiration hazard | : Not classified |
|-------------------|------------------|

Potential adverse human health effects and symptoms : Based on available data, the classification criteria are not met.

|                                      |                           |
|--------------------------------------|---------------------------|
| Symptoms/injuries after skin contact | : Causes skin irritation. |
|--------------------------------------|---------------------------|

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Symptoms/injuries after eye contact : Causes serious eye damage.

### SECTION 12: Ecological information

#### 12.1. Toxicity

| <b>sodium carbonate (497-19-8)</b> |                                      |
|------------------------------------|--------------------------------------|
| LC50 fish 1                        | 300 mg/l (96 h; Lepomis macrochirus) |
| EC50 Daphnia 1                     | < 424 mg/l (48 h; Daphnia magna)     |
| EC50 other aquatic organisms 1     | 14 mg/l (168 h; Plankton)            |
| LC50 fish 2                        | 740 mg/l (96 h; Gambusia affinis)    |
| EC50 Daphnia 2                     | 265 mg/l (48 h; Daphnia magna)       |
| TLM fish 1                         | 300 ppm (96 h; Lepomis macrochirus)  |
| TLM other aquatic organisms 1      | 500 ppm (96 h; Daphnia magna)        |
| Threshold limit algae 1            | 242 mg/l (5 days; Algae)             |

| <b>EDTA; tetrasodium ethylenediaminetetracetate (64-02-8)</b> |  |
|---|--|
| LC50 fish 1   | 121 mg/l (96 h; Lepomis macrochirus; Soft water)   |
| EC50 Daphnia 1  | 625 mg/l (24 h; Daphnia magna)                     |
| LC50 fish 2   | 374 - 792 mg/l (96 h; Lepomis macrochirus; pH > 7) |
| Threshold limit algae 1                                       | > 100 mg/l (72 h; Scenedesmus subspicatus; Growth) |

#### 12.2. Persistence and degradability

| <b>AQ DISINFECTANT</b>        |                  |
|-------------------------------|------------------|
| Persistence and degradability | Not established. |

| <b>sodium carbonate (497-19-8)</b> |  |
|------------------------------------|--|
| Persistence and degradability      | Biodegradability: not applicable. Low potential for adsorption in soil. Not established. |
| ThOD                               | Not applicable (inorganic)   |

| <b>EDTA; tetrasodium ethylenediaminetetracetate (64-02-8)</b> |  |
|---|--|
| Persistence and degradability                                 | Not readily biodegradable in water. Not established. |
| Biochemical oxygen demand (BOD)                               | < 0.002 g O <sub>2</sub> /g substance                |
| Chemical oxygen demand (COD)                                  | 0.54 - 0.58 g O <sub>2</sub> /g substance            |

#### 12.3. Bioaccumulative potential

| <b>AQ DISINFECTANT</b>    |                  |
|---------------------------|------------------|
| Bioaccumulative potential | Not established. |

| <b>sodium carbonate (497-19-8)</b> |   |
|------------------------------------|---|
| Log Pow                            | -6.19 (Estimated value)   |
| Bioaccumulative potential          | Low potential for bioaccumulation (Log Kow < 4). Not established. |

| <b>EDTA; tetrasodium ethylenediaminetetracetate (64-02-8)</b> |   |
|---|---|
| Log Pow   | -2.6  |
| Bioaccumulative potential                                     | Bioaccumulation: not applicable. Not established. |

#### 12.4. Mobility in soil

No additional information available

#### 12.5. Other adverse effects

Effect on the global warming : No known ecological damage caused by this product.

Other information : Avoid release to the environment.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

Ecology - waste materials : Avoid release to the environment.

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### SECTION 14: Transport information

#### Department of Transportation (DOT)

In accordance with DOT  
Not regulated for transport

#### Additional information

Other information : No supplementary information available.

#### ADR

No additional information available

#### Transport by sea

No additional information available

#### Air transport

No additional information available

### SECTION 15: Regulatory information

#### 15.1. US Federal regulations

##### AQ DISINFECTANT

Not listed on the United States TSCA (Toxic Substances Control Act) inventory

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

This product or mixture does not contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

#### 15.2. International regulations

##### CANADA

No additional information available

##### EU-Regulations

No additional information available

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

No additional information available

##### Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Not classified

##### National regulations

No additional information available

#### 15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer and/or reproductive harm

### SECTION 16: Other information

Other information : None.

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Full text of H-phrases:

|                     |  |
|---------------------|--|
| Acute Tox. 4 (Oral) | Acute toxicity (oral), Category 4              |
| Eye Dam. 1          | Serious eye damage/eye irritation, Category 1  |
| Eye Irrit. 2A       | Serious eye damage/eye irritation, Category 2A |
| Skin Corr. 1A       | Skin corrosion/irritation, Category 1A         |
| Skin Irrit. 2       | Skin corrosion/irritation, Category 2          |
| H302                | Harmful if swallowed                           |
| H314                | Causes severe skin burns and eye damage        |
| H315                | Causes skin irritation                         |
| H318                | Causes serious eye damage                      |
| H319                | Causes serious eye irritation                  |

NFPA health hazard

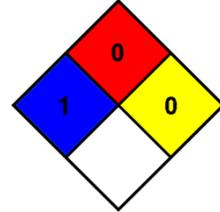
: 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.

NFPA fire hazard

: 0 - Materials that will not burn.

NFPA reactivity

: 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.



HMIS III Rating

Health : 1 Slight Hazard - Irritation or minor reversible injury possible

Flammability : 0 Minimal Hazard - Materials that will not burn

Physical : 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.

Personal Protection

: B

B - Safety glasses, Gloves

SDS US (GHS HazCom 2012)

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