

PRODUCT USES

Envirolyte is a powerful hospital-grade disinfectant based on hypochlorous acid with a neutral pH capable of eliminating bacteria, viruses and fungi. It can be used in hospitals, restaurants, kitchens, institutional, hospitality, transport vehicles, veterinary centers, health care centers, residential, among others.

OPERATOR BENEFITS

- Envirolyte is generated through the electrochemical activation process with just water, salt and electricity.
- Disinfectant solution with neutral pH and free chlorine concentration of 500 ppm
- On-site production on demand.
- Non-toxic, corrosive or dangerous to the user or surfaces.

DIRECTIONS FOR USE

To disinfect hard non-porous surfaces: in case of visible dirt, pre-clean the area that you want to disinfect. Apply the concentrated product (500 ppm) on a cloth, disposable paper or directly on the hard non-porous surface and leave for at least 10 minutes. Let dry in a way natural. For surfaces in contact with food it is necessary to rinse with potable water after disinfect (Refer to the table "list of contact times for microorganisms").

To sanitize hard non-food contact surfaces: dilute product to a concentration of 200ppm (measure using free chlorine test strips). Pre-clean the surface. Apply the product on a cloth, disposable paper or directly on the surface and make sure it is completely wet and leave it to act for at least 2 minutes. Let dry naturally. No need to rinse.

To sanitize hard surfaces in contact with food: dilute the product to a concentration of 200ppm (measure using free chlorine test strips). Pre-clean the surface. Apply the product with a spray directly on the surface, using a cloth, disposable paper or submerge the utensils. Contact time should be at least 1 minute. Let dry naturally. No need to rinse.

For hand washing and disinfection: dilute the product to a concentration of 100ppm (if necessary measure using free chlorine test strips). First remove any visible dirt from the hands. Change the solution when it loses concentration or is visibly dirty.

For disinfection of fruits and vegetables: pre-clean fruits and vegetables using a food-grade detergent and then rinse with water. Finally, disinfect using Envirolyte at a concentration of 50 ppm. Minimum contact time: 2 minutes. Rinse with drinking water.

For more information on these or other application methods, refer to the product label. This information has been extracted from the official document EPA reg. 93908-1 dated May 27, 2020.

LIST OF CONTACT TIMES FOR MICROORGANISMS

BACTERIA	Contact time
<i>Bordetella bronchiseptica</i> [Kennel Cough] (ATCC 10580).	10 minutes
<i>Clostridium difficile</i> – spore (C. Diff or C difficile) (spores) (ATCC 43598)	10 minutes
<i>Escherichia coli</i> (E coli) (ATCC 11229)	10 minutes
<i>Klebsiella pneumonia</i> New Delhi Metallo-Beta Lactamase (NDM-1) Carbapenem Resistant CRE ((<i>Klebsiella</i> (NDM-1) (CRE)) (KPC) (Carbapenem-Resistant <i>Klebsiella pneumonia</i>) (CRKP), CDC 10002	10 minutes
<i>Listeria monocytogenes</i> (<i>Listeria</i>) (ATCC 7644)	10 minutes
Methicillin-Resistant <i>Staphylococcus aureus</i> (MRSA) (ATCC 33591)	10 minutes
<i>Pseudomonas aeruginosa</i> (<i>Pseudomonas</i>) (ATCC 15442)	10 minutes
<i>Salmonella enterica</i> (<i>Salmonella</i>) (ATCC 10708)	10 minutes
<i>Staphylococcus aureus</i> (<i>Staph</i>) (ATCC 6538)	10 minutes
Vancomycin Resistant <i>Enterococcus faecalis</i> (VRE) (ATCC 51229)	10 minutes



MYCOBACTERIUM	Contact time
Mycobacterium bovis, BCG (Tuberculosis – or – TB)	10 minutes
PARVOVIRUSES NON ENVELOPED *	Contact time
Canine parvovirus (ATCC VR-2016) [(Strain Cornell)]	10 minutes
VIRUSES NON ENVELOPED *	Contact time
Adenovirus (1 or Type 1) (Strain 71) (ATCC VR-1)	10 minutes
Norovirus or Norwalk Virus (as Feline Calicivirus) (Strain F-9) (ATCC VR-782)	10 minutes
Rhinovirus (16 or Type 16) (Strain 11757) (ATCC VR-283) [(((leading causative agent of) the common cold)))]	10 minutes
Rotavirus (A or Group A) (Strain WA) (ATCC VR-2018) [((the virus that) causes diarrhea)]	10 minutes
VIRUSES ENVELOPED *	Contact time
Canine distemper (ATCC VR-1587) [(Strain Snyder Hill)]	10 minutes
[Human] Hepatitis C [Virus] [(as bovine diarrhea virus)] [(HCV)] [(Strain ADL)] [(ATCC VR-1422)]	2 minutes
Human Immunodeficiency Virus Type 1 (HIV-1), strain III B (clade B); ZeptoMetrix	10 minutes
Influenza A (H1N1) [(Strain A/Virginia/ATCC1/2009)] [(ATCC VR-1736)] [((representative of) the common flu virus)]	2 minutes
Influenza A Virus (H1N1) A/Swine/1976/31 (ATCC VR-99) [((representative of) the common flu virus)]	10 minutes
Respiratory Syncytial Virus (RSV) (Strain A-2) (ATCC VR-1540) [(cause of respiratory infection in infants)]	10 minutes
Swine Flu Virus (H1N1) A/Swine/1976/31 (ATCC VR-99)	10 minutes
YEASTS	Contact time
Candida albicans (ATCC 10231)	10 minutes
BLOODBORNE PATHOGENS	Contact time
[Human] Hepatitis C [Virus] [(as bovine diarrhea virus)] [(HCV)] [(Strain ADL)] [(ATCC VR-1422)]	2 minutes
Human Immunodeficiency Virus Type 1 (HIV-1), strain III B (clade B); ZeptoMetrix	10 minutes

* This information has been extracted from the official document EPA reg. 93908-1 dated May 27, 2020.

EPA LIST N: EMERGING VIRAL PATHOGENS AND HUMAN CORONAVIRUS. INSTRUCTIONS FOR USE AGAINST SARS-COV-2

REG. EPA	Active ingredient(s)	Product Name	To eliminate SARS-CoV-2, follow the instructions for use for the following viruses.	Contact time
93908-1	Hypochlorous Acid	Envirolyte O & G	Norovirus	10 minutes

* This information has been extracted from the official EPA website. <https://www.epa.gov/pesticide-registration/list-n-disinfectants-use-against-sars-cov-2-covid-19>



GENERAL INFORMATION ON HYPOCHLOROUS ACID

Envirolyte is a HOCL hypochlorous acid based disinfectant, non-toxic and non-hazardous. It has a slightly acidic to neutral pH. It has an oxide-reduction potential of 700 mV. Hypochlorous acid is synthesized by our body naturally through white blood cells to protect our body.

STORAGE AND SPECIAL CONSIDERATIONS

Store in a cool, dry place. Keep out of reach of children. Store in non-transparent plastic containers. Avoid direct incidence of sunlight. You can reuse the container only for this product. For more information, refer to the product's safety data sheet.

PRODUCTS SPECS

PACK SIZE: N/A

ODOR: chlorine

BOILING POINT: 100° C (212° F)

ODOR THRESHOLD (PPM): NA

RELATIVE DENSITY: 1.0088

PHYSICAL FORM: liquid

COLOR: clear, no color

pH generated at 500 PPM: 6 ± 1

Ready-to-use PH at 50-100 PPM: 7 ± 0.3

VAPOR PRESSURE (mmHG): NA

LABEL COLOR

IMPORTANT OPERATOR INFORMATION

SDS:

Refer to the Safety Data Sheet (SDS) supplied by your distributor for information on emergency response, safe usage, hazards, first aid and proper product handling.

EMERGENCY RESPONSE PHONE:

+52 998 886 2905 (MEX) - +1 809 552 6202 (REP. DOM) - +1 876 379 6637 (JAM)

STATEMENT PF PRACTICAL TREATMENT:

Ingestion: If product is ingested, call a physician or poison control center for the most up-to-date information. If professional advice is not available, do not induce vomiting. Never induce vomiting or diluents (milk or water) in a person who is unconscious, having convulsions, or unable to swallow. Seek medical help. Take a copy of the label and/or MSDS with the victim to the healthcare professional. **Eye:** If product gets into eyes, open eyes under gentle running water for at least 15 minutes. Seek medical attention if irritation develops. **Skin:** Wash skin thoroughly after handling. Seek medical attention if irritation persists.

PRODUCT PRECAUTIONS:

WARNING. This product in CONCENTRATE may cause mild irritation or aggravate a pre-existing condition.
KEEP OUT OF THE REACH OF CHILDREN.

SHIPPING CLASSIFICATION:

NOT REGULATED.

INGREDIENTS

Water CAS #7732-18-5, Hypochlorous Acid CAS #7790-92-3

