



Ecolab Center  
St. Paul, Minnesota 55102

Item #: 0050E  
Detergent/Disinfectant/Odor  
Counteractant 1/2 oz. Pakets

A-33 DRY

Item #: 0050F  
Detergent/Disinfectant/Odor  
Counteractant 1-1/2 oz. Pakets

A-33 DRY

61180204

\*MATERIAL SAFETY DATA SHEET\*

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MEDICAL EMERGENCY ONLY, 24 HOUR SERVICE: 1-800-328-0026

AIRKEM PROFESSIONAL PRODUCTS  
DIVISION OF ECOLAB INC.  
Ecolab Center, ST. PAUL, MN 55102  
Date of Issue: April 1, 1994

Product Information: Contact  
your local Airkem distributor.  
For local distributor telephone  
number: Call 1-800-247-5362.

1.0 IDENTIFICATION /

- 1.1 Product Name: A-33 DRY
- 1.2 Product Type: Powdered Cleaner/Disinfectant/Odor Counteractant
- 1.3 Hazard Rating: Health 2 Fire 0 Reactivity 0

++ SARA 313 Toxic Chemicals, If present, Are Preceded By "#" ++

2.0 HAZARDOUS COMPONENTS /

- |   | %  | (mg/m3) |       |
|---|----|---------|-------|
|   |    | PEL     | Other |
| 2.1 Quaternary ammonium chloride<br>CAS 32426-11-2 and 68424-85-1 | 15 | None    | UNK   |
- This product contains no other component considered hazardous according to the criteria of 29 CFR 1910.1200.

UNK = Unknown at this time  
STEL = 15 Minute Average

PEL = OSHA 8 Hour Average  
C = Ceiling Limit; Do Not Exceed

3.0 PHYSICAL DATA /

- 3.1 Appearance: Green powder; no specific odor
- 3.2 Solubility in Water: Complete
- 3.3 Use Solution pH: 10.1

4.0 FIRE AND EXPLOSION DATA /

- 4.1 Special Fire Hazards: None
- 4.2 Fire Fighting Methods: Product does not support combustion.

5.0 REACTIVITY DATA /

- 5.1 Stability: Stable under normal conditions of handling.
- 5.2 Conditions to Avoid: Do not mix with anything but water.

6.0 SPILL OR LEAK PROCEDURES / USE PROPER PROTECTIVE EQUIPMENT

- 6.1 Cleanup: Pick up without raising dust. Flush area with water.
- 6.2 Waste Disposal: Consult state and local authorities for restrictions on disposal of chemical waste.



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7.0 HEALTH HAZARD DATA /

DANGER

7.1 Effects of Overexposure to Concentrate:

EYES: Corrosive. Causes eye damage.

SKIN: Causes skin damage.

IF SWALLOWED: Harmful if swallowed.

7.2 Note: Use solutions are not hazardous according to the criteria of OSHA at 29 CFR 1910.1200.

8.0 FIRST AID /

EYES: Immediately flush with plenty of cool running water. Remove contact lenses. Continue flushing for at least 15 minutes, holding eyelids apart to ensure rinsing the entire eye. Call a physician.

SKIN: Immediately flush skin with plenty of cool running water. Get medical attention if irritation persists. Remove contaminated clothing and wash clothing before reuse.

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.

Note to Physician: Probable mucosal damage may contraindicate the use of gastric lavage.

IMMEDIATELY CALL A POISON CONTROL CENTER, A PHYSICIAN OR THE ECOLAB 24-HOUR MEDICAL EMERGENCY NUMBER (1-800-328-0026)

9.0 PROTECTIVE MEASURES /

9.1 FOR CONCENTRATE: Wear chemical goggles and gloves when handling packets. Do not handle packets with wet hands.

9.2 USE SOLUTIONS prepared according to label instructions are not considered hazardous according to criteria of 29 CFR 1910.1200.

10.0 ADDITIONAL INFORMATION/PRECAUTIONS /

10.1 DOT: Not DOT Regulated.

10.2 Store in a cool, dry place. Avoid contamination of food or food products. Do not store with food products.

KEEP OUT OF REACH OF CHILDREN

The above information is believed to be correct with respect to the formula used to manufacture the product. As data, standards and regulations change, and conditions of use and handling are beyond our control, NO WARRANTY, EXPRESS OR IMPLIED, IS MADE AS TO THE COMPLETENESS OR CONTINUING ACCURACY OF THIS INFORMATION.

# Airkem A-33<sup>®</sup> Dry

## Premeasured Detergent-Disinfectant-Odor Counteractant

Powerful, premeasured, one-step detergent-disinfectant-odor counteractant specially formulated for cleaning and disinfecting under such tough conditions as hard water, organic soils, and residual dried soap film. Effective

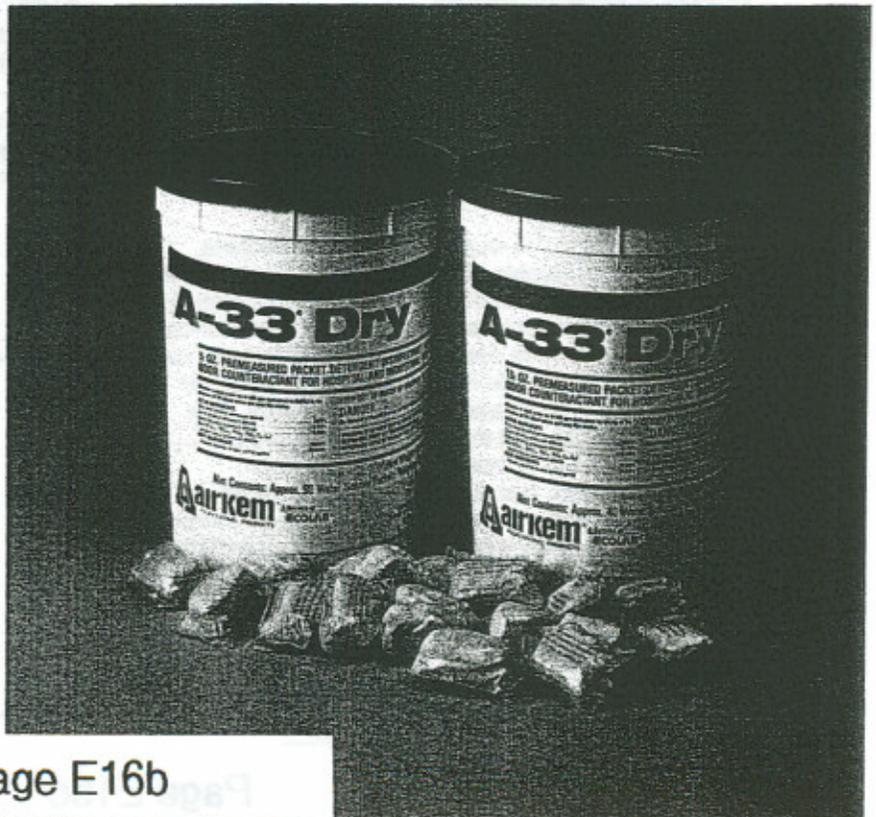
against a broad range of microorganisms, including HIV-1 and canine parvovirus. Easy-to-use 1:256 premeasured concentrate does the work of three products. EPA registered and USDA authorized.

### Features

- Effective in 5% blood serum, 500 ppm hard water, and residual soap film.
- One-step cleaner, disinfectant, and odor counteractant.
- Proprietary blend of four quaternary ammonium compounds.
- Unique formulation of nonionic synthetic detergents and alkaline builders.
- Biodegradable surfactants and phosphate free. One packet makes one gallon of use-dilution.
- Premeasured, individually wrapped water-soluble packets.
- Contains Airkem's pioneered true odor counteractant technology.

### Benefits

- Assures control of microbial contaminants even under severe conditions.
- Saves time, labor, and money. Leaves environment smelling fresh and clean.
- Kills a broad spectrum of gram positive and gram negative bacteria, fungi, and viruses, quickly and effectively.
- Free rinsing; no spotting or streaking. Safe on all painted surfaces and conductive flooring.
- Economical to use and environmentally safe.
- Eliminates waste and spillage, assures use-dilution accuracy, safe, requires less training time, and convenient to store, inventory, and transport.
- Fresh and clean-smelling air leaves no offensive perfume or harsh chemical odors. Sustains employee morale and enhances public image.



# A-33<sup>®</sup> Dry

**Premeasured Detergent-Disinfectant-Odor Counteractant**

A-33 Dry (600 ppm) has proven broad spectrum one-step disinfectant efficacy against the following gram positive and gram negative bacteria at an exposure time of 10 minutes in the presence of 500 ppm hard water, 5% blood serum, and soap scum:

## BACTERIA

Pseudomonas aeruginosa	ATCC 15442
Staphylococcus aureus	ATCC 6538
Salmonella choleraesuis	ATCC 10708
Brevibacterium ammoniagenes	ATCC 6872
Enterobacter aerogenes	ATCC 13048
Escherichia coli	ATCC 11229
Klebsiella pneumoniae	ATCC 4352
Listeria monocytogenes v. Scott A.	Clinical isolate
Micrococcus sedentarius	ATCC 27573
Proteus mirabilis	ATCC 9240
Proteus vulgaris	ATCC 13315
Pseudomonas cepacia	ATCC 25416
Salmonella enteritidis	ATCC 13076
Salmonella gallinarum	ATCC 9184
Salmonella schottmuelleri	ATCC 10719
Salmonella typhi	ATCC 6539
Salmonella typhimurium	ATCC 13311
Serratia marcescens	ATCC 9103
Shigella dysenteriae	ATCC 29026
Shigella flexneri	ATCC 25875
Shigella sonnei	ATCC 25931
Staphylococcus aureus	ATCC 14154
Staphylococcus epidermidis	ATCC 12228
Streptococcus faecalis	ATCC 828
Streptococcus mutans	ATCC 25175
Streptococcus pyogenes	ATCC 19615
Micrococcus luteus	ATCC 14452
Staphylococcus species	ATCC 12715

Escherichia coli	ATCC 29181
Vibrio cholerae	ATCC 25873
Campylobacter fetus	ATCC 27374
Corynebacterium diphtheriae	ATCC 11913
Haemophilus influenzae	ATCC 19418
Neisseria gonorrhoea	ATCC 19424

## VIRUSES

Human Immunodeficiency Virus (HIV-1)* (commonly known as the AIDS virus)	
Influenza A <sub>2</sub> /Japan/305/57	ATCC VR-100
Parainfluenza type 1 (Sendai)	ATCC VR-105
Herpes simplex, type 1	ATCC VR-260
Herpes simplex, type 2	ATCC VR-734
Vaccinia	ATCC VR-118
Canine distemper	ATCC VR-128
Feline pneumonitis	ATCC VR-120
Reovirus type 3	ATCC VR-232
Adenovirus type 2	ATCC VR-846
Feline rhinotracheitis	ATCC VR-636
Canine Parvovirus	ATCC VR-953

## FUNGI

Trichophyton mentagrophytes (interdigitale) (athlete's foot fungus)	ATCC 9533
Candida albicans (pathogenic yeast)	ATCC 18804
Geotrichum candidum (isolated from human)	ATCC 18301
Microsporum canis (human, animal pathogen)	ATCC 36299

- EPA registered hospital disinfectant.
- USDA authorized.
- Recommended for use on conductive flooring.
- Can be applied with a cloth, mop, brush, hand or tank sprayer, or pressure washer.

## APPLICATIONS

Safe to use on all hard, nonporous surfaces such as porcelain, chrome, sealed cork, marble, terrazzo, glass, plastic coverings, stainless steel, quarry tile, sealed wood flooring, linoleum, formica, resilient tile, conductive flooring, and washable painted surfaces.

## PACKAGING

A-33 DRY comes in 1½-ounce or ½-ounce packets, packaged in a resealable plastic container. Each has an area to mark in the custodian's name and work station. There are nine canisters per carton with 40, 1½-ounce packets or 90, ½-ounce packets in each. The ½-ounce packets are also available in a bulk 750-count pail for refilling empty canisters and added cost control. The 1½-ounce packet makes three use-gallons and the ½-ounce packet makes one gallon of cleaning-disinfectant solution. Because of A-33 DRY's light weight, it is both easy to handle and portable. A carton of A-33 DRY, ½-ounce, weighs 35 pounds and a carton of A-33 DRY, 1½-ounce, weighs 42 pounds. The cartons can be stacked on top of one another to save valuable space. Three cartons are equivalent to one 500-pound drum of similar liquid product.

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

**SAFETY REMINDER:** Before using this or any other product, make sure your employees read and understand the product label and Material Safety Data Sheet — both contain appropriate Hazard Warnings and First Aid Instructions.

FOR EMERGENCY MEDICAL INFORMATION CALL TOLL-FREE: 1-800-328-0026

