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Version 1

## 1. PRODUCT IDENTITY

### Product Identifier

**Product Name** Paerolyte  
**Product Type** Aqueous dilute mixed reductants  
**Common Name** Electrochemically activated water containing 0.046% HOCL

### Other means of identification

**SDS #** Paerolyte-001  
**EPA REG. NO.** 93908-1-98686  
**Product sizes**  
**UPC Code** Paerolyte 16oz, 32 oz., 64 oz., 128 oz., 55 gal, 275 gal, & bulk

**Synonyms** Disinfectant, Sanitizer

### Recommended use of the chemical and restrictions on use

**Recommended Use** For Disinfecting Hard Surfaces and Sanitizing food prep areas

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

#### **Supplier Address**

Paerolyte LLC  
875 Walt Miller Street, Suite A1  
Mount Pleasant, SC 29464

#### **Emergency Telephone Number**

**Company Phone Number** 1-843-535-0500  
**Emergency Telephone (24 hr)** 1-800-858-7378

## 2. HAZARDS IDENTIFICATION

**Appearance** Clear Liquid      **Physical State** Liquid      **Odor** Faint chlorine odor

### Classification

This product does not meet the hazardous criteria set forth by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200). However, this Safety Data Sheet (SDS) contains valuable information critical to the safe handling and proper use of this product. This SDS should be retained and available for employees and other users of this product.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENTS:	CAS #	EINECS #	ICSC #	WT %	HAZARD CLASSIFICATION;RISK PHRASES
Water	7732-18-5	231-791-2	Not Listed	99.5%	HAZARD CLASSIFICATION: None RISK PHRASES: None
Sodium Chloride	7647-14-5	231-598-3	Not Listed	0.450%	HAZARD CLASSIFICATION: None RISK PHRASES: None
Hypochlorous Acid/Sodium Hypochlorite	7790-92-3	232-232-5	Not Listed	0.046%	HAZARD CLASSIFICATION: None RISK PHRASES: None

### 4. FIRST AID MEASURES

#### First Aid Measures

<b>Eye Contact</b>	If irritation occurs, flush eyes with water.
<b>Skin Contact</b>	If irritation occurs, wash affected area with water.
<b>Inhalation</b>	If breathing problems develop, move away from product and into fresh air.
<b>Ingestion</b>	Drink an 8 oz. glass of water.

#### Most important symptoms and effects

**Symptoms** Under normal use conditions the likelihood of any adverse health effect is low. Inhalation of product vapors or fumes is the most common route of exposure in occupational settings.

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

**Notes to Physician** None Applicable but treat symptomatically

### 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media** Product is not flammable or explosive- not applicable.

**Unsuitable Extinguishing Media** Product is not flammable or explosive- not applicable.

**Specific Hazards Arising from the Chemical** Not Determined

**Protective equipment and precautions for firefighters**

None needed as product is not flammable or explosive.

### 6. ACCIDENTAL RELEASE MEASURES

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

**Personal Precautions** No personal protective equipment is required under normal conditions.

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

**Methods for Containment and Methods for Clean-up** Product is  $\leq 0.9\%$  sodium chloride (salt) solution and  $\leq 0.05\%$  free available chlorine. Some localities allow such concentrations to be sent to open storm sewers. However, local environmental regulatory requirements should be followed. If desired, spills can be washed to sewer with plenty of water, or neutralized using sodium sulfite or sodium thiosulfate.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

Handling concentrated product:	None
Handling or applying diluted product:	None
Leaks and Spills:	Leaks and spills can be removed by ordinary water.
Waste disposal:	Can be disposed of in municipal drains without adverse effects after use. Local environmental regulatory requirements should be followed.

### Conditions for safe storage, including any incompatibilities

<b>Storage Conditions</b>	Keep containers tightly closed in a dry, cool and well ventilated place.
<b>Incompatible Materials</b>	Acids and Hydrogen Peroxide

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure Guidelines** This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

### Appropriated engineering controls

**Engineering Controls** Under normal conditions, none is required. Provide general and/or local exhaust ventilation to maintain a comfortable environment during showers, and at eyewash stations.

### Individual protection measures, such as personal protective equipment

<b>Eye/Face Protection</b>	Under normal conditions, not required.
<b>Skin and Body Protection</b>	None required under normal use.
<b>Respiratory Protection</b>	Not required under normal use conditions.
<b>General Hygiene Considerations</b>	Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

<b>Physical State</b>	Liquid		
<b>Appearance</b>	Homogeneous clear, Liquid	<b>Odor</b>	Faint chlorine ozone odor
<b>Color</b>	Clear	<b>Odor Threshold</b>	Not determined
<b>Property</b>	<b>Values</b>	<b>Remarks – Method</b>	
<b>pH</b>	6.1 – 6.8		
<b>Melting Point/Freezing Point</b>	0° C / 32° F		
<b>Boiling Point/Boiling Range</b>	100° C / 212° F		
<b>Flash Point</b>	Non-flammable		
<b>Evaporation Rate</b>	0.3	Comparable to water	
<b>Flammability (Solid, Gas)</b>	Liquid-Not applicable		
<b>Upper Flammability Limits</b>	Not Determined		
<b>Lower Flammability Limit</b>	Not Determined		
<b>Vapor Pressure</b>	Not Determined		
<b>Vapor Density</b>	Not Available		
<b>Specific Gravity</b>	1.02 - 1.06 g/ml		
<b>Water Solubility</b>	100% soluble		

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<u>Property</u>	<u>Values</u>	<u>Remarks – Method</u>
Solubility in other solvents	Not determined	
Partition Coefficient	Not determined	
Auto-ignition Temperature	Not determined	
Decomposition Temperature	Not determined	
Kinematic Viscosity	Not determined	
Dynamic Viscosity	Not determined	
Explosive Properties	Not considered to be an explosive hazard	
Oxidizing Properties	Not determined	
Taste	Mild saline/soapy	

## 10. STABILITY AND REACTIVITY

**Reactivity** Reactive to acid products and hydrogen peroxide.

**Chemical Stability** Aqueous solution containing metastable reductants which lose activity immediately on encountering reactants or during approximately 24 hours in storage. No hazardous reactions known when used for its intended purposes.

### **Possibility of Hazardous Reactions**

**Hazardous Polymerization** Will not undergo hazardous polymerization.

**Conditions to Avoid** Avoid accidental contact of product with acids and hydrogen peroxide.

**Incompatible Materials** Acids and Hydrogen Peroxide.

**Hazardous Decomposition Products** Deactivates to the quality of its starting source water plus its added Sodium Chloride of 3000ppm plus Sodium Hydroxide of 400ppm formed in process.

## 11. TOXICOLOGICAL INFORMATION

### **Information on likely routes of exposure**

<b>Eye Contact</b>	Avoid contact with eyes.
<b>Skin Contact</b>	Not expected to be a skin irritant during labeled use.
<b>Inhalation</b>	If breathing problems develop, move away from product and into fresh air.
<b>Ingestion</b>	Do not ingest.

### **Component Information**

<b>Chemical Name</b>	<b>Oral LD50</b>	<b>Dermal LD50</b>	<b>Inhalation LC50</b>
Water 7732-18-5 ≥ 99%	1.26- 2.0 g/kg (Rat)	1.26- 2.0 g/kg (Rat)	Not Applicable
Hypochlorous Acid 7790-92-3 ≤ 0.05%	Note: Chlorine levels	Note: Chlorine levels	

### **Information on physical, chemical and toxicological effects**

**Symptoms** Please see Section 4 of this SDS for symptoms.

### **Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Carcinogenicity** Based on information provided, this product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

**Numerical measures of toxicity** Not determined

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

The product is not classified as environmentally hazardous.

### Component Information

Chemical Name	Algae/aquatic plants	Fish	Toxicity to Microorganisms	Crustacea
Water 7732-18-5 ≥ 99%	None	None	None	None
Hypochlorous Acid 7790-92-3 ≤ 0.05%				

**Persistence/Degradability** Shelf life up to 30 days if stored between 5 and 35°C

**Bioaccumulation** Not determined

**Mobility** Not determined

**Other Adverse Effects** Not determined

## 13. DISPOSAL CONSIDERATIONS

### Waste Treatment Methods

**Disposal of Wastes** Product is ≤0.9% sodium chloride (salt) solution and ≤0.05% free available chlorine. Some localities allow such concentrations to be sent to open storm sewers. However, local environmental regulatory requirements should be followed. If desired, spills can be washed to sewer with plenty of water, or neutralized using sodium sulfite or sodium thiosulfate.

**Contaminated Packaging** Disposal should be in accordance with applicable regional, national and local laws and regulation.

## 14. TRANSPORT INFORMATION

**Note** Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

**DOT** Not regulated

**IATA** Not regulated

**IMDG** Not regulated

## 15. REGULATORY INFORMATION

**International Inventories** All ingredients are listed or exempt from listing on Chemical Substance Inventory.

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemical and Chemical Substances

AICS - Australian Inventory of Chemical Substances

**US Federal Regulations**

**CERCLA**

This material does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of Code of Federal Regulations (CFR), Part 372.

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

**US State Regulations**

This product follows all regulations as required by the states in which it is marketed

**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations**

This product does not contain any substances regulated under applicable state right-to-know regulations.

**16. OTHER INFORMATION**

<b><u>NFPA</u></b>	<b>Health Hazards</b> 0	<b>Flammability</b> 0	<b>Instability</b> 0	<b>Special Hazards</b> Not Determined
<b><u>HMIS</u></b>	<b>Health Hazards</b> Not Determined	<b>Flammability</b> Not Determined	<b>Physical Hazards</b> Not Determined	<b>Special Hazards</b> Not Determined

**Issue Date:** 27-May-2020

**Revision Date:** NA

**Revision Note:**

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process unless specified in the text.