



## Safety Data Sheet

### AQUAOX DISINFECTANT 525

#### SECTION I – IDENTIFICATION

Product Name: Aquaiox Disinfectant 525 | Product Number: AX525  
Product Description: Hypochlorous Acid Solution Generated Electro-Chemically from Diluted Brine  
Container Size: 275 Gallons 30 Gallons  
5 Gallons 1 Gallon  
CAS Number: None (Mixture)  
Recommended Use: This product is a ready-to-use, one-step cleaner and disinfectant for general cleaning and disinfecting on hard, non-porous surfaces.  
Restricted Use: This product is not for human or animal use.  
Manufacturer: Aquaiox LLC  
Address: 220 S. Second Street, Dillsburg, PA 17019  
Number: (800) 790-7520  
Chemtrec Emergency Number: (800)-424-9300

#### SECTION II – HAZARDS IDENTIFICATION

The following values are obtained using the guidelines prepared by the National Fire Protection Association (NFPA) and the American Coatings Association.

| <u>HMIS Rating:</u> | <u>NFPA/HMIS Definitions</u> |
|---------------------|------------------------------|
| • Health = 0        | 0 = Minimal Hazard           |
| • Flammability = 0  | 1 = Slight Hazard            |
| • Physical = 0      | 2 = Moderate Hazard          |
| • Reactivity = 0    | 3 = Serious Hazard           |
|                     | 4 = Severe Hazard            |

Personal Protection Index: B (Eye Protection and Gloves)

#### Hazard Information Disclosures:

TSCA: All chemicals in this product are listed on the EPA TSCA inventory list.  
CERCLA / SARA: This product does not fall under any hazardous categories under SARA Sections 311 and 312.  
OSHA: This product is not a hazardous chemical as defined by the OSHA Hazard Communication Standard, 29 CFR § 1910.1200.

#### Product Label on Hazard Information:

- Avoid Contact with Eyes and Skin
- Wash Hands after Handling Product
- Keep out of Reach of Children

# Safety Data Sheet

## AQUAOX DISINFECTANT 525

### SECTION III – COMPOSITION AND INFORMATION ON INGREDIENTS

| Component(s)        | CAS #     |
|---------------------|-----------|
| Water               | 7732-18-5 |
| Hypochlorous Acid   | 7790-92-3 |
| Sodium Hypochlorite | 7681-52-9 |
| Sodium Chloride     | 7647-14-5 |

The product contains approximately 575ppm free available chlorine (FAC).

### SECTION IV – FIRST-AID MEASURES

**Skin Contact:** In case of contact, flush with plenty of water. Cold water may be used. Wash clothing before reuse. Seek medical attention if skin irritation occurs.

**Eye Contact:** Check for and remove any contact lenses. Flush eyes with running water for at least 15 minutes with eyelids open. Cold water may be used. Seek medical attention if eye irritation occurs.

**Inhalation:** If inhaled, remove to fresh air. Seek medical attention if not breathing or breathing is difficult.

**Ingestion:** If swallowed, rinse mouth with water and drink plenty of fluids. Seek medical attention if discomfort occurs.

### SECTION V – FIRE-FIGHTING MEASURES

Not Applicable, this product is Non-Flammable and Non-Explosive. No extinguishing techniques or equipment are required.

### SECTION VI – ACCIDENTAL RELEASE MEASURES

In case of spill or leakages, dike spill with inert absorbent materials (e.g. sand, "oil-dry" or other commercially spill absorbents) to contain and soak spilled liquid. Place wastes into an appropriate waste disposal container.

### SECTION VII – HANDLING AND STORAGE

**Handling:** No special handling requirements; follow use instructions on product label. Open air or good room ventilation and appropriate PPE are adequate for the safe use of this product.

**Storage:** Keep container tightly closed in a dry and well-ventilated place at room temperature. Avoid direct light exposure, freezing and extreme heat.

# Safety Data Sheet

## AQUAOX DISINFECTANT 525

### SECTION VIII – EXPOSURE CONTROLS AND PERSONAL PROTECTION

OSHA PEL: Unknown.  
Cal/OSHA PEL: Unknown.  
NIOSH REL: Unknown.  
ACGIH TLV: Unknown.

Engineering Control: None Required. Open air or good room ventilation is adequate for the safe use of this product.

#### Personal Protective Equipment (PPE):

Protective Clothing: Wear proper personal protective equipment and clothing to care for spill situation.

Hand Protection: Handle with gloves; use rubber, neoprene, or other chemically impervious gloves when handling this product.

Eye Protection: Wear safety glasses when handling this product.

### SECTION IX – PHYSICAL AND CHEMICAL PROPERTIES

|  |                      |
|--|----------------------|
| Physical State:                                  | Liquid               |
| Color:   | Clear                |
| Odor:  | Slight Chlorine Odor |
| pH:  | 6.2 – 7.0            |
| Specific Gravity (H <sub>2</sub> O = 1 at 20°C): | 1.00 – 1.06          |
| Density:   | 8.34 lbs/gal         |
| Viscosity:                                       | Comparable to Water  |
| Boiling Point:                                   | Comparable to Water  |
| Melting Point / Range:                           | NA                   |
| Evaporation Rate:                                | Comparable to Water  |
| Solubility:                                      | Complete in Water    |
| Flash Point:                                     | NA                   |
| Flammability:                                    | Non-Flammable        |
| Explosive Limits:                                | Non-Explosive        |
| Vapor Pressure (mmHg at 20°C):                   | NA                   |
| Vapor Density:                                   | NA                   |

### SECTION X – STABILITY AND REACTIVITY

|                                   |  |
|-----------------------------------|--|
| Reactivity:                       | Not Reactive under recommended handling and storage conditions.              |
| Chemical Stability:               | Stable under recommended handling and storage conditions.                    |
| Hazardous Reactions:              | Product is Not Hazardous.  |
| Conditions to Avoid:              | Direct light exposure, freezing and extreme heat.                            |
| Materials to Avoid                | Strong oxidizing agents, strong acids and organic materials.                 |
| Hazardous Decomposition Products: | May form under fire conditions; nature of decomposition products is unknown. |
| Hazardous Polymerization          | Will not occur.  |

# Safety Data Sheet

## AQUAOX DISINFECTANT 525

### SECTION XI – TOXICOLOGICAL INFORMATION

Route of Entry / Exposure: Skin Contact  
Eye Contact  
Inhalation  
Ingestion

Potential Acute Health Effects:

Skin Contact: No potential health effects; product is non-hazardous.  
Eye Contact: No potential health effects; product is non-hazardous.  
Inhalation: No potential health effects; product is non-hazardous.  
Ingestion: No potential health effects; product is non-hazardous.

Potential Chronic Health Effects:

Carcinogenic Effects: Not Applicable.  
Mutagenic Effects: Not Applicable.  
Teratogenic Effects: Not Applicable.  
Developmental: Not Applicable.

Numerical Measures of Toxicity: Unknown.

### SECTION XII – ECOLOGICAL INFORMATION

Product presents no hazards to the environment. Product is bio-degradable and eco-friendly.

### SECTION XIII – DISPOSAL CONSIDERATIONS

Follow disposal instructions on product label. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. If these wastes cannot be disposed of according to label instructions, contact State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the EPA Regional Office for guidance.

### SECTION XIV – TRANSPORT INFORMATION

DOT: Not DOT regulated. No DOT label required.  
IATA: Not dangerous good.  
IMDG: Not dangerous good  
OSHA: No label required.

### SECTION XV – REGULATORY INFORMATION

See “Hazard Information Disclosures” under Section II.

# Safety Data Sheet

## AQUAOX DISINFECTANT 525

### SECTION XVI – OTHER INFORMATION

Preparation Date of Latest Revision: March 2, 2016

Disclaimer:

This Safety Data Sheet (SDS) was prepared in accordance with the provisions and requirements of 29 CFR § 1910.1200(g) and discloses the physical and health hazards of all hazardous chemicals contained in the product described in this SDS. Unless otherwise noted, this SDS does not describe or disclose all of the chemicals/components in the product, some of which may be Trade Secrets.

The information included in this SDS is based on data developed or compiled by Aquaiox from open literature, independent laboratory studies, and other available scientific evidence, and is believed to be accurate and complete to the best of our knowledge. However, Aquaiox makes no warranty with respect thereto. Anyone intending to use the product described in this SDS should satisfy herself that the Product (1) is suitable for their particular purposes and intended uses, and (2) meets any safety and health standards applicable thereto. It is the obligation of each user of the product described in this SDS to determine and comply with all statutes, local, state and federal requirements, which are applicable to its use, storage and disposal.

Abbreviations:

|             |   |
|-------------|---|
| ACGIH:      | American Conference of Industrial Hygienists                        |
| CAL/OSHA:   | California Division of Occupational Safety and Health               |
| CAS Number: | Chemical Abstracts Service Register Number                          |
| CERCLA:     | Comprehensive Environmental Response Compensation and Liability Act |
| DOT:        | Department of Transportation  |
| EPA:        | Environmental Protection Agency                                     |
| GRAS:       | Generally Recognized as Safe  |
| HMIS:       | Hazardous Materials Identification System                           |
| IATA:       | International Air Transport Association                             |
| IMDG:       | International Maritime Dangerous Goods                              |
| NA:         | Not Applicable  |
| NIOSH:      | National Institute for Occupational Safety and Health               |
| OSHA:       | Occupational Safety and Health Administration                       |
| PEL:        | Permissible Exposure Limits   |
| REL:        | Recommended Exposure Limits   |
| SARA:       | Superfund Amendment and Reauthorization Act of 1986                 |
| TLV:        | Threshold Limit Values  |
| TSCA:       | Toxic Substances Control Act of 1976                                |