



## Safety Data Sheet AQUAOX DISINFECTANT 5000

### SECTION I – IDENTIFICATION

Product Name: Aquaiox Disinfectant 5000 | Product Number: AX5000  
Product Description: Mixed Oxidant Water, 0.4 – 0.5% 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 an NSF60 certified liquid oxidant for use in all water systems including drinking water systems to restore chlorine residuals and remove reaction by-products. The maximum use limit for water treatment is 1510ppm (0.15%).  
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 = 1	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 EPATSCA 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.

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Product Label on Hazard Information:



**WARNING**  
Harmful if Ingested  
Irritant (Skin and Eye)  
Cause Irritation to Mucous Membranes and Respiratory  
Tract if Prolonged or Repeated Inhalation

**Handle with Gloves and Safety Glasses**  
**Wash Hands after Handling Product**  
**Keep out of Reach of Children**

### 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 5000ppm 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.

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### 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 light exposure, freezing and heat.

### 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. Product can bleach clothing, equipment and furniture.

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:	8.0 – 9.5
Specific Gravity (H <sub>2</sub> O = 1 at 20°C):	1.06 – 1.08
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 @ 20°C):	NA
Vapor Density:	NA

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### 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 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.

### SECTION XI – TOXICOLOGICAL INFORMATION

<u>Route of Entry / Exposure:</u>	Skin Contact
	Eye Contact
	Inhalation
	Ingestion

#### Potential Acute Health Effects:

Skin Contact:	Depending on the degree of unprotected contact and individual sensitivity with the product, skin contact may cause irritation, redness, rash and itchiness.
Eye Contact:	Depending on the duration and individual sensitivity with the product, unprotected eye contact may cause moderate eye irritation, pain, redness, watering and itchiness.
Inhalation:	Excessive, prolonged or repeated inhalation may cause irritation to mucous membranes and upper respiratory tract.
Ingestion:	This product may be harmful if ingested. Depending on the amount swallowed, ingestion may cause irritation to mouth, throat, stomach and gastrointestinal tract.

#### 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

Dispose of in accordance with all applicable Federal, State and Local regulations. Always contact a licensed disposal company to assure compliance.

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### 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.

### SECTION XVI – OTHER INFORMATION

Preparation Date of Latest Revision: May 15, 2015

#### 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