

# Spruce Disinfectant

## One Step Disinfectant

### Germicidal Detergent and Deodorant

Disinfectant, Cleaner, Mildewstat, Fungicide, Virucide\*, Deodorizer for Hospitals, Nursing Homes, Households, Food Service, Commercial, Institutional, and Industrial Use. Non-Dulling to Floor Finishes.

#### ACTIVE INGREDIENTS:

Didecyl Dimethyl Ammonium Chloride.....	1.268%
n-Alkyl (C <sub>14</sub> 50%, C <sub>12</sub> 40%, C <sub>16</sub> 10%) dimethyl benzyl ammonium chloride.....	0.845%
<b>INERT INGREDIENTS:</b> .....	<b>97.887%</b>
<b>TOTAL</b> .....	<b>100.00%</b>

### KEEP OUT OF REACH OF CHILDREN DANGER

See side panel of label for additional precautionary statements

EPA Reg. No. 10324-157-12367

EPA Est. No. 12367-PA-1

Net Contents: 1 Gallon

929 Fifth Avenue McKeesport, Pa 15132

(412) 422-7786

This product is a one-step germicidal cleaner and deodorant designed for general cleaning, disinfecting, deodorizing and controlling mold and mildew on hard, non-porous environmental surfaces. This product cleans quickly by removing dirt, grime, mold, mildew, food residue, body oils, dead skin, blood and other organic matter commonly found in hospitals in health care facilities. It also eliminates odors leaving restroom surfaces smelling clean and fresh. Use where odors are a problem.

This product cleans, disinfects and deodorizes hard, non-porous environmental hospital surfaces in one step with no rinsing required. Its non-abrasive formula is designed for use on the following hard, non-porous environmental surfaces: vinyl, painted surfaces, plastic, glazed ceramic, glazed porcelain, chrome, stainless steel. It can also be used to preclean and disinfect any washable food and non-food contact surface where disinfection is required. A potable water rinse is required when disinfecting food contact surfaces. Do not use on glasses, dishes and utensils.

When used as directed at a 1:32 dilution (4 ounces per gallon of water), this product contains 660 ppm of active quaternary germicide making it highly effective against a wide variety of pathogenic microorganisms (including bacteria, antibiotic resistant bacteria, viruses, fungi, mold and mildew). This product is Bactericidal according to the AOAC Use Dilution Test method, Virucidal\* according to the virucidal qualification on hard, inanimate surfaces, Fungicidal according to the AOAC fungicidal test, modified in the presence of 5% organic serum against:

**Bacteria:** *Pseudomonas aeruginosa*, *Pseudomonas cepacia*, *Salmonella choleraesuis*, *Staphylococcus aureus*, *Methicillin Resistant Staphylococcus aureus (MRSA)*, *Streptococcus pyogenes*

**Viruses:** Avian Infectious Bronchitis virus Beaudette IB42, Canine Coronavirus, Canine Distemper virus, Hepatitis B Virus, Hepatitis C Virus, Herpes Simplex Virus Type 1, Herpes Simplex Virus Type 2, Human Immunodeficiency Virus type 1 (HIV 1), Influenza A virus ATCC VR-544, Pseudorabies virus, Respiratory syncytial virus, Transmissible Gastroenteritis virus, Vaccinia virus.

**Fungi:** When used as directed at a 1:32 dilution (4 ounces per gallon of water) (or equivalent use dilution), this product is highly effective against the following: *Aspergillus niger*, *Candida albicans*, *Trichophyton mentagrophytes* **Hepatitis Virus** At 4 ounces of this product per gallon of water (or equivalent use dilution) in the presence of 400 ppm hard water (CaCO<sub>3</sub>) and 5% serum this product was proven to be effective against (Duck) Hepatitis B Virus and Hepatitis C Virus with a contact time of 10 minutes. **(Not for use in California)**

#### DIRECTIONS FOR USE

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

Not for use on medical devices or medical equipment surfaces.

#### Disinfection

##### PREPARATION OF USE SOLUTION

For water hardness up to 400 ppm add 4 ounces per gallon of water (1:32) to disinfect hard, non-porous surfaces. Treated surfaces must remain wet for 10 minutes. Rinse or allow to air dry. Rinsing of floors is not necessary unless they are to be waxed or polished.

Apply use solution to hard, inanimate, non-porous surfaces thoroughly wetting surfaces as recommended and required, with a cloth, mop, sponge or sprayer.

For heavily soiled areas, a preliminary cleaning is required.

For Sprayer applications, use a coars spray device. Spray 6-8 inches from surface. Rub with brush, sponge or cloth. Do not breathe spray. Prepare a fresh solution at least daily or when use solution becomes diluted or soiled. Rinse all surfaces that come in contact with food such as countertops, appliances, tables and stovetops with potable water before reuse. Do not use this product to clean or disinfect utensils, glassware or dishes.

**Mold and Mildew Control:** To control the growth of mold and mildew and their odors, use at a rate of 1:8 on hard, non-porous surfaces, apply use solution to thoroughly wet all treated surfaces completely. Let air dry. Repeat application weekly or when growth or odor reappears. Allow surface to remain wet for ten (10) minutes.

#### FUNGICIDAL DIRECTIONS

For use in areas such as locker rooms, dressing rooms, shower and bath areas and exercise facilities. Apply to hard, non-porous surfaces at a 1:32 dilution, thoroughly wetting all surfaces for a contact time of at least 10 minutes. Wipe surfaces or let air dry.

**Cleaning And Disinfection:** For all general cleaning and disinfection, use 4 ounces of this product per one gallon of water (1:32 solution). Apply this product using a cloth, mop or pressure sprayer so as to thoroughly wet surface to be disinfected. Allow to remain wet for 10 minutes and then let air dry. For heavily soiled areas, a precleaning step is required. Prepare a fresh solution after each use.

#### FOOD SERVICE

A potable water rinse is required for food contact surfaces. Do not use this product to clean or disinfect utensils, glassware, dishes or interior surfaces of appliances.

**Directions for Food Processing Plants:** For use on non-food contact surfaces such as floors, walls, tables, garbage cans and disposal areas. Follow Disinfection directions.

**Directions for Food Storage Areas:** For use on non-food contact surfaces such as shelves, floors, walls and tables. Before using this product, food products and packaging materials must be removed from the room or carefully protected. Then follow Disinfection directions.

**For Use as a (General) Cleaner and or Deodorizer:** Apply use solution to surfaces. Wipe surfaces (and let air dry).

For heavy-duty use, add 16 ounces per gallon of water (1:8) to clean hard, non-porous surfaces.

**\*KILLS HIV, HBV AND HCV ON PRECLEANED ENVIRONMENTAL SURFACES/OBJECTS PREVIOUSLY SOILED WITH BLOOD/BODY FLUIDS** in health care settings or other settings in which there is an expected likelihood of soiling on 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), (Duck) 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:** Clean up should always be done wearing protective latex gloves, gowns, masks and eye protection.

**Cleaning Procedure:** Blood and other body fluids must be thoroughly cleaned from surfaces and objects before application of this product.

**Contact Time:** Leave surface wet for 10 minutes with 4 ounces per gallon use solution.

**Disposal of Infectious Materials:** Blood, body fluids, cleaning materials and clothing should be autoclaved and disposed of according to federal, state and local regulations for infectious waste disposal.

#### First Aid

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

**IF ON SKIN OR CLOTHING:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

**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 a 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 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

#### PRECAUTIONARY STATEMENTS

##### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

#### DANGER

**KEEP OUT OF REACH OF CHILDREN.** Corrosive. Causes irreversible eye damage and skin burns. Harmful if swallowed, inhaled or absorbed through the skin. Avoid breathing spray mist. Do not get in eyes, on skin, or on clothing. Wear goggles or face shield, rubber gloves and protective clothing when handling. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco. Remove contaminated clothing and wash clothing before reuse.

#### PHYSICAL OR CHEMICAL HAZARDS

Do not mix with oxidizers, anionic soaps and detergents. Do not use or store near heat or open flame.

#### STORAGE AND DISPOSAL

Store in original container in areas inaccessible to children. Do not store on side. Avoid creasing or impacting of side walls. Do not reuse empty container. Wrap and discard in trash (or recycle).



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