

MIKRO-BAC

Disinfects As It Cleans

ACCEPTED

MAR 16 1977

UNDER THE FEDERAL INSECTICIDE
FUNGICIDE AND RODENTICIDE ACT
FOR ECONOMIC POISON REGISTERED
UNDER NO. 1677-39

Multi-purpose germicidal cleaner and deodorizer for use in
HOSPITALS - NURSING HOMES - LABORATORIES - SCHOOLS.

BROAD SPECTRUM ANTI-MICROBIAL

MIKRO-BAC contains a multiple phenolic system active against Gram positive and Gram negative organisms. It retains its activity in the presence of organic matter. By the A.C.C.U. Use-Dilution Test MIKRO-BAC has been shown effective in hard water (400 PPM as CaCO₃) against 17 hospital pathogens.

EXCELLENT DETERGENT-DEODORIZER

MIKRO-BAC provides effective detergent action - suspends and emulsifies grease and difficult soils. Leaves no sticky, dulling film. Destroys many odor-causing bacteria, yet has almost no odor of its own.

FINE FOR CONDUCTIVE FLOORS

Tested to prove it does not impair the conductive properties of flooring in critical surgical and obstetrical suite applications. No rinsing is necessary.

CONCENTRATED FOR ECONOMY

One gallon of MIKRO-BAC makes 128 gallons of heavy duty cleaning and disinfecting solution for mopping, flooding, spraying

WIDE RANGE OF USES

MIKRO-BAC is useful for disinfecting floors, walls and furnishings; for disinfection of heat sensitive instruments, and for cleaning and disinfection of rubber and plastic goods such as catheters, tubes, gloves, masks

MIKRO-BAC®

TECHNICAL INFORMATION AND USE DIRECTIONS

PROPERTIES

Form Liquid
Color (use-dilution) Fluorescent green
Odor (use-dilution) Mild-phenolic
Foam (use-dilution) Moderate
Specific gravity at 75°F. 1.038
Weight per gallon 8.6 lbs.
pH 1% solution 10.1 - 10.4
Toxicity - Oral LD₅₀ male rat - 5.2 grams
 kilogram body weight

MICROBIOLOGICAL EFFICACY

MIKRO-BAC, tested by the AOAC Use-Dilution Method (12th Edition, 1975), was shown to be effective against the following microorganisms. Test solution: 1:128 dilution (1 oz. per gal.) in hard water (400 ppm as CaCO₃).

Gram negative bacteria:

Salmonella choleraesuis (ATCC 10708)
Salmonella typhosa (ATCC 6539)
Salmonella paratyphi
Corynebacterium diphtheriae
Enterobacter aerogenes
Escherichia coli
Proteus vulgaris
Pseudomonas aeruginosa (ATCC 15442)
Clebsiella pneumoniae
Serratia marcescens

Gram positive bacteria:

Staphylococcus aureus (ATCC 6535)
Streptococcus pyogenes
Diplococcus pneumoniae

Fungi:

Candida albicans (yeast)

AOAC Phenol Coefficient:

Staphylococcus aureus 10.0
Salmonella typhosa 12.0.

Organic Load Tolerance:

Data derived from AOAC Use-Dilution Method, modified using calf serum (simulating soil load) to test solution, shows that **MIKRO-BAC** at the recommended use dilution (1:128) remains microbiologically effective even in the presence of 5% organic matter.

MIKRO-BAC does not impair the conductive properties of surgical and obstetrical floors. It meets the requirements for conductivity when tested according to the method of the National Fire Protection Association Standard No. 55A.

Detergency of the recommended use dilution of **MIKRO-BAC** has been evaluated according to the method of the Federal Specification 5701 T.

Use-dilutions of phenolic germicides may cause mild skin irritation. Persons with sensitive skin and those whose hands may be subject to long exposure (30 min. or more) should wear protective gloves.

Additional testing at 1:128 dilution has been documented as follows:

Procedure	Organism
AOAC Tuberculin Test	<i>Mycobacterium tuberculosis, var. bovis</i> (BGG)
AOAC Fungus Test	<i>Trichophyton mentagrophytes</i>
Use-Dilution Method for Test EPA	<i>Aspergillus niger</i>
Modified Antigen Test for Herpes Virus Efficacy	<i>Herpes simplex</i> <i>Adenovirus type 3, Vaccinia virus</i>

Phenolic Detergent-Disinfectant

GENERAL USE -

For normal cleaning and disinfection of walls and floors as well as damp mopping and dusting use 1 oz. MIKRO-BAC per gallon of water (1:128). Also recommended for use on furnishings, fixtures and equipment such as carts, cabinets and tables.

SPECIAL USES -

Instruments - For cold disinfection of heat sensitive items such as surgical instruments and thermometers, clean and then soak for 15 minutes in a solution of 2 oz. MIKRO-BAC per gallon of water. Rinse with sterile water.

Rubber and Plastic Goods - For disinfection of catheters, tubes, gloves, masks, soak pre-cleaned items in a solution of 2 oz. MIKRO-BAC per gallon of water. Limit rubber goods to a 15 minute exposure, then rinse and follow with a one-minute soak in 70% alcohol. Note that whenever practicable, oral and inhalation equipment should be disassembled, pre-cleaned and sterilized.

Other Uses - For other specialized cleaning and disinfecting operations, consult your Economics Laboratory Specialist.

DANGER: Corrosive. Causes eye damage or skin irritation. Do not get in eyes, on skin or on clothing. Protect skin, and eyes when handling. Harmful if swallowed. Avoid contamination of food.

FIRST AID:

In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. For eyes, call a physician. Remove and wash contaminated clothing before reuse.

If swallowed, drink promptly a large quantity of milk, egg whites, gelatin solution or if these are not available, drink large quantities of water. Avoid alcohol. Call a physician immediately.

ACTIVE INGREDIENTS:	25.6%
Isopropanol	9.9%
Potassium o-phenylphenate	4.9
Potassium o-benzyl-p-chlorophenate	4.9
Sodium dodecylbenzene sulfonate	2.2
Tetrasodium ethylenediaminetetraacetate	1.9
Potassium p-i-amyphenate	1.0
Sodium xylene sulfonate	0.8
INERT INGREDIENTS*	74.4%

*Active as cleaning agents.

RINSE EMPTY CONTAINERS THOROUGHLY WITH WATER BEFORE DISCARDING

EPA Reg. No. 1677-39AA

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsion may be needed.