

# A-500

*Dental*

## 1/2 OZ. PREMEASURED PACKET DETERGENT DISINFECTANT ODOR COUNTERACTANT FOR HOSPITAL AND INDUSTRIAL USE

Effective in hard water up to 500 ppm (calculated as CaCO<sub>3</sub>) in the presence of 5% blood serum and soap film residue.

### ACTIVE INGREDIENTS

Octyl decyl dimethyl ammonium chloride .....	15.36%
Dioctyl dimethyl ammonium chloride .....	0.768%
Didecyl dimethyl ammonium chloride .....	0.768%
Alkyl (67% C <sub>12</sub> , 25% C <sub>14</sub> , 7% C <sub>16</sub> , 1% C <sub>18</sub> , C <sub>20</sub> , C <sub>22</sub> ) dimethyl benzyl ammonium chloride .....	12.208%
<b>INERT INGREDIENTS</b> .....	<b>84.640%</b>
<small>(Includes essential oil odor control agents)</small>	

**KEEP OUT OF REACH OF CHILDREN  
DANGER**

*See Statement of Practical Treatment and Other Precautions on Side Panel*

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

**Net Weight: 3.0 lbs**

**Net Contents: Approx. 90 Water Soluble Packets Weighing 1/2 oz.**



**Airkem**® A Service of  
**ECOLAB**®  
PROFESSIONAL PRODUCTS

EPA Reg. No. 42964-25  
EPA Est. 1677 NJ-1 (M)  
48275 R.1 (M)  
THE SUPERSCRIP<sup>T</sup> REFERS TO  
THE FIRST LETTER OF THE DATE CODE

**ACCEPTED**  
**JUL 31 1992**  
Under the Federal Insecticide,  
Fungicide, and Rodenticide Act,  
as amended, for the pesticide  
registered under  
EPA Reg. No. 42964-25

**BEST AVAILABLE COPY**

A 500 has been found effective against Human Immunodeficiency Virus, HIV-1, commonly known as the AIDS virus, on nonporous surfaces when tested according to EPA virucidal test requirements.

A 500 is a complete one-step disinfectant cleaner fungicide milder detergent-odor counteractant which is effective in water up to 500 ppm hardness in the presence of 5% blood serum and soap film residue when used as directed.

Airkem's A 500 is a concentrated, premeasured disinfectant odor counteractant. It is low foaming and phosphate free and specially formulated with nonionic synthetic detergents and alkaline builders giving it exceptional cleaning and wetting properties.

A 500 with its cleaning and odor counteraction abilities is recommended for disinfecting and cleaning of floors, walls and other hard nonporous environmental surfaces such as tables, chairs, counter tops, bathroom fixtures, sinks, bed frames, shelves, racks, carts, refrigerators, coccars, tile, rubber, linoleum, vinyl, asphalt, porcelain, plastic, metal, glass, or painted, varnished or lacquered surfaces.

Areas Of Use: Hospital, nursing homes, other health care facilities, schools, colleges, veterinary clinics, animal life science laboratories, industrial facilities, USDA inspected food processing facilities and other food processing plants, 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.

**DIRECTIONS FOR USE:**

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

Prepare a fresh solution daily or when it becomes soiled or diluted.

**Use:** For hospital disinfecting and cleaning of nonporous hard surfaces, dilute one packet per gallon of warm water. Stir gently for a uniform solution. Apply solution with cloth, mop, sponge brush, scrubber, powered or mechanical spray device or by soaking, so as to wet all surfaces thoroughly. Allow to remain wet for at least ten minutes. Remove solution and entrapped soil with a clean, wet mop, cloth or wet vacuum pickup. For heavily soiled areas, a pre-cleaning step is required. A 500 may be used at recommended dilution on conductive flooring without any deleterious effect. When used as a hospital disinfectant (1/2 oz. to 1 gallon), A 500 provides 600 ppm of one of the more potent combinations of germicides commercially available to provide effectiveness in up to 500 ppm hard water, and in the presence of protein 6% blood serum and dried soap film residues.

**Effective as a Virucide:** On environmental surfaces A 500 kills viruses such as Human Immunodeficiency Virus, HIV 1 (commonly known as the AIDS virus), Influenza A, Japan B25.57 Usual, Parainfluenza 1, Herpes simplex type 1, Herpes simplex type 2; *Coxsackievirus*; *Coxsackievirus*; *Feline pneumonitis*; *Feline rhinotracheitis*; *Adenovirus type 2*; and *Moraxella* in the presence of 500 ppm hard water and protein provided as 5% blood serum.

*Reovirus Type 3*

\* Tested in the presence of residual soap sium.

**Special instructions for cleaning and decontamination against HIV on surfaces/subjects soiled with blood/body fluids.**

A 500 is effective as a virucide against HIV 1 (AIDS virus) on hard, non-porous surfaces in the presence of moderate amounts of organic soil (10% blood serum) when used in health care settings where the potential for the presence of HIV 1 (AIDS virus) on nonporous surfaces is likely.

**PERSONAL PROTECTION:** When handling items soiled with blood or body fluids, wear personal protection such as disposable latex gloves, gowns, masks, or eye coverings.

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

**CONTACT TIME:** 10 minutes.

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

**Mold and Mildewcides:** Apply to surface, wetting it thoroughly. If not washed or rubbed off, it will control the growth of mold and mildew and the odors caused by them on environmental surfaces for a period of 14 days. To maintain long-term control, repeat application in 14 days or when new growth appears.

**Fungicide:** Kills *Trichophyton interdigitale*, *Trichophyton mentagrophytes* (Athlete Foot Fung), *Candida albicans* (pathogenic yeast), *Corticium cantharellis* (isolated from human), and *Microporum canis* (human, animal pathogen) in the presence of protein 6%, blood serum and soap sium in 500 ppm hard water when tested according to A.D.A.C. Fungicidal Test. Is an effective fungicide when used on surfaces in areas such as locker rooms, dressing rooms, shower and bath areas, tanning facilities.

**Other Organisms:** A 500 has been found to be an effective disinfectant against a broad spectrum of bacteria, both gram positive and gram negative organisms under the same severe test conditions listed.

<i>Staphylococcus aureus</i>	ATCC # 8538	<i>Streptococcus faecalis</i>	ATCC # 8208	<i>Proteus mirabilis</i>	ATCC # 3298
<i>Salmonella choleraesuis</i>	ATCC # 10780	<i>Streptococcus pyogenes</i>	ATCC # 19615	<i>Salmonella enteritidis</i>	ATCC # 13036
<i>Pseudomonas aeruginosa</i>	ATCC # 15442	<i>Staphylococcus species</i>	ATCC # 12215	<i>Salmonella schenckii</i>	ATCC # 10710
<i>Proteus vulgaris</i>	ATCC # 13215	<i>Vibrio cholerae</i>	ATCC # 25873	<i>Salmonella typhimurium</i>	ATCC # 13311
<i>Escherichia coli</i>	ATCC # 11229	<i>Corynebacterium diphtheriae</i>	ATCC # 11213	<i>Shigella sonnei</i>	ATCC # 22631
<i>Enterobacter aerogenes</i>	ATCC # 13636	<i>Neisseria gonorrhoea</i>	ATCC # 19424	<i>Staphylococcus epidermidis</i>	ATCC # 12228
<i>Micobacterium avium</i>	ATCC # 27173	<i>Serratia marcescens</i>	ATCC # 9183	<i>Streptococcus mitis</i>	ATCC # 25175
<i>Pseudomonas citrea</i>	ATCC # 25416	<i>Shigella flexneri</i>	ATCC # 25815	<i>Micrococcus luteus</i>	ATCC # 14652
<i>Salmonella gallinarum</i>	ATCC # 9104	<i>Shigella sonnei</i>	ATCC # 4382	<i>Escherichia coli</i>	ATCC # 29411
<i>Salmonella typhi</i>	ATCC # 9538	<i>Brucella abortus</i>	ATCC # 19772	<i>Campylobacter fetus</i>	ATCC # 77374
<i>Shigella dysenteriae</i>	ATCC # 25828	<i>Lactobacillus casei</i>	ATCC # 11414	<i>Haemophilus influenzae</i>	ATCC # 10218
<i>Staphylococcus aureus</i>	ATCC # 11414				

A 500 has been tested and determined safe to use on conductive flooring without any deleterious effects.

**PRECAUTIONARY STATEMENTS: HAZARDS TO HUMANS AND DOMESTIC ANIMALS.**

**DANGER:** Corrosive. Causes eye and skin damage. Harmful if swallowed. Do not get in eyes, on skin or clothing. Wear rubber gloves when handling packets. Avoid contamination of food.

**STATEMENT OF PRACTICAL TREATMENT:** In case of contact, immediately flush eyes or skin with plenty of water for 15 minutes. Call physician. Remove contaminated clothing and wash before reuse. If swallowed, drink promptly a large quantity of tepid water, gelatin solution or sugar. Avoid alcohol. Never give anything by mouth to an unconscious person.

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

**FOR EMERGENCY MEDICAL INFORMATION, CALL TOLL FREE 1-800-328-8026.**

In use solution has a primary skin irritation value of 0.30

**STORAGE AND DISPOSAL**

Do Not Contaminate Water, Food or Feed by Storage or Disposal.

**Storage:** Store in a cool, dry place. Do not handle packets with wet hands. Do not remove packets before use. Keep container tightly closed when not in use. Do not freeze.

**Container Disposal:** Triple rinse for equivalent. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

**Pesticide Disposal:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or residue 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.

Airkem Professional Products Division of ECOLAB INC.

Ecolab Center, St. Paul, MN 55102

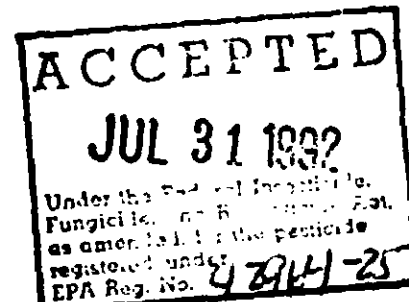
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**Dental Evacuation System Sanitizer**

For evacuation system sanitizing and cleaning, dilute one water soluble packet per gallon of warm water. Stir gently for a uniform solution. Aspirate approximately 1 pint (8 pints per gallon) of solution through the HVE (high volume evacuator) and SE (saliva ejector) suction handpieces. Repeat this procedure for all operatories.

For Best Results: Use this product daily at the end of the workday, allowing the solution to totally saturate and free system piping of all infectious materials overnight.

**INSERT 2**

*Staphylococcus aureus* HL121 (methicillin resistant)

**INSERT 3****PRECAUTIONARY STATEMENTS - HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**DANGER:** Corrosive. Powder causes eye and skin damage. Do not get in eyes, on skin or clothing. Wear chemical goggles and rubber gloves when handling packets. Harmful if swallowed. Remove contaminated clothing and wash before reuse. Avoid contamination of food.

**STATEMENT OF PRACTICAL TREATMENT**

**IF IN EYES:** Flush immediately with cool water. Remove contact lenses. Continue flushing for 15 minutes, holding eyelids apart. Get prompt medical attention.

**IF ON SKIN:** Wash with plenty of soap and water. Get medical attention if irritation persists.

**IF SWALLOWED:** Rinse mouth at once; then drink one or two glasses of water. **DO NOT INDUCE VOMITING.** Never give anything by mouth to an unconscious person. **CALL A POISON CONTROL CENTER OR PHYSICIAN IMMEDIATELY.**

