



Safety Data Sheet

Pure&Clean Disinfectant/Sanitizer

EPA Reg. # 92108-1-88098

Issue Date: February-2020

Version 3

1. IDENTIFICATION

Product Name: Pure&Clean Disinfectant/Sanitizer

Synonyms: Surface Disinfectant, Surface Sanitizing Solution

Product Code	Product Description	UPC
1DG	Pure&Clean Disinfectant/Sanitizer Gallon	852421007126
1DQ	Pure&Clean Disinfectant/Sanitizer Quart	852421007119

Recommended Use: To Clean and Disinfect and Deodorize Hard, Non-Porous Surfaces and Sanitizing food prep areas

Supplier: Pure & Clean, LLC

Address: 1083 W Kathryn Street, Suite 1, Nixa, MO 65714, USA

Website: www.pureandclean.us

Emergency Contact: +1-800-222-1222

2. HAZARDS IDENTIFICATION

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

Classification: This product does not meet the hazardous criteria set forth by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200). However, the 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

This product contains no substances which, at its given concentration, are considered hazardous to health. Additional component information is available in subsequent sections of this SDS.

Active Ingredients	Approximate Concentration w/v%	CAS#	EINECS #
Hypochlorous Acid (HOCl)	0.046%	7790-92-3	232-232-5
Electrolyzed Oxygenated Water (H ₂ O)	99.954%	7732-18-5	231-791-2

4. FIRST AID MEASURES

Inhalation – none required. If discomfort occurs, remove from further exposure and into fresh air.

Skin Contact - none required. If irritation occurs, wash affected area with water.

Eye Contact - none required. If irritation occurs, flush eyes with water.

Ingestion - none required. If discomfort occurs, drink an 8 oz. glass of water.

Symptoms: Under normal use conditions the likelihood of any adverse health effects is low.

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: None known.

Protective equipment and precautions for firefighters: None needed as product is not flammable or explosive.

6. ACCIDENTAL RELEASE MEASURES

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

Methods for Containment and Methods for Clean-up: Product is $\leq 0.9\%$ sodium chloride (salt) solution and $\leq 0.05\%$ 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

Handling Precautions: None.

Storage Conditions: Store away from direct sunlight. Do not freeze.

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.

Eye/Face Protection: Not required under normal conditions. Use safety glasses, if desired.

Skin and Body Protection: Not required with normal use. Use gloves, if desired.

Respiratory Protection: Adequate ventilation. Personal respiratory protection is not required. Do not breathe vapor.

General Hygiene Considerations: Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid

Odor: Faint chlorine ozone odor

Appearance: Clear Liquid

Odor Threshold: Not determined

Color: Clear

Property	Value
pH	5.6 – 6.7
Melting Point/Freezing Point	0°C/32°F
Boiling Point/Boiling Range	100°C/212°F
Flash Point	Non-flammable
Evaporation Rate	0.3
Flammability (Solid, Gas)	Not applicable
Upper Flammability limits	Not Determined
Lower Flammability limits	Not Determined
Vapor Pressure	Not Determined
Vapor Density	Not available
Specific Gravity	1.06 g/ml or 8.34 lbs/gal
Water Solubility	100% soluble
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

10. STABILITY AND REACTIVITY

Reactivity: Reactive to acid products and hydrogen peroxide.
Chemical Stability: Stable under recommended storage conditions.
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: None known.

11. TOXICOLOGICAL INFORMATION

Symptoms Please see Section 4 of this SDS for symptoms.
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

Chemical Name	Oral LD50	Dermal LD50	Inhalation LD50
Water 7732-18-5 $\geq 99\%$ Hypochlorous Acid 7790-92-3 $\leq 0.046\%$	1.26 – 2.0 g/kg (Rat) Note: Chlorine levels	1.26 – 2.0 g/kg (Rat) Note: Chlorine levels	Not Applicable

Likely routes of exposure: Eye Contact, Skin Contact, Inhalation, Ingestion

12. ECOLOGICAL INFORMATION

Ecotoxicity: The product is not classified as environmentally hazardous.

Chemical Name	Algae/aquatic plants	Fish	Toxicity to Microorganisms	Crustacea
Water 7732-18-5 $\geq 99\%$ Hypochlorous Acid 7790-92-3 $\leq 0.046\%$	None	None	None	None

Persistence/Degradability: None
Bioaccumulation: Not determined
Mobility: Not determined
Other Adverse Effects: Not determined

13. DISPOSAL CONSIDERATIONS

Method of Waste Disposal: This product, in its present state, is not classified as hazardous waste (Federal regulations 40CFR 261.4 (b)(4)).
Waste from residues/unused products: Can be landfilled, when in compliance with local regulations.
Contaminated Containers: Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. TRANSPORT INFORMATION

Product Label: Pure&Clean Disinfectant/Sanitizer
D.O.T. Shipping Name: Surface Disinfectant Solution
D.O.T.: Not Regulated as Dangerous Goods
IMDG: Not Regulated as Dangerous Goods
IATA: Not Regulated as Dangerous Goods
Package class: Not Regulated as Dangerous Goods
Technical shipping Name: Surface disinfectant solution

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 as supplied, 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, 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

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

Issue Date: Feb-2020

NFPA

Health Hazards	Flammability	Instability	Special Hazards
0	0	0	Not Determined

HMIS

Health Hazards	Flammability	Physical Hazards	Special Hazards
Not Determined	Not Determined	Not Determined	Not Determined

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.

End of Safety Data Sheet