



# Safety Data Sheet

## MicroShield 360 Pure HOCL

### SECTION I – IDENTIFICATION

Product Name: MicroShield 360 Pure HOCL | Product Number: MS HOCL  
Product Description: Hypochlorous Acid Solution Generated Electro-Chemically from Diluted Brine  
Container: 2 oz 4 oz 16 oz 1 gallon 15 gallon 55 gallon 330 gallon  
3.5 oz 8 oz 32 oz 5 gallon 30 gallon 275 gallon 660 gallon  
CAS Number: None (Mixture)  
Recommended Use: This product is a ready-to-use, one-step cleaner and deodorizer for general cleaning on hard, non-porous surfaces.  
Restricted Use: This product is not for human or animal use.  
Manufacturer: MicroShield 360 LLC  
Address: 4700 Rockside Rd, Independence, OH 44131, USA  
Number: (800) 686-4360  
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.

#### HMIS Rating:

- Health = 0
- Flammability = 0
- Physical = 0
- Reactivity = 0

#### NFPA/HMIS Definitions

- 0 = Minimal Hazard
- 1 = Slight Hazard
- 2 = Moderate Hazard
- 3 = Serious Hazard
- 4 = Severe Hazard

#### 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:

- 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
Hypochlorite Ion	7681-52-9
Sodium Chloride	7647-14-5

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

### SECTION IV – FIRST-AID MEASURES

Not Applicable. This product has no precautionary First Aid measurements.

### 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.

### 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 under normal conditions of use.

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### 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:	8.34lbs/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.

### SECTION XI – TOXICOLOGICAL INFORMATION

<u>Route of Entry / Exposure:</u>	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

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### 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.  
NMFL code: 57104  
HS code: 3808500

### SECTION XV – REGULATORY INFORMATION

See "Hazard Information Disclosures" under Section II.

### SECTION XVI – OTHER INFORMATION

Preparation Date of Latest Revision: March 1, 2021

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 AQUAOX™ 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, AQUAOX™ 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.

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### 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