



## Product Features

- Quaternary chemistry provides safer, chlorine-free broad-spectrum disinfecting action
- Broad spectrum disinfection/sanitization
- Effective cleaner, disinfectant, sanitizer, deodorizer, fungicide, and mildewstat all in one product
- Phosphate-free, Readily biodegradable

## Active Ingredients

N-Alkyl (5%C12,60%C14,30%C16,5%C18) dimethyl benzyl ammonium chloride .....	2.25%
N-Alkyl (68%C12,32%C14) dimethyl ethyl benzyl ammonium chloride .....	2.25%
<b>Total:</b>	<b>4.50%</b>

## Description

Envirosan is a phosphate free, ready-to-use detergent/disinfectant which provides effective cleaning, deodorizing, disinfection and sanitization. Envirosan has been designed specifically for hospitals, nursing homes, schools, food processing plants and other institutions where housekeeping is of prime importance in controlling the hazard of cross contamination. In addition, Envirosan deodorizes those areas which generally are hard to keep fresh smelling, such as garbage storage area, empty garbage bins and cans, toilet bowls and any other area which are prone to odours caused by micro-organisms.

## Properties

Appearance.....Clear yellow liquid  
Flash Point.....>100C (>212F)  
pH.....10.0-12.5  
Odor.....mild citrus

**Directions for Use:** Remove gross filth or heavy soil prior to application of the product. Hold container 15-20 cm from surface to be treated. Spray area until it is covered with the solution. Allow product to penetrate and remain wet for 3 minutes. (for Bloodborne Pathogens: allow surface to remain wet for 1 minute for HIV-1 and for 5 minutes for HBV). No scrubbing is necessary. Wipe off with a clean cloth, mop or sponge. The product will not leave grit or soap scum. A potable water rinse is required for disinfected food contact surfaces, and surfaces and/or objects that may come into direct contact with children at the mouthing stage of development.

One-Step cleaning and disinfection of toilet bowls and urinals: Remove water from bowl by forcing water over trap with a swab mop applicator. Press swab mop against side of the bowl to remove excess water from applicator. Apply 30-60 mL of this product evenly, allowing sufficient time for product to cover entire surface of bowl for maximum cleaning. Swab bowl completely using a scrub brush or toilet mop, making sure to get under the rim. Let stand for 3 minutes. (for Bloodborne Pathogens: allow surface to remain wet for 1 minute for HIV-1 and for 5 minutes for HBV) and flush.

## Disinfection

To disinfect pre-cleaned hard inanimate surfaces, add 80 mL Envirosan per 5 L of water. Apply solution with mop, cloth or sponge so as to wet thoroughly. Allow to remain wet for 10 minutes and then let air dry.

To disinfect toilet bowls, flush toilet, add 80 mL Envirosan directly to the bowl water. Swab the bowl completely using scrub brush or toilet mop making sure to get under the rim. Let stand for 10 minutes and flush.

For heavily soiled areas, a pre cleaning step is required and recommended. Prepare a fresh solution for each use. When disinfecting food contact surfaces, rinse thoroughly with potable water.



### Sanitization

To sanitize previously cleaned and rinsed, non-porous food contact surfaces, prepare 200 ppm active EnviroSan solution by adding 44.44 mL EnviroSan per 10 L of water.

To sanitize immobile items such as tanks, chopping blocks, counter tops, flood the area with 200 ppm EnviroSan solution or apply with a cloth or sponge making sure to wet all surfaces completely for at least 60 seconds. Let air dry. Prepare a fresh solution for each use. To sanitize mobile items such as drinking glasses, eating utensils, immerse in 200 ppm EnviroSan solution for at least 60 seconds making sure to immerse completely. Remove and let air dry. Prepare a fresh solution daily or more frequently as soil is apparent. NO POTABLE WATER RINSE IS REQUIRED. EnviroSan is an effective sanitizer when diluted in water up to 250 ppm hardness (CaCO<sub>3</sub>).

### Bactericidal Activity

At 80 mL per 5 L dilution, EnviroSan exhibits effective disinfectant activity against the following, with a 3 minute contact time and meets the requirements for hospital use: Staphylococcus aureus, Salmonella enterica, Pseudomonas aeruginosa, Escherichia coli, Escherichia coli O157:H7, Corynebacterium ammoniagenes, Enterococcus faecium, Listeria monocytogenes, Yersenia enterocolitica, Salmonella (typhi) enterica, Vancomycin Resistant Enterococcus faecalis, Vancomycin Resistant Staphylococcus aureus and Methicillin Resistant Staphylococcus aureus, Staphylococcus aureus (VISA), Streptococcus pyogenes (Necrotizing Fasciitis), Methicillin Resistant Staphylococcus epidermidis (MRSE), Community Associated Methicillin Resistant Staphylococcus aureus (CA-MRSA), Klebsiella pneumonia New Delhi Metallo-Beta Lactamase (NDM-1) Carbapenem Resistant

### Broad-Spectrum Virucidal Activity

This product, when used on environmental, inanimate, non-porous surfaces exhibits effective virucidal activity when allowed to remain wet for the following required contact times against:

10 minutes: Hepatitis A Virus (HAV), Poliovirus Type 1, and Canine Parvovirus

5 minutes: Hepatitis B Virus (HBV), Hepatitis C Virus (HCV), and Bovine Viral Diarrhea Virus

3 minutes: Rhinovirus type 39, Rotavirus, and Paramyxovirus (Mumps)

2 minutes: SARS associated Coronavirus, Pandemic 2009 H1N1 Influenza A Virus (Swine Flu), and Avian Influenza A strains H3N2 and H9N2

60 seconds: Human Immunodeficiency Virus, HTLV-III<sub>RF</sub>, strain of HIV-1 (associated with AIDS)

30 seconds: Feline Calicivirus, Norovirus (Norwalk Virus), and Rabies Virus

This product is a broad-spectrum virucidal hard surface disinfectant that is expected to inactivate the SARS-CoV-2 (the virus that causes COVID-19). KILLS HIV-1 ON PRE-CLEANED ENVIRONMENTAL SURFACES/OBJECTS PREVIOUSLY SOILED WITH BLOOD/BODY FLUIDS in health care settings (Hospitals, Nursing Homes) or other settings in which there is an expected likelihood of soiling of inanimate surfaces/objects with blood or bodily fluids, and in which the surfaces/objects likely to be soiled with blood or bodily fluids can be associated with the potential for transmission of Human Immunodeficiency Virus Type 1.

**DISINFECTION OF POULTRY EQUIPMENT:** For disinfection of pre-cleaned poultry equipment (brooders, watering founts, feeding equipment). Remove all poultry and feeds from premises, trucks, coops and crates. Remove all litter and droppings from floors, walls and surfaces of facilities occupied or transversed by poultry. Empty all troughs, racks and other feeding and watering appliances. Thoroughly clean all surfaces with soap or detergent and rinse with water. Saturate the surfaces with the disinfecting solution for 10 minutes. Ventilate building, coops and other closed spaces. Do not house poultry or employ equipment until treatment has been absorbed, set or dried. All treated equipment must be rinsed with potable water before reuse.

**DISINFECTION OF ANIMAL QUARTERS AND KENNELS:** WHEN TESTED AGAINST THE PROTOCOL VIRUCIDAL EFFICACY OF DISINFECTANTS FOR USE ON INANIMATE ENVIRONMENTAL SURFACES, EFFICACY TESTS HAVE DEMONSTRATED THAT THIS PRODUCT IS EFFECTIVE AGAINST CANINE PARVOVIRUS IN THE PRESENCE OF ORGANIC SOIL (5% FETAL BOVINE SERUM)

For disinfection of pre-cleaned animal quarters and kennels. Remove all animals and feeds from premises, trucks and crates. Remove all litter and droppings from floors, walls and surfaces of facilities occupied or transversed by animals. Empty all troughs, racks and other feeding and watering appliances. Thoroughly clean all surfaces with soap or detergent and rinse with water. Saturate the surfaces with the disinfecting solution for 10 minutes. Ventilate building and other closed spaces. Do not house animals or employ equipment until treatment has been absorbed, set or dried. All treated equipment must be rinsed with potable water before reuse.

KILLS HIV-1 ON PRE-CLEANED ENVIRONMENTAL SURFACES/OBJECTS PREVIOUSLY SOILED WITH BLOOD/BODY FLUIDS in health care settings (Hospitals, Nursing Homes) or other settings in which there is an expected likelihood of soiling of inanimate surfaces/objects with blood or bodily fluids, and in which the surfaces/objects likely to be soiled with blood or bodily fluids can be associated with the potential for transmission of Human Immunodeficiency Virus Type 1.



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### Tuberculocidal Activity

This product exhibits disinfectant efficacy against *Mycobacterium terrae* when the treated surface is allowed to remain wet for 5 minutes.

### Mildewstat

To control mold and mildew on pre-cleaned, hard, non-porous surfaces spray surface to be treated making sure to wet completely. Let air dry. Repeat application at weekly intervals or when mildew growth appears.

### Fungicidal Activity

This product is fungicidal against the pathogenic fungi, *Trichophyton interdigitale* (Athlete's Foot Fungus) when used as directed on hard surfaces found in bathrooms, shower stalls, locker rooms, or other clean, non-porous, hard surfaces commonly contacted by bare feet.

EFFICACY TESTS HAVE DEMONSTRATED THAT THIS PRODUCT IS AN EFFECTIVE BACTERICIDE, FUNGICIDE AND VIRUCIDE IN THE PRESENCE OF ORGANIC SOIL (5% BLOOD SERUM).



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