

PM 31

42964-31

11/9/99

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Airken Professional Products  
Division of Ecolab Inc.  
370 N. Wabasha Street  
St. Paul, MN 55102

NOV 09 1999

Subject: A-456-N  
EPA Registration No. 42964-31  
Received Date of August 12, 1999

Attn: Ann M. Oxford  
Manager, Regulatory Services

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. The certified upper and lower limits are in compliance with the Agency standards set forth in 40 CFR, Part 158.175(b)(2), the ingredient claims statement on the label is in agreement with the Confidential Statement of Formula (CSF) which is in compliance with PR Notice 91-2 and all ingredients have been approved by the Agency for use in pesticides. The CSF have no signatures, although the name of the approving official has been typed in the appropriate space,

The revised CSF, dated July 27, 1999 are acceptable when signed documents are received from you and the request for an amendment to the registration is approved.

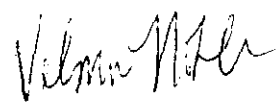
A stamped copy of the label is enclosed for your records. Submit one (1) copy of the final printed label before this product is released for shipment. According to the Label Review Manual (2nd Edition), Chapter 6, the ingredient statement should be revised to reflect the following:

Active Ingredient:  
Inert Ingredient:  
Total: ..... 100%

Please make the above changes to the label. If you have any questions concerning the comments in this letter, you should contact Zenobia Jones at (703) 308-6198.

CONCURRENCES							
SYMBOL	1510W						
SURNAME	Z. Jones						
DATE	11-4-99						

Sincerely,



**Velma Noble**  
**Product Manager 31**  
**Regulatory Management Branch 1**  
**Antimicrobial Division (7510W)**



# A-456<sup>®</sup>-N

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

Effective in hard water up to 400 ppm hardness  
(calculated as CaCO<sub>3</sub>) in the presence of 5% blood serum

**ACTIVE INGREDIENTS:**

Didecyl Dimethyl Ammonium Chloride	9.22%
n-Alkyl (50% C <sub>14</sub> , 40% C <sub>12</sub> , 10% C <sub>16</sub> ) Dimethyl Benzyl Ammonium Chloride	6.14%
<b>INERT INGREDIENTS:</b>	84.64%

**KEEP OUT OF REACH  
OF CHILDREN  
DANGER**

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

**FOR INDUSTRIAL USE ONLY**

**ECOLAB<sup>®</sup>**

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

main panel 25.6 picas

Style Sheets & Art Library available for this Master.

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**DANGER: CORROSIVE.** Causes eye and skin damage. Do not get in eyes, on skin or on clothing. Wear safety glasses or goggles and rubber gloves when handling the product concentrate. Harmful if swallowed. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

**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.**

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

**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.**

**STORAGE AND DISPOSAL**

Do not contaminate water, food or feed by storage or disposal.

**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:** Do not reuse empty containers. Wrap container and put in trash.

24.6 picas

7/28

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

NOV 9 1993  
Under the Federal Insecticide,  
Fungicide, and Rodenticide Act as  
amended, for the pesticide,  
registered under EPA Reg. No. 42964-31

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COPY 4 1/16—24.6 (PICAS/POINTS)

A-456-N is a neutral pH, "one-step" disinfectant-cleaner and odor counteractant effective in hard waters up to 400 ppm (calculated as CaCO<sub>3</sub>), plus 5% blood serum.

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, refrigerators, coolers, 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. Safe for use on all 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.

**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 (1.256) up to 400 ppm hardness and 5% blood serum. 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.

Effective at 1:256 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>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>Fusobacterium necrophorum</i>
<i>Salmonella typhimurium</i>	<i>Escherichia coli</i>	<i>Enterococcus faecalis</i> (vancomycin resistant)

24.6 picas

PPI Master Form: 1 gal poly/disinf/epa 2/99 Quark XPress  
 1 gallon polyethylene specification with or without back up (cylinder) plate.  
 SIZE: 19" x 4 7/16" (back up cylinder) 18 5/8" x 4 1/16" copy/art print area.

Fungicidal against *Trichophyton mentagrophytes* and *Candida albicans* according to the AOAC Fungicidal Test, modified in the presence of 400 ppm hard water and 5% blood serum at 1:256.

\*Virucidal against HIV-1 (AIDS virus), *Adenovirus type 4*, *Herpes simplex Type 1 and Type 2*, *Influenza type A/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 a 1:256.

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

KILLS HIV 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 against HIV-1 (AIDS virus) at 1/2 ounce per gallon of water on hard, non-porous surfaces in the presence of 400 ppm hard water when used in health care settings where the potential for the presence of HIV-1 (AIDS virus) on inanimate 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 to protect 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:** 4 minutes at room temperature (20-25°C). 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.

EPA Reg. No. 42964-31

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).

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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25.6 picas

Inks: PMS 3258 aqua, 5483 blue/gray & Black  
 Cylinder backup color: white  
 Form number: 700203/89

ACCEPTED  
 with COMMENTS  
 in EPA Letter Dated:

NOV 9 1999

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

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