

A-464-N is a fluid, pH "one-step" disinfectant, cleaner and odor counteractant effective in hard waters up to 400 ppm hard water (calculated as CaCO<sub>3</sub>), plus 5% blood serum.

A-464-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, asphalt, 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 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. This product is not intended for use as a toilet bowl disinfectant.

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.

#### 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 2 ounces or 1/4 cup per gallon of water (1:64) up to 400 ppm hardness and 5% blood serum. Apply solution with a cloth, mop, brush, scrubber, coarse spray device 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. Food contact surfaces must be thoroughly rinsed with potable water. Do not use this product to clean or disinfect glassware, dishes, or silverware. Prepare a fresh solution at least daily or when solution becomes visibly dirty.

Effective at 1:64 against the following pathogenic bacteria according to the AOAC Use-Dilution Test modified in the presence of 400 ppm synthetic hard water and 5% blood serum:

<i>Pseudomonas aeruginosa</i>	<i>Shigella flexneri</i>	<i>Streptococcus faecalis</i> (antibiotic resistant)
<i>Staphylococcus aureus</i>	<i>Shigella sonnei</i>	<i>Klebsiella pneumoniae</i> (antibiotic resistant)
<i>Salmonella choleraesuis</i>	<i>Salmonella typhi</i>	<i>Staphylococcus aureus</i> (antibiotic resistant)
<i>Enterobacter cloacae</i>	<i>Proteus mirabilis</i>	<i>Staphylococcus epidermidis</i> (antibiotic resistant)
<i>Streptococcus pyogenes</i>	<i>Escherichia coli</i>	<i>Escherichia coli</i> (antibiotic resistant)
<i>Streptococcus faecalis</i>	<i>Proteus vulgaris</i>	<i>Pseudomonas aeruginosa</i> (antibiotic resistant)
<i>Enterobacter aerogenes</i>	<i>Klebsiella pneumoniae</i>	<i>Fusobacterium necrophorum</i>
<i>Salmonella typhimurium</i>	<i>Serratia marcescens</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 400 ppm hard water and 5% blood serum at 1:64.

**VIROCIDAL:** 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 400 ppm hard water and 5% blood serum at 1:64.

**KILLS HIV (AIDS VIRUS) AND HBV (HEPATITIS B VIRUS) AND HCV (HEPATITIS C VIRUS) ON PRECLEANED ENVIRONMENTAL SURFACES/OBJECTS PREVIOUSLY SOILED WITH BLOOD/BODY FLUIDS** in health care setting 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 HIV-1 (AIDS Virus) or HBV (Hepatitis B Virus) or HCV (Hepatitis C Virus). A-464-N is effective as a virucide against HIV-1 (AIDS Virus) at 2 ounces per gallon of water on hard, non-porous surfaces in the presence of 400 ppm hard water.

**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 and HCV are inactivated after a 10 minute contact time. Use a ten minute contact time for disinfection against 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 undiluted product and allow to remain wet for 10 minutes. Immerse all halters, ropes, and other types of equipment used in handling and restraining animals, as well as forks, shovels, and scrapers used for removing litter and manure. 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: 1-800-332-6522.**

airkem  
brand

DISINFECTANT

# A-464-N

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

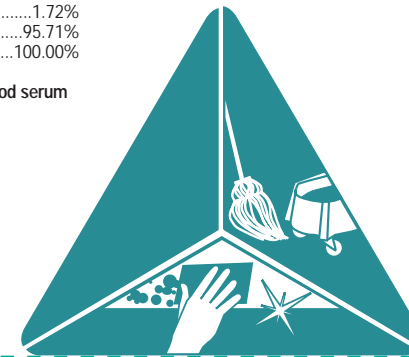
**ACTIVE INGREDIENTS:**  
Didecyl Dimethyl Ammonium Chloride ..... 2.57%  
n-Alkyl (50% C<sub>14</sub>, 40% C<sub>12</sub>, 10% C<sub>16</sub>) ..... 1.72%  
Dimethyl Benzyl Ammonium Chloride ..... 95.71%  
**INERT INGREDIENTS:** ..... 100.00%  
**TOTAL** ..... 100.00%  
Effective in hard water up to 400 ppm hardness  
(calculated as CaCO<sub>3</sub>) in the presence of 5% blood serum

**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.

#### PRECAUTIONARY STATEMENTS

##### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**DANGER:** Corrosive. Causes irreversible eye 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 a 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. 42964-34  
EPA Est. 1677-IL-2 (J), 1677-NJ-1 (W), 1677-TX-1 (D), 1677-GA-1 (M), 1677-MN-1 (P),  
1677-CA-1 (S), 1677-PR-1 (B), 1677-OH-1 (H), 303-IN-1 (L), 1677-CA-2 (R), 1677-WV-1 (V).  
Superscript refers to first letter of date code.

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1 gallon sleeve dieline/Gen Spec #570705