

EcoloxTech

Electrolyzed Water for the Home

Generate All-Natural Disinfectant or Degreaser



Safe. Natural. Effective.

954 900 6070 | info@ecoloxtech.com | www.ecoloxtech.com



What is the Eco One?

The Eco One is a portable home unit that can generate one liter of electrolyzed water in as little as five minutes.

What is Electrolyzed Water?

Electrolyzed water is an all-natural, non-toxic, and non-hazardous solution that can be used for disinfecting or degreasing. As a disinfectant, it is 100 times more powerful than chlorine bleach. As a cleaner and degreaser, it can effectively dissolve water-insoluble substances.

How does it work?

To make an all-natural disinfectant, only two ingredients are necessary, table salt and water. The Eco One is filled with water up to the 1 liter mark. A one gram measuring spoon is used to add 1-2 grams of table salt to the water. After powering on the unit and waiting for approximately 5 minutes, the electrolyzed disinfecting water will be generated.

Similarly, an all-natural cleaner and degreaser can be generated by substituting table salt for potassium carbonate.



Bacteria and Yeast	> 5 log reduction	
	30 ppm	50 ppm
Bacillus subtilis	< 4 min	< 30 s
Campylobacter spp.	< 30 s	< 30 s
Candida albicans	< 30 s	< 30 s
Clostridium perfringens	< 4 min	< 30 s
Escherichia coli O157:H7	< 30 s	< 30 s
Enterococcus faecalis	< 30 s	< 30 s
Enterobacter cloacae	< 30 s	< 30 s
Legionella pneumophila	< 30 s	< 30 s
Listeria monocytogenes	< 30 s	< 30 s
Pseudomonas aeruginosa	< 30 s	< 30 s
Salmonella enteritidis	< 30 s	< 30 s
Staphylococcus aureus	< 30 s	< 30 s
MRSA	< 30 s	< 30 s
Strep. pneumoniae	< 30 s	< 30 s
Viral Pathogen	> 3 log reduction	
	50 ppm	200 ppm
Norovirus (Norwalk virus)	< 5 min	< 1 min
Sources:		
J of Food Protection 2006 Sep;69(9):2143-50.		
Int J Food Microbiology 2002 Jan 30;72(1-2):77-83.		
Korea J of Nosocomial Infection Control, 1998 May;3(1)		
App. and Environ. Microbiology, 2007 July;73(14): 4463-4468		

There are numerous publications validating the effectiveness of electrolyzed water as a disinfectant. It has consistently been proven to lower the colony count of microbial pathogens and spoilage organisms by 5 to 7 log.

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Uses in the Home

Kitchen & Dining

As a disinfectant, electrolyzed water can replace nearly all store-bought chemicals for disinfecting food contact surfaces in the kitchen and dining room such as countertops and tables, stoves, refrigerators, freezers, cutting boards, utensils, pots and pans, and kitchenware. In addition to food contact surfaces, electrolyzed water is safe on food and can be used for disinfecting raw produce, meat, and poultry.

As a cleaner and degreaser, electrolyzed water has powerful dissolving properties for removing oil and grease from ovens, microwaves, countertops, and inside refrigerators and freezers.



Laundry

Electrolyzed water is more effective than bleach for disinfecting laundry and does not cause pitting or discoloration of fabrics.



Bathrooms

Electrolyzed water can replace nearly all store-bought disinfectants for sinks, toilets, bathtubs, showers, and floors. Electrolyzed water is also safe for disinfecting personal care items such as toothbrushes, shavers, clippers, and more.



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Safety Benefits and Savings

Hand Sanitation

Electrolyzed water is non-irritant to skin. It is effective against killing most microbial pathogens in less than 30 seconds. Using electrolyzed water on hands is safe and effective.



Children's Rooms and Toys

Electrolyzed water leaves no toxic residues and is safe for use around children. It can be used to clean contact surfaces in rooms, in play areas, and on children's toys.



Going Green

Electrolyzed water can replace most household chemicals. Removing toxic chemicals from the home eliminates the risk of safety hazards for children and reduces the disposal of hazardous products into the environment.



Saving Money

The average household spends over \$500 a year on cleaning and disinfecting supplies. For just \$2 worth of table salt bought at the supermarket, the Eco One can generate nearly 65 gallons of electrolyzed water for disinfection.

