



Spirit II

READY-TO-USE DETERGENT DISINFECTANT

- Ready-To-Use
- DISINFECTANT
- CLEANER
- TUBERCULOCIDAL
- DEODORIZER
- *VIRUCIDE
- MILDEWSTAT
(on hard inanimate surfaces)
- FUNGICIDE
(against pathogenic fungi)

ACTIVE INGREDIENTS:

n-Alkyl (60% C ₁₄ , 30% C ₁₆ , 5% C ₁₂ , 5% C ₁₈) dimethyl benzyl ammonium chlorides	0.105%
n-Alkyl (68% C ₁₂ , 32% C ₁₄) dimethyl ethylbenzyl ammonium chlorides	0.105%

INERT INGREDIENTS:	99.790%
TOTAL:	100.000%

KEEP OUT OF REACH OF CHILDREN CAUTION

This product is designed specifically as a general non-acid cleaner and disinfectant for use in homes, hospitals, nursing homes, schools, transportation terminals, office buildings, lodging establishments, and athlete/recreational facilities 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 stove tops. A rinse with potable water is required for surfaces in direct contact with food. In addition, this product deodorizes those areas which 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. This product contains no phosphates or phosphorous.

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. Fill or refill the 32 oz. Zep Spirit II Ready-To-Use Detergent Disinfectant spray bottle with this product refill. Pour product into spray bottle over sink or tub basin.

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.

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 1 to 2 ounces 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 HIV-1 **1 minute** and for HBV and HCV **5 minutes**) and flush.

Using approved AOAC test methods, 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*, *Listeria monocytogenes*, *Staphylococcus aureus*, *Yersinia enterocolitica*, *Salmonella (choleraesuis) enterica*, *Enterococcus faecium*, *Escherichia coli*, *Corynebacterium ammoniagenes*, *Escherichia coli* O157:H7, and *Salmonella typhi enterica*

ANTIBIOTIC-RESISTANT: *Methicillin resistant Staphylococcus aureus (MRSA)*, *Vancomycin resistant Enterococcus faecalis (VRE)*, *Vancomycin intermediate resistant Staphylococcus aureus (VISA)*

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 minutes** contact time against: Hepatitis A Virus (HAV), Poliovirus Type 1 and Canine Parvovirus. This product, when used on environmental, inanimate hard surfaces exhibits virucidal activity against: **Hepatitis B Virus (HBV)**, and **Hepatitis C Virus (HCV)** when the treated surface is allowed to remain wet for **5 minutes; Human Coronavirus, SARS associated Coronavirus and Avian Influenza A strains H3N2 and H9N2 for 2 minutes; Rhinovirus type 39 and Rotavirus for 3 minutes; HIV-1 (associated with AIDS) for 1 minute (60 seconds); and Norovirus (Norwalk virus), Feline Calicivirus and Rabies Virus for 30 seconds.** Kills Pandemic 2009 H1N1 Influenza A virus (formerly called swine flu).

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.

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* (Athlete's Foot Fungus) when used with a 10 minutes 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).

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.

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.
 You may contact 1-877-541-2016 for emergency medical treatment information.
NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

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.

EPA Reg. No. 1839-83-1270
EPA Est. No. 40849-GA-1 (E), 1270-GA-1 (1) or 1270-TX-1 (2)
 Postscript is first letter or number of batch code on container.

Batch Code#



NET CONTENTS:
5 Gallons
(18.9 Liters)

MADE IN USA
 Distributed by:
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 1310 Seaboard Ind. Blvd.
 Atlanta, GA 30318
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