



Ecolab Center
St. Paul, Minnesota 55102

Item #: 0050D
Liquid Hand Soap/Gallon
For Built-In Dispensers
EPICARE ANTIMICROBIAL
LOTION SOAP

61406286

MATERIAL SAFETY DATA SHEET

Page 1 of 2

MEDICAL EMERGENCY ONLY, 24 HOUR SERVICE: 1-800-328-0026
Medical Calls from Outside of the USA: 612 292 4064 (USA)

AIRKEM PROFESSIONAL PRODUCTS
DIVISION OF ECOLAB INC.
Ecolab Center, ST. PAUL, MN 55102
Date of Issue: March 11, 1996

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

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1.0 IDENTIFICATION /

- 1.1 Product Name: EPICARE ANTIMICROBIAL LOTION SOAP
1.2 Product Type: Liquid Antimicrobial Hand Soap
1.3 Hazard Rating: Health 1 Fire 0 Reactivity 0

++ Section 2 Provides SARA Section 313 Reporting Information ++

2.0 HAZARDOUS COMPONENTS /

- 2.1 This product is not considered hazardous according to the criteria
of 29 CFR 1910.1200.

UNK = Unknown at this time	PEL = OSHA 8 Hour Average
STEL = 15 Minute Average	<u>C</u> = Ceiling Limit; Do Not Exceed

3.0 PHYSICAL DATA /

- 3.1 Appearance: Pink liquid; pleasant odor.
3.2 Solubility in Water: Complete
3.3 100% pH: 9.0 Use Solution pH: N/A
3.4 Initial Boiling Point: >212 deg F
3.5 Specific Gravity: 1.0

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: Dike or dam large spills. Pump to containers or soak up
on inert absorbent. Flush residue to sanitary sewer.
6.2 Waste Disposal: Consult state and local authorities for
restrictions on disposal of chemical waste.



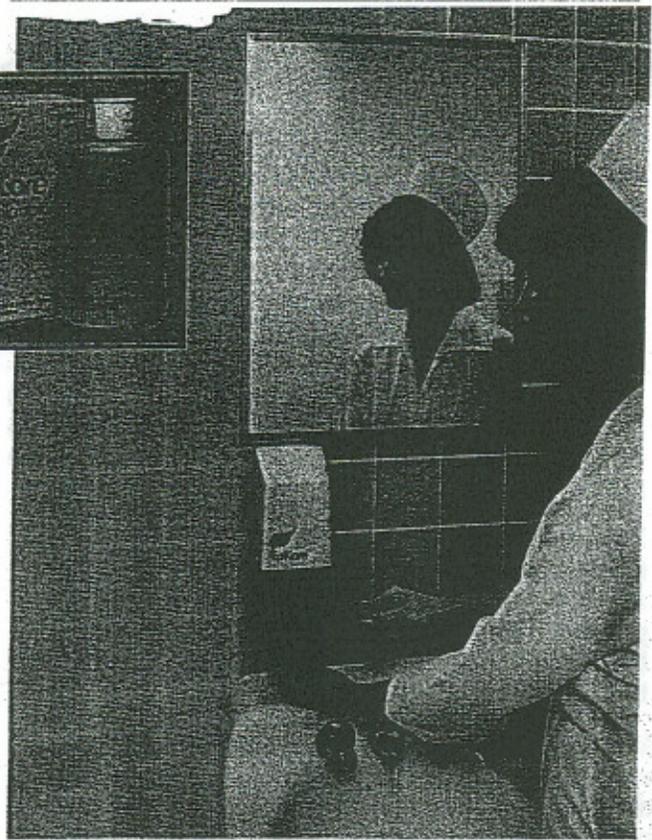
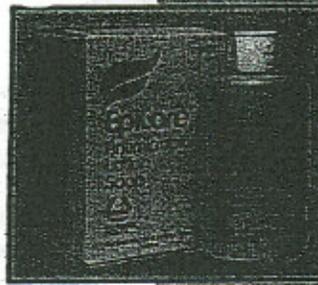
EpiCare™

Antimicrobial Lotion Soap

EpiCare Antimicrobial Lotion Soap is formulated with 100% natural soaps containing soothing moisturizers and emollients, and a proven antimicrobial agent. It is formulated specifically for hospitals, nursing homes, and other areas where frequent hand washing helps prevent cross infection.

Its natural soap gently removes soil, and microorganisms, while moisturizers and emollients help replenish much of the skin's natural oils. Hands remain soft and smooth. In fact, among volunteers using the soap ten times per day for seven days, none displayed any evidence of irritation or dermatitis, as reported by a clinical dermatologist.

EpiCare Antimicrobial Lotion Soap provides a rich lather, which when combined with the friction of hand washing produces the desired cleansing action, without the problem of excessive foam and residues.



EpiCare Antimicrobial Lotion Soap also contains an 8000 ppm concentration of PCMX (parachlorometaxyleneol), a powerful antimicrobial proven effective against a broad range of gram positive and gram negative bacteria, fungi and yeast. Extensive laboratory testing has shown EpiCare's antimicrobial activity to be superior to other leading antiseptic hand soaps.

Features/Advantages

- Formulated with all natural soap, soothing moisturizers and rich emollients
- Rich lathering
- Contains 8000 ppm of PCMX
- Multiple packaging options
- Mild 9.4 pH

Benefits

- Will help prevent dryness and irritation even after frequent hand washings.
- Assists in cleaning action without excessive foam or residues.
- An amount required for bacterioslasis versus the organisms tested.
- Proven effective against a broad range of pathogens.
- Available in disposable, hermetically sealed cartridges to minimize risk of contamination.
- Available in bulk liquid for versatility and economy.
- pH closely equivalent to Ivory, Camay, and Neutrogena—consumer brands generally recognized for their mildness.

Ivory and Camay are registered trademarks of Procter & Gamble. Neutrogena is a registered trademark of Neutrogena Corp.

EpiCare Antimicrobial Lotion Soap... Proven Performance

Microbial Kill Time Test: It's not enough just to kill harmful bacteria, it must be done quickly... well within the time normally allocated for hand washing. That's why we tested EpiCare Antimicrobial Lotion Soap, and its four major competitors, across a range of pathogenic microorganisms at various time intervals. Forty-five different measurements were conducted. The results? ... EpiCare Antimicrobial Lotion Soap provided overall faster kill across the spectrum of organisms tested than each of the competitive products.

Zone of Inhibition: The ZOI test is a method of measuring bacteriostatic and fungistatic efficacy. Again EpiCare was compared with its major competitors. Tests were conducted against two different bacteria. In each instance, EpiCare exhibited a broader zone of inhibition.

Minimum Inhibitory Concentration: The MIC assay measures the lowest ppm of product required to produce stasis against bacteria, fungi and yeasts. Most companies report MIC data for the active ingredient only. Airwick conducted its assay using the finished formulated product. EpiCare Antimicrobial Lotion Soap contains a concentration of the active ingredient (PCMX), an amount required for bacteriostatic activity versus the organisms tested.

Packaging:

Product Code No.	Packaging Size
140614	4 oz. Plastic Bottles—cs/48
140612	800 ml Dispenser Cartridges—cs/12
140628	1 Gallon Plastic Bottles—cs/4
140601	55 Gallon Drum



AIRWICK PROFESSIONAL PRODUCTS
AIRWICK INDUSTRIES INC
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Secaucus NJ 07094
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Spectrum of Activity

EpiCare Antimicrobial Lotion Soap and PCMX have been tested in accordance with various test protocols and proven effective against more than 60 microorganisms.

Gram Positive Bacteria

Staphylococcus aureus*†
Staphylococcus aureus (penicillin sensitive)†
Staphylococcus Group I*
Staphylococcus Group II*
Staphylococcus Group IV*
Staphylococcus Group V*
Micrococcus spp (aerobic)*
Streptococcus faecalis*
Streptococcus faecalis Type A*
Streptococcus faecalis Type C*
Streptococcus faecalis Type D*
Streptococcus pyogenes†
Diphtheroid (lipolytic)*
Diphtheroid (non-lipolytic)*
Diphtheroid (anaerobic)*
Bacillus subtilis*†
Bacillus cereus*†
Bacillus mycooides†
Sarcina luteus†
Mycobacterium smegmatis*

Gram Negative Bacteria

Enterobacter aerogenes*
Enterobacter cloacae†
Neisseria catarrhalis*
Acinetobacter spp†
Escherichia coli AA9395*
Escherichia coli AA9721*
Escherichia coli 10245*
Escherichia coli (clinical isolate)†
Citrobacter sp*
Klebsiella aerogenes CA22852*
Klebsiella aerogenes CA23535*
Klebsiella aerogenes*
Proteus mirabilis BA23919*
Proteus mirabilis BA25702*
Proteus mirabilis*†
Providencia (A)*
Providencia (B)*
Pseudomonas aeruginosa 12211*
Pseudomonas aeruginosa 65376*
Pseudomonas aeruginosa Thornham*
Pseudomonas aeruginosa*†
Pseudomonas fluorescens†
Serratia marcescens*†
Salmonella typhi†
Yersinia enterocolitica†

Yeast/Fungi

Saccharomyces pastorianus*
Candida albicans*†
Tolura roseus*
Penicillium chrysogenum*
Alternaria solani*
Aspergillus niger*
Rhizopus nigricans*
Mucor recemosus*

† versus EpiCare Antimicrobial Lotion Soap containing 8000 ppm of PCMX
* versus PCMX as reported by other specialty chemical manufacturers.

For further details regarding specific test protocols and results reference EpiCare Antimicrobial Lotion Soap Technical Data brochure.

FOR ORDERS OR INFORMATION CONTACT
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