

ELECTROLYZED WATER

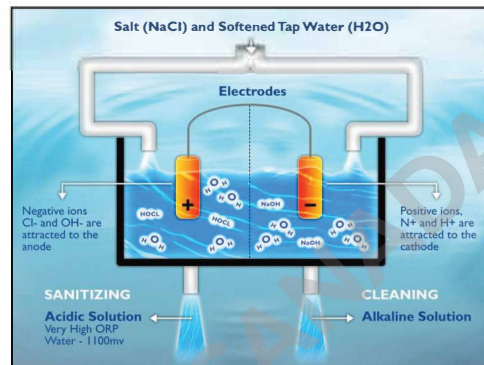
Hypochlorous Acid Disinfectant

Common Names:

1. NEW - Neutral Electrolyzed Water
2. EOW - Electrolyzed Oxidizing Water
3. ECA - Electro-Chemically Activated Water
4. SOW - Super-Oxidized Water
5. Anolyte

SAFE AROUND™

MARINE, PLANT, HUMAN AND ANIMAL LIFE



CONTACT KILL TIMES - HARD SURFACES

BACTERIA	*KILL TIME (min)	% INACTIVATION
<i>Aeromonas hydrophila</i>	1	99.99%
<i>Acinetobacter baumannii</i> ATCC 19606	1	99.99%
<i>Alicyclobacillus acidoterrestris</i> spores	5	99.99%
<i>Bacillus subtilis</i>	1	99.99%
<i>Campylobacter jejuni</i> ³	2	99~99.9%
<i>Escherichia coli</i> ⁴	<0.5	99.99%
<i>E. coli</i> (entero-hemorrhagic) ⁴	<0.5	98.99~99.99%
<i>E. coli</i> ATCC 25922	1	99.99%
<i>Escherichia coli</i> O157:H7	<1	99.99%
<i>Escherichia coli</i> New Delhi Metallo-Beta Lactamase-1 (NDM-1)	<1	99.99%
<i>Enterobacter aerogenes</i>	<1	99.99%
<i>Enterococcus faecalis</i> ATCC 29212	1	99.99%
<i>Erwinia carotovora</i>	1	99.99%
<i>Klebsiella oxytoca</i>	<1	99.99%
<i>Klebsiella pneumoniae</i> ATCC 254988	1	99.99%
<i>Klebsiella pneumoniae</i> New Delhi Metallo-Beta Lactamase-1 (NDM-1)	<1	99.99%
<i>Klebsiella pneumoniae</i>	1	99.99%
<i>Klebsiella pneumoniae</i> (multidrug-resistant)	<1	99.99%
<i>Klebsiella oxytoca</i>	<1	99.99%

BACTERIA	*KILL TIME (min)	% INACTIVATION
Klebsiella pneumoniae ATCC 254988	1	99.99%
Listeria monocytogenes	1	99.99%
Listeria innocua	1	99.99%
Mycobacterium tuberculosis (TB)	5~7	99.99%
Myroides spp.	1	99.99%
Pseudomonas aeruginosa ATCC 27853	1	99.99%
Salmonella enterica	1	99.99%
Salmonella typhi ⁵	20	99.2%
Shigella dysenteriae ⁵	<1	99.9%
Shigella sonnei ⁶	1	99%
S.Typhimurium	10	99.99%
Staphylococcus aureus ATCC 29213	1	99.99%
Staphylococcus aureus (methicillin-resistant) (MRSA) (ATCC 33591)	1	99.99%
Stenotrophomonas maltophilia	<1	99.99%
Streptococcus pneumoniae (penicillin-resistant)	<1	99.99%
Streptococcus pyogenes	<1	99.99%
S.Typhimurium	10	99.99%
Vancomycin resistant Enterococcus faecium	1	99.99%
Vibrio cholerae (smooth strain) ⁷	<1	99.99%
Vibrio cholerae (rugose strain) ⁷	20	99.99%
Vibrio vulnificus	1	99.99%
V.parahaemolyticus	1	99.99%
Yersinia enterocolitica ⁸	>30	82~92%
VIRUS	*KILL TIME (min)	% INACTIVATION
Adenoviruses ¹¹	4.41	99.999%
Coxsackie A ⁹	0.3	99%
Coxsackie B ⁹	4.5	99%
Echovirus ⁹	1.8	99%
Hepatitis A ¹⁰	<1	99.99%
Herpes Simplex	<10	99.99%
Influenza A H1N1	<10	99.99%
Influenza A H1N1 Pandemic	<10	99.96%
Influenza A H3N2	<10	99.99%
Influenza B	<10	99.99%
Influenza A H5N1	<10	99.99%
Noroviruses ¹¹	0.07	99.99%
Poliovirus ¹¹	12.72	99.99%
Rotavirus ¹²	0.25	99.99%
Human Coronavirus (HCoV) 229E	<2	99.999%
PROTOZOA	*KILL TIME (min)	% INACTIVATION
Entamoeba histolytica ¹³	10	99%
Cryptosporidium parvum ¹⁶	90	99.99%
Giardia intestinalis ¹⁴	10	99.99%

MOLD	*KILL TIME (min)	% INACTIVATION
A. Flavus	<1	99.99%
A. Fumigatus	<1	99.99%
A. Niger	<1	99.99%
YEAST	*KILL TIME (min)	% INACTIVATION
C. Albicans	<1	99.99%
C. Gaibrata	<1	99.99%
C. Krusei	<1	99.99%
C. Lusitaniae	<1	99.99%
C. Parapsilosis	<1	99.99%
C. Tropicalis	<1	99.99%
Trichosporon ssp.	<1	99.99%
FUNGI	*KILL TIME (min)	% INACTIVATION
Botrytis cinerea	10	99.99%
Monilinia fructicola	10	99.99%

*500 ppm @ dilution rates 1:1~1:5

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