

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)
 Klebsiella pneumoniae
 Serratia marcescens
 Shigella boydii

Gram positive bacteria:

Staphylococcus aureus (ATCC 6538)
 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 the AOAC Use-Dilution Method, modified by adding calf serum (simulating soil load) to the 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. 56A.

Detergency of the recommended use dilution of **MIKRO-BAC** has been evaluated according to the method of the Federal Specification 6701 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 efficacy at 1:128 dilution has been documented as follows:

| Procedure | Organism |
|--|--|
| AOAC Tuberculocidal Test | Mycobacterium tuberculosis, var. bovis (BGG) |
| AOAC Fungicidal Test | Phytophthora blight |
| Use-Dilution Mildew Fungicidal Test (EPA) | Aspergillus niger |
| Modified AOAC Use-Dilution Test for Virucidal Efficacy | Herpes simplex, Adenovirus type 3, Vaccinia virus |

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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-t-amylphenate 1.0
Sodium xylene sulfonate 0.8

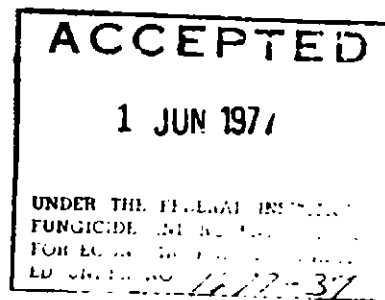
INERT INGREDIENTS* 74.4%

*Active as cleaning agents.

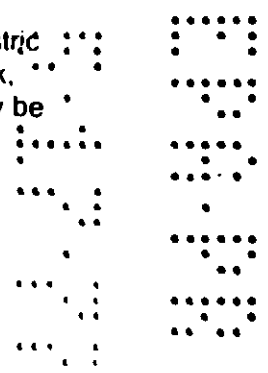
**DO NOT USE, POUR, SPILL OR STORE
NEAR HEAT OR OPEN FLAME.
DO NOT MIX WITH ANYTHING BUT WATER**

**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.



30/3