

**Nemesis Cleaner & Disinfectant Microbial Effectiveness Bulletin
(EPA# 1839-83-72026)**

This product is effective against the following:

Bactericidal Activity:	
Micro-organism	Contact time
Pseudomonas aeruginosa	3 minutes
Staphylococcus aureus	3 minutes
Salmonella (choleraesuis) enterica	3 minutes
Escherichia coli	3 minutes
Escherichia coli (O157:H7)	3 minutes
Streptococcus pyogenes (Necrotizing Fasciitis Group A)	3 minutes
Listeria monocytogenes	3 minutes
Yersenia enterocolitica	3 minutes
Corynebacterium ammoniagenes	3 minutes
Enterococcus faecium	3 minutes
Salmonella (typhi) enterica	3 minutes
Methicillin Resistant Staphylococcus aureus (MRSA)	3 minutes
Vancomycin Resistant Enterococcus faecalis (VRE)	3 minutes
Vancomycin Intermediate Resistant Staphylococcus aureus (VISA)	3 minutes
Methicillin Resistant Staphylococcus epidermis	3 minutes
Community Associated Methicillin Resistant Staphylococcus aureus	3 minutes
Virucidal Activity	
Micro-Organism	Contact Time
HIV-1	1 minute
Avian Influenza A Strain H3N2	2 minutes
Avian Influenza A Strain H9N2	2 minutes
Hepatitis B Virus (HBV)	5 minutes
Hepatitis C Virus (HCV)	5 minutes
Duck Hepatitis B Virus (DHBV)	5 minutes
Bovine Viral Diarrhea Virus (BVDV)	5 minutes
Human Coronavirus	2 minutes
SARS Associated Coronavirus	2 minutes
Rabies Virus	30 seconds
Paramyxovirus	3 minutes
Rotavirus	3 minutes
Norovirus (Norwalk Virus)	30 seconds
Feline Calicivirus	30 seconds
Canine Parvovirus	10 minutes
Poliovirus Type 1	10 minutes
Rhinovirus type 39	3 minutes
Hepatitis A Virus (HAV)	10 minutes
<u>Fungicidal Activity (10 minute contact time)</u>	
Trichophyton mentagrophytes	

This product is designed specifically as a general non-acid cleaner and disinfectant for use in hospitals, nursing homes and schools where housekeeping is of prime importance in controlling the hazard of cross contamination. It is formulated to disinfect hard, non-porous, inanimate environmental surfaces: floors, walls, metal surfaces, stainless steel surfaces, glazed porcelain, glazed ceramic tile, plastic surfaces, bathrooms, shower stalls, bathtubs, and cabinets. For plastic and painted surfaces, spot test on an inconspicuous area before use. May be used in the kitchen on counters, sinks, appliances, and stovetops. A rinse with potable water is required for surfaces in direct contact with food. This product deodorizes those areas that generally are hard to keep fresh smelling such as garbage storage areas, empty garbage bins and cans, basements, restrooms and other areas which are prone to odors caused by microorganisms.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

This product is not for use on critical or semi-critical medical device surfaces.

DISINFECTION, DEODORIZING AND CLEANING: Remove gross filth or heavy soil prior to application of the product. Hold container six to eight inches from surface to be treated. Spray area until it is covered with the solution. Allow product to penetrate and the surface to remain wet for **3 minutes** (for Bloodborne Pathogens: allow surface to remain wet for HIV-1 **1 minute** and for HBV and HCV **5 minutes**). No scrubbing is necessary. Wipe off with a clean cloth, mop or sponge. The product will not leave grit or soap scum. Using approved AOAC test methods (under Good Laboratory Practices, [GLPs]), in the presence of 5% blood serum and a **3 minute** contact time, unless otherwise noted, this product kills the following organisms on hard non-porous inanimate surfaces:

BACTERICIDAL ACTIVITY: Pseudomonas aeruginosa (ATCC 15442), Staphylococcus aureus (ATCC 6538), Salmonella (choleraesuis) enterica (ATCC 10708), Escherichia coli (ATCC 11229), Escherichia coli 0157:H7 (ATCC 43895), Streptococcus pyogenes, Listeria monocytogenes (ATCC 35152), Yersinia enterocolitica (ATCC 23715), Enterococcus faecium (ATCC 6569), Corynebacterium ammoniagenes (ATCC 6871), Salmonella (typhi) enterica (ATCC 6539).

ANTIBIOTIC-RESISTANT STRAINS OF: Vancomycin resistant Enterococcus faecalis (VRE)(ATCC 51575), Vancomycin intermediate resistant Staphylococcus aureus (VISA), Methicillin resistant Staphylococcus epidermidis (MRSE) (ATCC 51625), Community Associated Methicillin resistant Staphylococcus aureus (CA-MRSA) (NRS 123) Genotype USA400, Community Associated Methicillin resistant Staphylococcus aureus (CA-MRSA) (NRS 384) Genotype USA300.

TUBERCULOCIDAL ACTIVITY: This product exhibits disinfectant efficacy against Mycobacterium tuberculosis BCG at 20 degrees Centigrade when the treated surface is allowed to remain wet for **5 minutes**.

***VIRUCIDAL ACTIVITY:** This product kills on hard, non-porous inanimate surfaces when allowed to remain wet for a **10 minute** contact time against: Hepatitis A Virus (HAV), Poliovirus Type 1 (ATCC VR-1000) and Canine Parvovirus (ATCC VR-2017). This product, when used on environmental, inanimate hard surfaces exhibits virucidal activity against **Hepatitis B Virus (HBV), Hepatitis C Virus (HCV) and Bovine Viral Diarrhea Virus (BVDV)(NVSL)** when the treated surface is allowed to remain wet for **5 minutes; Human Coronavirus (ATCC VR-740), SARS associated Coronavirus, Avian Influenza A (Avian Influenza strains H3N2 and H9N2) for 2 minutes; Paramyxovirus (Mumps)(ATCC VR-1438), Rhinovirus type 39 (ATCC VR-340) and Rotavirus for 3 minutes; HIV-1 for 1 minute; and Norovirus (Norwalk virus), Feline Calicivirus and Rabies Virus (CDC) for 30 seconds.**

KILLS HIV-1, HBV AND HCV 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 body fluids, and in which the surfaces/objects likely to be soiled with blood or body fluids can be associated with the potential for transmission of Human Immunodeficiency Virus Type 1 (HIV-1) (associated with AIDS), Hepatitis B Virus (HBV) and Hepatitis C Virus (HCV).

SPECIAL INSTRUCTIONS FOR CLEANING AND DECONTAMINATION AGAINST HIV-1, HBV AND HCV ON SURFACES/OBJECTS SOILED WITH BLOOD/BODY FLUIDS. PERSONAL PROTECTION: When handling items soiled with blood or body fluids use disposable latex gloves, gowns, masks, and eye coverings.

CLEANING PROCEDURES: Blood and other body fluids must be thoroughly cleaned from surfaces and objects before application of this product.

Tuberculocidal Spray and Wipe

**Disinfectant, *Virucide, Fungicide (against pathogenic fungi)
Meets OSHA Bloodborne Pathogen Standard for HIV, HBV & HCV**

ACTIVE INGREDIENTS:

n-Alkyl (60% C₁₄, 30% C₁₆, 5% C₁₂, 5% C₁₈)
dimethyl benzyl ammonium chlorides.....0.105%
n-Alkyl (68% C₁₂, 32% C₁₄)
dimethyl ethylbenzyl ammonium chlorides...0.105%
INERT INGREDIENTS..... 99.790%
Total 100.000%

EPA REG. NO. 1839-83-72026

EPA EST. NO. 72026-IL-01

**KEEP OUT OF REACH
OF CHILDREN
CAUTION**

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS.

CONTACT TIME: Allow surface to remain wet for HBV and HCV **5 minutes**, for HIV-1 **1 minute**. These contact times will not control other common types of viruses and bacteria.

DISPOSAL OF INFECTIOUS MATERIALS: Blood and other body fluids must be autoclaved and disposed of according to local regulations for infectious waste disposal.

FUNGICIDAL ACTIVITY: This product is fungicidal against the pathogenic fungus, Trichophyton mentagrophytes (ATCC 9533)(Athlete's Foot Fungus) when used with a 10 minute contact time on clean, non-porous, hard surfaces as found in bathrooms, shower stalls, locker rooms, or other areas 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).

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

KEEP OUT OF REACH OF CHILDREN. Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco.

FIRST AID:

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. **If in eyes:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice. **If swallowed:** Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person. **If inhaled:** Move person to fresh air. If person is not breathing, call 911 or an ambulance then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage. You may contact 1.800.858.7378 for emergency medical treatment information.

STORAGE AND DISPOSAL

DO NOT CONTAMINATE WATER, FOOD, OR FEED BY STORAGE OR DISPOSAL.

PESTICIDE STORAGE - Store in a dry place no lower in temperature than 50°F or higher than 120°F.
PESTICIDE DISPOSAL - Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL - Nonrefillable container. Do not reuse or refill container. Clean container promptly after emptying.

Triple rinse as follows: Fill container ¼ full with water and recap. Agitate vigorously. Follow Pesticide Disposal instructions for rinsate disposal. Drain for 10 seconds after the flow begins to drip. Repeat procedure two more times. Offer for recycling or reconditioning, if available. If not available, puncture and dispose in a sanitary landfill.