EnviraMist
DISINFECT . SANITIZE . DEODORIZE

Urge to Purge INC

So much more than just a DECLUTTERING company

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EnviraMist Disinfectant Liquid

EnviraMist is the Gold Standard in Electro Chemically Activated (ECA) sanitizers. This product is up to 100 times more effective than bleach, 1500 times more effective than alcohol and outperforms all other sanitizers on the market today. EnviraMist kills 99.999% of all viruses, bacteria, spores and mold. Including the Human Corona Virus.

EnviraMist, is an all-natural, green, organic, non-toxic, non-irritant, non-corrosive, environmentally and ecologically safe sanitizing and disinfecting solution. It is produced from the ECA electro chemical activation of water, salt and electricity, a patented process. The applications for this technology are infinite and include any process requiring cleaning, disinfecting or sanitizing, it kills 99.99% of all viruses, spores, mold and bacteria in one single application. EnviraMist is proven to be more effective than Virox, 100x more effective than bleach and 1500x more effective than alcohol.

- Health Canada DIN certified
- Agricultural Canada Approved
- FDA Approved
- EPA Approved
- Certified 100% Organic
- On The Canadian Natural Health Products List.

EnviraMist offers an array of advantages over traditional chemicals, methods and technologies:

- Safety
- Non-Corrosive
- Superior disinfection performance
- Removal of biofilm
- Stable, longer-lasting residual
- Enhanced micro flocculation (reduction in turbidity)
- Lack of strong odor

How to Administer

EnviraMist is to be used in the same manner as any other disinfectant liquid. Most commonly administered via spray bottle or handheld mist/spray generator. Zero PPE needs to be worn due to the safe nature of EnviraMist.

Active Ingredient

The active ingredient in EnviraMist is hypochlorous acid (92.5% at 500 ppm FAC with a pH of 6.5). It is a well-known and well noted biocidal agent, which is produced by the human body's natural immune system to fight infection. It is also known as "Super-oxidized Water" or "Electrolyzed Water". Many disinfectants are a much higher pH balance, which can make them harmful to humans, animals and the environment.

Hypochlorous Acid is an ionically bonded aqueous solution and does not “burn skin, eyes or mucosal membranes. HOCL is the most effective of all the chlorine forms, but it is not chlorine, it is similar to water. The germicidal efficiency of HOCL is due to the ease with which it can penetrate cell walls, this penetration is comparable to that of water and can be attributed to both its modest size and its electrical neutrality.

Efficacy

EnviraMist is an oxidizing agent due to a mixture of free radicals, giving it an antimicrobial effect. The 300+ research papers conclude that it kills ALL KNOWN Bacteria, spores, mold and Viruses. However, because Covid-19 is so new and dangerous, **NO** disinfectant products at this time has been allowed to test and document results of testing. We are confident that EnviraMist has the ability to kill Covid-19 as it is effective in the Human Coronavirus and Canine Coronavirus and all the other dangerous viruses listed our Kill list document and below.

EnviraMist is pH-neutral, generated by electrolysis of a dilute NaCl solution that passes through a proprietary electrolytic cell. This patented and proprietary system can create large volumes of an environmentally friendly but extremely potent antimicrobial solution capable of rapid destruction of bacteria, viruses, spores, cysts, scale, and biofilm. EnviraMist is stable, cost-effective to buy, greener than traditional chemical technologies, and can be used in multiple applications across a wide variety of industries.

Kill List

Field test and studies have shown that EnviraMist is instantly effective on pathogens such as Asian Flu varieties, H1N1, Human Coronavirus, Canine Coronavirus, Salmonella, E. coli, Listeria, Staphylococcus Aureus, MRSAs, Pseudomonas Aeruginosa, and a host of other virulent and troublesome organisms – without the use of costly toxic chemicals.

EnviraMist destroys microorganisms absolutely so they cannot build up resistance and no adaptation occurs. Standard toxic chemicals can create strains of pathogens that become resistant over time, because the cell can expel or neutralize the chemical before it can kill it, thereby causing the overall efficacy of chemical cleaners and disinfectants to be significantly reduced.

Confirmed Virus Disinfection
Hantavirus
Hepatitis A
Hepatitis B
Hepatitis C
HIV Type 1
Influenza B
Murine Norovirus (MNV-1)
Rotavirus Respiratory Syncytial Virus
Swine Flu (H1N1)
Human Coronavirus
Adenovirus 1
Canine Coronavirus
Canine Parvovirus
Canine Distemper
Feline Coronavirus
Felid Herpesvirus 1
Feline Infectious Peritonitis
Norovirus Feline Calcivirus
Feline Panleukopenia
Herpes Simplex Virus 1
Porcine Epidemic Diarrhea Virus
Rabies Virus

Confirmed Fungi Disinfection
Aspergillus Niger
Trichophyton Mentagrophytes
Trichophyton Rubrum

Confirmed Bacteria Disinfection
Chlamydia Psittaci
E. Coli
Klebsiella Pneumoniae
Legionella Pneumophilia
Listeria
MRSA
Mycobacterium
Bovis (BCG)
Penicillin-Resistant Strep
Pseudomonas Aeruginosa
Salmonella Enterica
Staphylococcus Aureus

Safety

In addition, EnviraMist offers the added benefit of being able to remove biofilm and scale from manufacturing equipment, membranes, filters and pumps. This greatly minimizes a major contributor to contamination problems and greatly improves the longevity of costly equipment, removing a CAPEX and increasing bottom line profitability.

Because EnviraMist has a neutral pH balance of 6.5 it is non-corrosive and safe for soft and hard porous surfaces and will not cause any harm to any surfaces included fabric, metal, natural stone or wood. EnviraMist can be safely applied without the use of PPE (personal protection equipment) using a variety of methods: fogging, direct application or dosing.

EnviraMist is disinfectant that is nontoxic to humans and animals. Independent research based on international standards to test acute oral toxicity, skin sensitization, eye irritation, skin irritation and bacterial mutagenicity concluded that there are no known health risks associated with its intended use, in addition, the solution is biodegradable, organic and does not harm the environment. After its use, EnviraMist turns into very weak brine and it does not introduce chemical or soap residue into the ecosystem.

Frequently Asked Questions

What is the active antimicrobial agent in EnviraMist?
The active ingredient in EnviraMist is hypochlorous acid, a well-known and well noted biocidal agent, which is produced by the human body's natural immune system to fight infection. It is also known as "Super-oxidized Water" or "Electrolyzed Water".

Is EnviraMist safe for humans, animals and the environment?
Yes, EnviraMist is disinfectant that is nontoxic to humans and animals. Independent research was done based on international standards to test acute oral toxicity, skin sensitization, eye irritation, skin irritation and bacterial mutagenicity. The research concluded that there is not any known health risks associated with its intended use, in addition, the solution is biodegradable, organic and does not harm the environment. After its use, EnviraMist turns into very weak brine and it does not introduce chemical or soap residue into the ecosystem.

Is EnviraMist fragrance free and why?
Fragrances used by many manufacturers are typically toxic substances. There are no fragrances added to EnviraMist and it is perfect for those with multiple chemical sensitivities (MCS), in fact it neutralizes/eliminates the nasty odors caused by food or pets.

What is Hypochlorous Acid?
Hypochlorous Acid is an ionically bonded aqueous solution and does not “burn skin, eyes or mucosal membranes. HOCL is the most effective of all the chlorine forms, but it is not chlorine, it is similar to water. The germicidal efficiency of HOCL is due to the ease with which it can penetrate cell walls, this penetration is comparable to that of water and can be attributed to both its modest size and its electrical neutrality.

How effective is the hypochlorous acid, in EnviraMist?
Although the company has not tested EnviraMist against every known bacteria, fungi, or mold ourselves, many independent test labs and scientific journals have verified that hypochlorous acid is highly effective against a wide variety of bacteria, viruses, fungi, mold and mildew including and not limited to:

What is the difference between cleaning and disinfecting?
Know the difference between cleaning, disinfecting, and sanitizing, **Cleaning** removes germs, dirt, and impurities from surfaces or objects. Cleaning works by using soap (or detergent) and water to physically remove germs from surfaces..... **Disinfecting** kills germs on surfaces or objects.

What is the difference between a cleaner and a disinfectant?
Cleaners are not registered with the EPA and cannot make public health claims on their label such as killing germs or having any anti-microbial action.

About Hypochlorous Acid HClO

- HClO is the scientific formula for hypochlorous acid, a weak acid similar to that of a citrus juice.
- It is made naturally by white blood cells in all mammals for healing and protection.
- A powerful oxidant that is effective against invading bacteria, fungi, and viruses.
- Generating HClO by running electricity through a solution of saltwater was discovered in 1970s.
- Now used in healthcare, food safety, water treatment, and general sanitation.

Why is HClO more efficient at killing pathogens?

Hypochlorous Acid (HClO) vs. Sodium Hypochlorite (NaClO) (Chlorine Bleach)

Hypochlorite ion carries a negative electrical charge, while hypochlorous acid carries no electrical charge. The hypochlorous acid moves quickly, able to oxidize the bacteria in a matter of seconds, while the hypochlorite ion might take up to a half hour to do the same. Germ surfaces carry a negative electrical charge which results in a repulsion of the negatively charged hypochlorite ion to the area of the germ surfaces, making hypochlorite ion less effective at killing germs. The hypochlorous acid's lack of electrical charge allows it to more efficiently penetrate the protective barriers surrounding germs.

Home use of HClO

There are several home electrolysis systems that have been developed that can generate stable hypochlorous acid using table salt and water. Distilled vinegar is sometimes added to lower the pH allowing for a solution of free chlorine more dominated by the hypochlorous acid molecule. When choosing a home system, an important factor to consider is the quality of the electrolysis cell. Higher quality systems may cost more but will last much longer due to the durability of the alloys in the metals used to make the cells.

What are the benefits?

Hypochlorous acid, unlike chlorine bleach, is 100% safe and non-irritant. If it gets on your skin or in your eyes, it will not burn. Even if it were accidentally ingested, it is completely harmless. Yet, it is 70-80 times more efficient at killing microbial pathogens than standard household chlorine bleach.

Where can it be used?

In the home, hypochlorous acid is useful anywhere you need a sanitizer but don't feel comfortable using a toxic chemical. A perfect example is in the kitchen. Instead of rinsing leafy greens with water, use hypochlorous acid. Or for personal items such as toothbrushes or razors, hypochlorous acid is safe. Want to sanitize laundry without damaging or discoloring clothing, hypochlorous acid is the answer.

Commercial use of HClO

Membrane Cell Electrolysis

The technology behind generating hypochlorous acid has evolved tremendously over the past 20 years. The market used to be dominated by membrane cell electrolysis that used high pressures to force saltwater into two separate streams, an acidic stream and an alkaline stream. The acidic stream would contain hypochlorous acid (HOCl), the anolyte or oxidizing agent, and the alkaline stream would contain sodium hydorixde (NaOH), the catholyte or reducing agent. The benefit of these systems were that two useful solutions were generated, a sanitizer and a degreaser. The downside of these systems were that they were expensive, required high maintenance, and would generate unstable solutions that lost their oxidation-reduction potential (ORP) within a short period of time, reducing power.

Single Cell Electrolysis

With the development of single cell electrolysis, many of these obstacles were overcome. Single cell electrolysis does not use high pressures across a membrane therefore little to no maintenance is required. And because single cell electrolysis does not force the saltwater into two streams of opposite oxidation-reduction potential and opposite pH, a more stable solution is generated, a solution that is not seeking to regain an equilibrium. Single cell systems generate only one solution, an anolyte in the pH range of 5 to 7. This pH range is optimal for hypochlorous acid in regards to stability and effectiveness as a sanitizer.