



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

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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.

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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):

Respiratory Protection: Not necessary as long as there is adequate ventilation.
Protective Clothing: Not required under normal conditions of use.
Hand Protection: Not required under normal conditions of use.
Eye Protection: Not necessary, but good manufacturing practice recommends the use of chemical safety glasses or goggles for all applications involving chemical handling.

SECTION IX – PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Color:	Clear
Odor:	Slight Chlorine Odor
pH:	6.2 – 7.0
Specific Gravity (H ₂ 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.

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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.

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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