

PM 31 Reg. No. 42964-5 1/2

# A-33<sup>®</sup>

## DETERGENT/DISINFECTANT-ODOR COUNTERACTANT FOR HOSPITAL AND INSTITUTIONAL USE

**Active Ingredients**

n-alkyl (60% C<sub>14</sub>, 30% C<sub>16</sub>, 5% C<sub>12</sub>, 5% C<sub>18</sub>) dimethyl benzyl ammonium chlorides..... 3.0%

Inert Ingredients: ..... 97.0%

**KEEP OUT OF REACH OF CHILDREN**

### WARNING

*See Back Panel for Additional Precautionary Statements and First Aid Instructions.*

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

**ACCEPTED**  
**AUG 28 1992**  
Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 42964-5

**Net Contents: 5 Gallons  
(18.9 Liters)**



EPA Reg. No. 42964-5  
EPA Est. 1877-IL-2 LA 1877-CA-1 040 1877-PA-1 001  
1877-PL-1 000 1877-AM-1 001 1877-R-3 001  
1877-TX-1 000 1877-CA-1 001

*Superscript refers to first letter of date code*

is an effective agent against human immunodeficiency virus, HIV-1, commonly known as the AIDS virus, on hard, nonporous inanimate surfaces when tested according to EPA virucidal test requirements.

A-33 is a balanced formulation combining Airkem's odor counteractants, a non-ionic synthetic detergent, a quaternary ammonium compound, chelating agents and synergizing builders... for effective one-step cleaning, disinfecting and counteracting of odors in the presence of protein (5% blood serum) and soap film residue when used as directed.

A-33 is intended as a cleaner where disinfection and odor counteraction are also indicated. It is for washing hard, nonporous inanimate environmental surfaces such as glazed porcelain, glazed tile, glass, stainless steel, chrome, rubber, plastic (such as polycarbonate, polystyrene, acrylic, etc.), metal, and does not damage washable hard, nonporous painted, varnished or lacquered surfaces. It can be used on hard, nonporous surfaces such as walls, tables, floors, chairs, countertops, bathroom fixtures, sinks, bed frames, shelves, racks, carts, refrigerators, and other similar surfaces. Because A-33 rinses without spotting, it is particularly suitable for linoleum, rubber sealed cork, vinyl and asphalt tile floors. It has rinsing qualities and is a cleaner for marble or terrazzo. A-33 is recommended for use on conductive flooring.

**Areas of Use:** Hospitals, nursing homes, other healthcare 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 more often when the solution becomes diluted or soiled. Do not mix with other chemicals or products including anionic soaps and detergents. Remove gross filth or heavy soil prior to application of this product.

Mix 2 oz. of A-33 with one gallon of water—hot or cold. Apply use dilution with a cloth, mop, sponge, brush, scrubber, powered or mechanical spray device or by soaking. Wet all surfaces thoroughly and allow to remain wet for 10 minutes. No rinse necessary.

As a detergent: A-33's detergent in combination with synergizing builders (a) loosen soil through wetting and penetrating action; (b) suspend insoluble matter in solution; and (c) emulsify oil and grease. Low foaming A-33 leaves surfaces without soil and film.

As a disinfectant: Used as directed (2 oz. per gal. or 1 to 64) A-33 provides approximately 469 ppm active quaternary. On hard, nonporous, inanimate environmental surfaces, A-33 eliminates a broad spectrum of gram positive and gram negative organisms such as those listed below.

A-33 was tested according to AQAAC Use Dilution Procedure at 1:64 against the following organisms in the presence of protein (5% blood serum) and soap scum:

<i>Staphylococcus aureus</i>	ATCC # 5538 ✓	<i>Serratia marcescens</i>	ATCC # 9133
<i>Salmonella choleraesuis</i>	ATCC # 10708 ✓	<i>Shigella flexneri</i>	ATCC # 25675 -
<i>Pseudomonas aeruginosa</i>	ATCC # 15442 -	<i>Klebsiella pneumoniae</i>	ATCC # 4352 -
<i>Proteus vulgaris</i>	ATCC # 13315 -	<i>Campylobacter fetus</i>	ATCC # 27374 -
<i>Escherichia coli</i>	ATCC # 11229 -	<i>Brevibacterium ammonigenes</i>	ATCC # 5872 -
<i>Enterobacter aerogenes</i>	ATCC # 13048 -	<i>Listeria monocytogenes</i>	clinical isolated -
<i>Micrococcus sedentarius</i>	ATCC # 27573 -	<i>Escherichia coli</i>	ATCC # 29181 -
<i>Pseudomonas cepacia</i>	ATCC # 25415 -	<i>Haemophilus influenzae</i>	ATCC # 15418 -
<i>Salmonella gallinarum</i>	ATCC # 9194 ✓	<i>Micrococcus luteus</i>	ATCC # 14452 -
<i>Salmonella typhi</i>	ATCC # 3539 ✓	<i>Proteus mirabilis</i>	ATCC # 35240
<i>Shigella dysenteriae</i>	ATCC # 25025 -	<i>Salmonella enteritidis</i>	ATCC # 13075 -
<i>Staphylococcus aureus</i>	ATCC # 11418 -	<i>Staphylococcus aureus</i> H2727	metabolic resistant -
<i>Streptococcus faecalis</i>	ATCC # 305 ✓	<i>Salmonella schenckii</i> 471	ATCC # 10710 -
<i>Streptococcus pyogenes</i>	ATCC # 13619 -	<i>Salmonella typhimurium</i>	ATCC # 13311 -
<i>Staphylococcus species</i>	ATCC # 12211 -	<i>Shigella sonnei</i>	ATCC # 25301 -
<i>Vibrio cholerae</i>	ATCC # 25873 -	<i>Staphylococcus epidermidis</i>	ATCC # 12223 -
<i>Corynebacterium diphtheriae</i>	ATCC # 11913 -	<i>Streptococcus mutans</i>	ATCC # 25175
<i>Neisseria gonorrhoeae</i>	ATCC # 4924 -		

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As a Fungicide at 1:64: Kills *Trichophyton mentagrophytes* (Athletes Foot Fungus), *Candida albicans* (pathogenic yeast), *Geotrichum candidum* (isolated from human), and *Micrasporium canis* (human, animal pathogen) in the presence of protein (5% blood serum) and soap scum when tested according to A.O.A.C. Fungicidal Test.

As a Mildewcide at 1:64: Kills *Aspergillus niger* which causes "Black Mildew" on contact on environmental surfaces.

As a Virucide at 1:64: On hard, nonporous, inanimate environmental surfaces A-33 kills *Human Immunodeficiency Virus*, HIV 1 (commonly known as the AIDS virus), *Influenza A*, (Aichi), *Parainfluenza 1/Senda52*, *Canine distemper*, *Feline pneumonitis*, *Herpes simplex type 1 and type 2*, *Vaccinia/Lederle Choroallantox*, *Feline herpesvirus* (Feline rhinotracheitis/C27), *Reovirus type 3/Abney*, and *Adenovirus type 7* in the presence of protein (5% blood serum) with a 10 minute contact time.

\* Tested in the presence of residual soap scum.

**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 potential for transmission of human immunodeficiency virus Type 1 (HIV-1) (associated with AIDS).

**SPECIAL INSTRUCTIONS for cleaning and decontamination against HIV 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.

**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.

As a Fungistat: Apply use dilution (1:64) to pre-cleaned hard nonporous surface. Wet surface thoroughly. If not washed or rubbed off, it will control the growth of mold and mildew on environmental surfaces for a period of 7 days. To maintain fungistatic control repeat application in 7 days or when new growth appears.

For other specialized cleaning and disinfecting operations, consult your local Airkem Professional Products representative.

## PRECAUTIONARY STATEMENTS—HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**WARNING:** May cause eye damage or skin irritation. Do not get in eyes, on skin or on clothing. Wear chemical goggles and rubber gloves. 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.**

**FOR EMERGENCY MEDICAL INFORMATION, CALL TOLL-FREE 1-800-328-0076**

## STORAGE AND DISPOSAL

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

**Storage:** Store at ambient temperature. Keep container tightly closed when not in use. Do not freeze.

**Container Disposal:** Triple rinse (or 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:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

