MICROBIAL RESTORATION
SERVICES, LLC

Hypochlorous Acid Product Data Sheet

Features

- Powerful Hospital Grade Disinfectant
- Kills 99.999% Germs and Viruses
- Kills C. Diff, Tuberculosis, E. Coli, Hl Nl, HIV-1,mold and much more
- No Harsh Chemicals
- No Fumes or Odors
- Efficacy of hypochlorous acid is second to none

Benefits

- Kills harmful pathogens on nonporous surfaces without harmful chemicals
- Clean and breathe at the same time
- No skin, Eye or respiratory irritations
- Safe to use around children and plants
- Handles like saline water
- EPA Registered and CDC approved to fight Covid-19**

****COVID-19 is caused by (SARS-COV-2) virus. Hypochlorous acid kills similar viruses and therefore can be used against (SARS-COV-2) virus when used in accordance with the directions for use against Norovirus and Rhinovirus type 16 on hard, non-porous surfaces**

How does it work?

Hypochlorous acid (HOCL), is not a traditional cleaner. It uses a unique approach when killing germs, it does not use chemical poisoning. Our HOCL kills germs physically by breaking down the cell walls of a pathogen, then it over-saturates the pathogen's core until the germ literally explodes! This mechanical kill ensures that germs and viruses can never mutate and build a resistance like they do against traditional chemicals.

Our HOCL is EPA registered to kill pathogens such as C. Diff., Tuberculosis, E. Coli, Salmonella, Staph, MRSA, Norovirus, Rhinovirus, Rotavirus, Hepatitis C, HIV-l, H1N1 Swine Flu, Canine Distemper, Listeria, Pseudomonas, Klebsiella NDM-1, and more!

Recommended Uses:

- Homes
- Offices
- Schools, Daycares, Preschools
- Dental Offices
- Salons/Spas/Athletic Clubs/Gyms
- Universities/Colleges – classrooms, dorms, gathering spaces
- Medical Centers/Offices
- Kennels
- Nursing Homes
- Transportation – trains, buses, trucks, trailers
- Airplanes/Airports
- Hospitality – hotels, restaurants, cruise ships
- Athletics – locker rooms, arenas, practice facilities, weight rooms
- Churches

Organism Table for Sanitizing Applications

	Contact Time
Non-Food Contact Surface Bacteria	
Enterobacter aerogenes (ATTC 13408)	2 Minutes
Staphylococcus aureus (ATCC 6538)	2 Minutes
Non-Food Contact Surface Bacteria	
Salmonella enterica (ATCC 6539)	60 Seconds
Staphylococcus aureus (ATCC 6538)	60 Seconds

Organism Table for Disinfecting Application

	Contact Time
Bacteria	10 minutes
Bordetella broncheptica (Kennel Cough) (ATCC 10580)	10 minutes
Clostridium difficile – spore (C. Diff or Cd difficile) (spores) (ATCC 43598)	10 minutes
Escherichia coli (E coli) (ATCC 11229)	10 minutes
Klebsiella pneumonia New Delhi Metallo-Beta Lactamase (NDM-1) Carbapenem Resistant (CRE) ((Klebsiella (NDM-1) (CRE)) (KPC) (Carbapenem-Resistant Klebsiella pneumonia) (CRKP), CDC 10002	10 minutes
Listeria monocytogenes (Listeria) (ATCC 7644)	10 minutes
Methicillin-Resistant Staphylococcus aureus (MRSA) (ATCC 33591)	10 minutes
Pseudomonas aeruginosa (Pseudomonas) (ATCC 15442)	10 minutes
Salmonella enterica (Salmonella) (ATCC 10708)	10 minutes
Staphylococcus aureus (Staph) (ATCC 6538)	10 minutes
Vancomycin Resistant Enterococcus faecalis (VRE) (ATCC 51229) 1	10 minutes
Mycobacterium	
Canine parvovirus (ATCC VR-2016) [(Strain Cornell)]	10 minutes
Parvoviruses Non Enveloped *	
Canine parvovirus (ATCC VR-2016) [(Strain Cornell)]	10 minutes
Viruses Non Enveloped *	
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)	10 minutes
Rotavirus (A or Group A) (Strain WA) (ATCC VR-2018)	10 minutes
Viruses Enveloped	
Canine distemper virus (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 IIIB (clade B); ZeptoMetrix	10 minutes
Influenza A (H1N1) Virus [(Strain A/Virginia/ATCC1/2009)] [(ATCC VR-1736)1 [(flu virus)]	2 minutes
Influenza A Virus (H1N1) A Swine/1976/31 (ATCC VR-99) [(flu virus)	10 minutes
Respiratory Syncytial Virus (RSV) (Strain A-2) (ATCC VR-1540	10 minutes
Swine Flu Virus (H1N1) A Swine/1976/31 (ATCC VR-99)	10 minutes
Yeast	
Candida albicans (ATCC 10231)	10 minutes
Bloodborne Pathogens	
[Human] Hepatitis C [Virus] [(as bovine diarrhea virus] [(HCV)] [(Strain ADL)] [(ATCC VR-1422)]	2 minutes
Human Immunodeficiency Virus Type 1 (HIV-1), strain IIIB (clade B); ZeptoMetrix	10 minutes
Food-Contact Surface Bacteria	

Listeria monocytogenes (Listeria) (ATCC 7644)	10 minutes