

*A-456-N* is a neutral pH, "one-step" disinfectant-cleanser and odor counteractant.

*A-456-N* with its cleaning and odor counteraction abilities is recommended for disinfecting and cleaning of floors, walls and other hard non-porous environmental surfaces such as tables, chairs, countertops, bathroom fixtures, sinks, shelves, racks, carts, refrigerator exteriors, non-food contact surfaces of coolers, glazed tile, linoleum, vinyl, glazed porcelain, plastic (such as polyethylene, polypropylene, polystyrene, polyvinylchloride, polycarbonate, and polymethyl methacrylate), metal, glass, or painted, varnished or lacquered surfaces. Will not harm finished floors. Not for use on medical devices or on medical equipment surfaces.

**Areas of Use:** Hospitals, nursing homes, other health-care facilities, schools and colleges, veterinary clinics and animal life science laboratories, industrial facilities, dietary areas, office buildings, recreational facilities, retail and wholesale establishments.

When used as directed, this product will deodorize surfaces in toilet areas, behind and under sinks and counters, garbage cans and garbage storage areas, and other places where bacterial growth can cause mal odors. A potable water rinse is required when used on a food contact surface.

#### DIRECTIONS FOR USE

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

**DISINFECTION:** For hospital disinfection against *Pseudomonas aeruginosa*, *Staphylococcus aureus*, and *Salmonella choleraesuis* and cleaning of hard non-porous surfaces use 1/2 ounce per gallon of water (1.25%). Apply solution with a cloth, mop, brush, scrubber, or by soaking. Allow to remain wet for at least 10 minutes. Remove solution and entrapped soil with a clean, wet mop, cloth or wet vacuum pickup. For heavily soiled areas, a precleaning step is required. Rinsing is not necessary on non-food contact surfaces. Do not use this product to clean or disinfect glassware, dishes or silverware. Prepare a fresh solution at least daily or when solution is visibly dirty.

Effective at 1:256 against the following pathogenic bacteria according to the AOAC Use-Dilution Test modified in the presence of 5% blood serum:

<i>Pseudomonas aeruginosa</i>	<i>Klebsiella pneumoniae</i>	<i>Staphylococcus aureus</i> (antibiotic resistant)
<i>Staphylococcus aureus</i>	<i>Proteus vulgaris</i>	<i>Streptococcus faecalis</i> (antibiotic resistant)
<i>Salmonella choleraesuis</i>	<i>Serratia marcescens</i>	<i>Escherichia coli</i> (antibiotic resistant)
<i>Enterobacter cloacae</i>	<i>Shigella flexneri</i>	<i>Klebsiella pneumoniae</i> (antibiotic resistant)
<i>Streptococcus pyogenes</i>	<i>Shigella sonnei</i>	<i>Staphylococcus epidermidis</i> (antibiotic resistant)
<i>Streptococcus faecalis</i>	<i>Salmonella typhi</i>	<i>Pseudomonas aeruginosa</i> (antibiotic resistant)
<i>Enterobacter aerogenes</i>	<i>Proteus mirabilis</i>	<i>Listobacterium necrophorum</i>
<i>Salmonella typhimurium</i>	<i>Escherichia coli</i>	<i>Enterococcus faecalis</i> (vancomycin resistant)

**FUNGICIDAL:** Fungicidal against *Trichophyton mentagrophytes* (the athlete's foot fungus) on surfaces in locker rooms, dressing rooms, shower and bath areas and exercise facilities. Fungicidal against

*Trichophyton mentagrophytes* (the athlete's foot fungus) and *Candida albicans* according to the AOAC Fungicidal Test modified in the presence of 5% blood serum at 1:256.

**VIRUCIDAL:** "Virucidal against *HIV-1* (AIDS virus), *HBV* (Hepatitis B Virus), *HCV* (Hepatitis C Virus), *Adenovirus type 4*, *Herpes simplex Type 1 and Type 2*, *Influenza A2/Hong Kong*, *Rubella*, *Vaccinia*, *Feline picornavirus* (Calicivirus), *Feline leukemia*, *Canine distemper*, *Rabies*, *Porcine parvovirus*, *Pseudorabies*, and *Infectious bronchitis* (Avian IBV) according to the Virucidal Qualification Test, modified in the presence of 5% blood serum at a 1:256.

**KILLS HIV (AIDS VIRUS) AND HBV (HEPATITIS B VIRUS) AND HCV (HEPATITIS C VIRUS) ON PRE-CLEANED 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 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). *A-456-N* is effective as a virucide at 1/2 ounce per gallon of water on hard, non-porous surfaces when used in health care settings where the potential for the transmission of HIV-1 (AIDS virus) or HBV (Hepatitis B Virus) or HCV (Hepatitis C Virus) on inanimate surfaces is likely.

**SPECIAL INSTRUCTIONS FOR CLEANING AND DECONTAMINATION AGAINST HIV-1 OR HBV OR HCV ON SURFACES/OBJECTS SOILED WITH BLOOD/BODY FLUIDS.**

**Personal Protection:** When handling items soiled with blood or body fluids, wear personal protection such as disposable latex gloves, gowns, masks, or eye coverings to guard against contact with these fluids.

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

**Contact Time:** HIV-1 is inactivated after a contact time of 4 minutes at room temperature (20-25°C). HBV or HCV are inactivated after a 10 minute contact time. Use a ten minute contact time for all other bacteria, fungi, and viruses claimed (listed on label).

**Disposal of Infectious Materials:** Blood and other body fluids should be autoclaved or incinerated and disposed of according to local regulations for infectious waste disposal.

**For Use in Veterinary Clinics, Animal Care, and Animal Laboratories:** For cleaning and disinfecting the following hard nonporous surfaces: equipment not used for feeding or watering animals, utensils, instruments, cages, kennels, stables, catteries, etc. Remove all animals and feeds from premises, animal transportation vehicles, crates, etc. Remove all litter, droppings and manure from floors, walls and surfaces of facilities occupied or traversed by animals. Thoroughly clean all surfaces with soap or detergent and water and rinse with water. Saturate surfaces with a use-solution of 1/2 ounce of product per gallon of water and allow to remain wet for 10 minutes. Ventilate buildings and other closed spaces. Do not house animals or employ equipment until treatment has been absorbed, set or dried.

**For product information, call: 1-800-328-0026.**

**airkem**  
brand

DISINFECTANT

# A-456-N

*Neutral Detergent/Disinfectant/Fungicide/  
Virucide\*/Odor Counteractant For Hospital,  
Veterinary and Industrial Use*

#### ACTIVE INGREDIENTS:

Didecyl Dimethyl Ammonium Chloride ..... 10.29%

n-Alkyl (50% C<sub>14</sub>, 40% C<sub>12</sub>, 10% C<sub>16</sub>) .....

Dimethyl Benzyl Ammonium Chloride ..... 6.86%

**INERT INGREDIENTS:**..... 82.85%

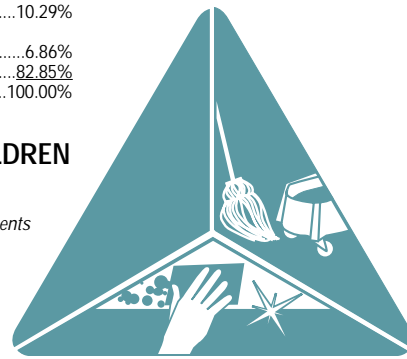
**TOTAL:**..... 100.00%

**KEEP OUT OF REACH OF CHILDREN  
DANGER**

*See side panel for additional precautionary statements  
and first aid instructions.*

**ECOLAB®**

*Net Contents: 1 U.S. gal/3.78 L*



#### STORAGE & DISPOSAL

Store in original container in areas inaccessible to children and persons unfamiliar with its proper use. Do not reuse container. Wrap container and discard in the trash.

#### FOR INDUSTRIAL USE ONLY

#### PRECAUTIONARY STATEMENTS

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**DANGER:** Corrosive. Causes irreversible eye damage and skin burns. Harmful if swallowed or absorbed through the skin. Do not get in eyes, on skin or on clothing. Wear protective eyewear (goggles, face shield, or safety glasses) and protective clothing when handling. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

#### FIRST AID

**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 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 SWALLOWED:** Call a poison control center or doctor 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.

**FOR EMERGENCY MEDICAL INFORMATION, CALL TOLL-FREE 1-800-328-0026.**

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

**NOTE TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage.

**PELIGRO: SI NO PUEDE LEER EN INGLES, PREGUNTE A SU SUPERVISOR SOBRE LAS INSTRUCCIONES DE USO APROPIADAS ANTES DE TRABAJAR CON ESTE PRODUCTO.**

EPA Reg. No. 42964-31

EPA Est. 303-IN-1 (L), 1677-IL-2 (J), 1677-MN-1 (P), 1677-CA-1 (S), 1677-NJ-1 (W), 1677-PR-1 (B),

1677-TX-1 (D), 1677-OH-1 (H), 1677-GA-1 (M), 1677-CA-2 (R), 1677-WV-1 (V).

Superscript refers to first letter of date code.

Airkem Professional Products, Division of Ecolab Inc.

370 Wabasha Street N., St. Paul, MN 55102

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1 gallon sleeve dieline/Gen Spec #570705

master: abm #570705 700203/89 colors: pms 3258 Aqua, 5483 Green, Black  
label type: poly sleeve with white cylinder