

USE MIKRO-QUAT FOR: HOSPITALS

Housekeeping Services
Nursing Services
*Surgical & Obstetrical Suites
Physical Therapy Depts.
Autopsy Facilities

NURSING HOMES
FOOD SERVICE FACILITIES
SCHOOLS
RESEARCH ANIMAL FACILITIES
* Especially suitable for conductive floors.

PRECAUTIONS

DANGER: Causes eye damage and skin irritation. Do not get in eyes, on skin or on clothing. Protect eyes when handling concentrated product. 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 white or gelatin solution or if these are not available drink a large quantity of water. Call a physician immediately.

CONTENTS: 1 GALLON

Mikro-Quat®

DETERGENT-GERMICIDE DEODORIZER
STAPHYLOCIDAL · PSEUDOMONACIDAL · FUNGICIDAL

CLEANS, DISINFECTS AND DEODORIZES
IN ONE OPERATION · EASY TO USE · ECONOMICAL

VIRUCIDAL* *Disinfects the following viruses on inanimate environmental surfaces at the 1/200 use dilution (2 1/2 oz./gallon)

HERPES SIMPLEX
Vaccinia
Influenza A

Newcastle Disease
Adenovirus, Type 3

Rinse containers thoroughly with water before discarding.

DO NOT MIX WITH ANYTHING BUT WATER



ECONOMICS LABORATORY, INC.

General Offices: Osborn Building, St. Paul, Minnesota 55102

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ACCEPTED

FEB 26 1960

U.S. DEPARTMENT OF HEALTH, EDUCATION & WELFARE
Public Health Service
Division of Field Epidemiology
Epidemiology Branch
Regulatory Division

DIRECTIONS FOR USE

1. **FOR LIGHT DUTY CLEANING AND SANITIZING**, use 1/3 ounce MIKRO-QUAT per gallon of warm or hot water.
2. **FOR COMBINATION DISINFECTION** and cleaning use 2/3 ounce per gallon of water (provides 470 ppm active quaternary germicide). For porous or heavily soiled surfaces, use 1 ounce per gallon of water (700 ppm).
3. **KILLS PATHOGENIC FUNGI** (*T. interdigitale*) on inanimate hard surfaces at the recommended use concentration of 2/3 oz. per gallon (1:200).
KILLS MILDEW FUNGI on inanimate hard surfaces at the recommended use concentration of 2/3 oz. per gallon (1:200).
4. **FOR EATING AND DRINKING UTENSIL SANITATION**
 - a. Scrape and preflush to remove excess soil.
 - b. Wash in solution of 1/3 oz. MIKRO-QUAT per gallon of water or other recommended detergent.
 - c. Rinse with clean water.
 - d. Sanitize by:
Immersing utensils for 2 minutes in a solution of 1/3 ounce MIKRO-QUAT per gallon of water.
 - e. Rinse with potable water and air dry.

5. SEE THE MIKRO-QUAT TECHNICAL BULLETIN for additional use directions

DILUTION TABLE

ppm active quaternary	235	470	700
Oz. per gal. water	1/3	2/3	1

Note: 2/3 oz. MIKRO-QUAT per gallon water is equivalent to 1:200 dilution.

1 oz. equals 2 tablespoons or 6 teaspoons.

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EPA Reg. No. 1677-21AA **FOR PROFESSIONAL USE ONLY** EPA Est. 1677-NJ-1

USE DILUTION TEST (AOAC) **ACTIVE INGREDIENTS** 9.4%

<i>S. aureus</i> 1:200	<i>S. typhosa</i> 1:200
<i>S. choleraesuis</i> 1:200	<i>E. coli</i> 1:200
<i>Ps. aeruginosa</i> 1:200	<i>T. interdigitale</i> 1:200

***INERT INGREDIENTS:** 90.6%

*Active as cleaning and buffering agents.

This product fulfills the criteria of Appendix F, the Grade "A" Pasteurized Milk Ordinance, 1965 recommendations of the United States Public Health Service, in waters up to 500 ppm of hardness calculated as CaCO₃ when tested by the AOAC Germicidal and Detergent Sanitizer Official Method. Follow local health authorities recommendations.

DANGER:
KEEP OUT OF REACH OF CHILDREN

See Side Panel For First Aid and Additional Precautions

EL ECONOMICS LABORATORY, INC.

General Offices: Osborn Building, St. Paul, Minnesota 55102

HOSPITAL AND FOOD SERVICE GERMICIDAL CLEANER

Mikro-Quat

**QUATERNARY
DETERGENT • GERMICIDE • DEODORIZER**

**FOR MANUAL CLEANING • HOUSEKEEPING •
SPRAY CLEANING • GERMICIDAL RINSE.**

- **CONCENTRATED 1 QUART (946 ML) OF 10% SOLUTION** — Kills bacteria, fungi, viruses, and disinfects long-lasting odors. Kills mold, mildew, bacteria, and deodorizing solutions.
- **POWERFUL DISINFECTANT** — Kills bacteria, fungi, viruses, and disinfects long-lasting odors. Kills mold, mildew, bacteria, and deodorizing solutions.
- **HOSPITAL SANITATION** — Kills bacteria, fungi, viruses, and disinfects long-lasting odors. Kills mold, mildew, bacteria, and deodorizing solutions.
- **EXCELLENT DETERGENT — DEODORIZER** — Kills bacteria, fungi, viruses, and disinfects long-lasting odors. Kills mold, mildew, bacteria, and deodorizing solutions.
- **PROFESSORIAL SANITATION** — Kills bacteria, fungi, viruses, and disinfects long-lasting odors. Kills mold, mildew, bacteria, and deodorizing solutions.
- **DISINFECTANT** — Kills bacteria, fungi, viruses, and disinfects long-lasting odors. Kills mold, mildew, bacteria, and deodorizing solutions.

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A product of **EPA Reg. No. 166-100-01**
ECONOMIC LABORATORY, INC.

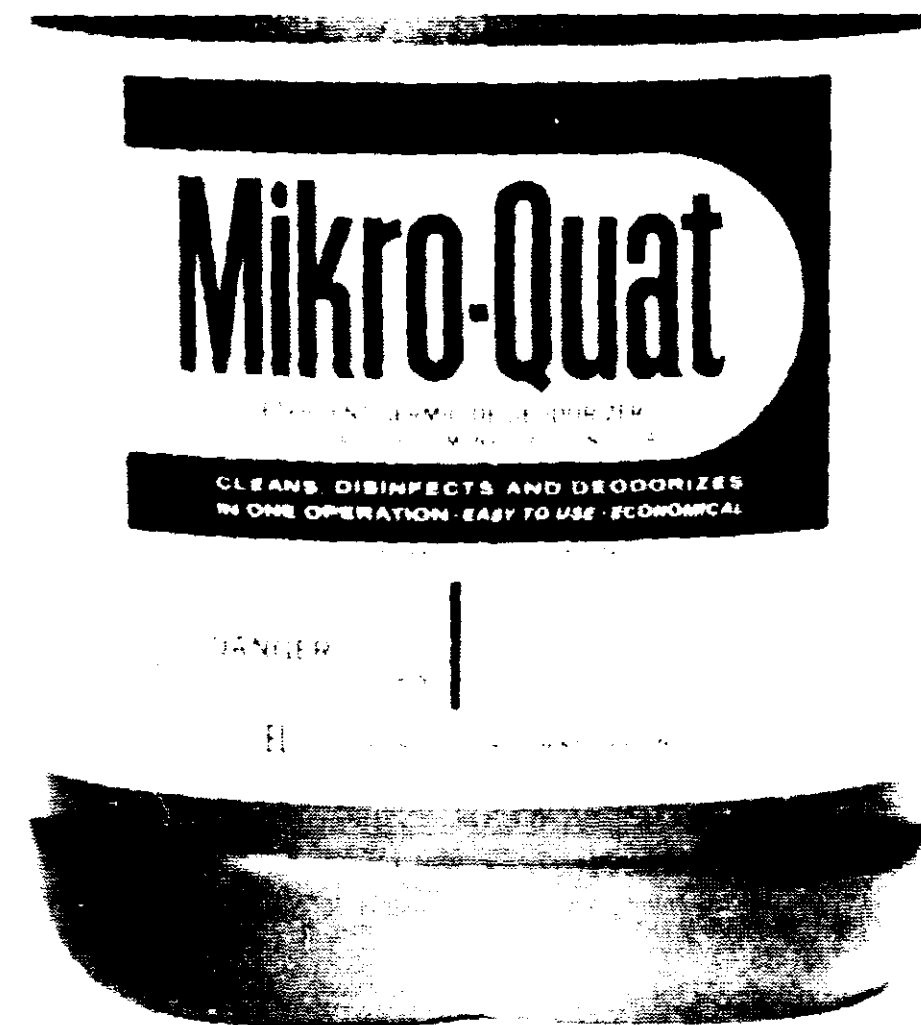
ECONOMITE LABORATORY, INC.
 General Office: 111 Park Road, Dept. M-103, 103
 Industrial Avenue, East Windsor, N.J. 07830. Telephone: (609) 251-1000.
 The "Micro" series of microanalytical equipment is available in a variety of configurations for laboratory and field use. For more information, contact your nearest distributor or write to the above address for a free literature package. Factory facilities in Windsor, New Jersey.

For a full and complete, available World-Wide Through-Atlantic Ocean shipping schedule, please contact us at: info@atlanticocean.com
 Hong Kong, China, Denmark, Finland, France, Germany, Greece, Iceland, Italy, Japan, Korea, Mexico, New Zealand,
 Norway, Panama, Philippines, Puerto Rico, South Africa, Sweden, Switzerland, Taiwan, Thailand, Turkey, United Kingdom, West Indies


Soilax

...ing and disinfecting solution. For your own safety, only sanitizing and cleaning solution.

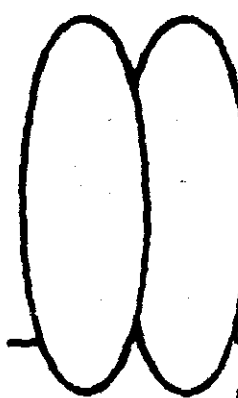
- **POWERFUL DISINFECTANT** - Contains a new, powerful, detergent in combination with a synergistic detergent and a germicide. MIKRO-QUAT is not to be compared with older types of disinfectants. EPA Reg. N. 1-77-11AA.
- **HOSPITAL SANITATION** - Especially effective against resistant strains of *Staphylococcus aureus*, *Pseudomonas aeruginosa*, and other common pathogenic organisms. Suitable for conductive flooring. Effective germicide for cleaning hospital equipment, floors, patient areas.
- **EXCELLENT DETERGENT—DEODORIZER** - MIKRO-QUAT provides excellent detergent action. Suspends and emulsifies grease and difficult soils. Leaves no sticky dulling films. Effective floor cleaner. Excellent deodorizer. Destroys odor causing bacteria. Actually neutralizes unpleasant odors.
- **FOOD SERVICE SANITATION** - Cleans, sanitizes, and deodorizes food service equipment, food preparation area--Use as sanitizing rinse in 3 sink operation-- Especially effective for cleaning and deodorizing garbage cans. Eliminates stale odors from kitchen.
- **DISINFECTANT** - Disinfectants Herpes simplex; Vaccinia; Influenza A; Adenovirus Type 3; and Newcastle disease virus on inanimate environmental surfaces at the 1:200 use dilution (2 1/2 oz. gallon).



AVAILABLE IN 1 Gallon Jugs
15 Gallon Drums
55 Gallon Drums

Quality Controlled to assure
top performance from every gallon

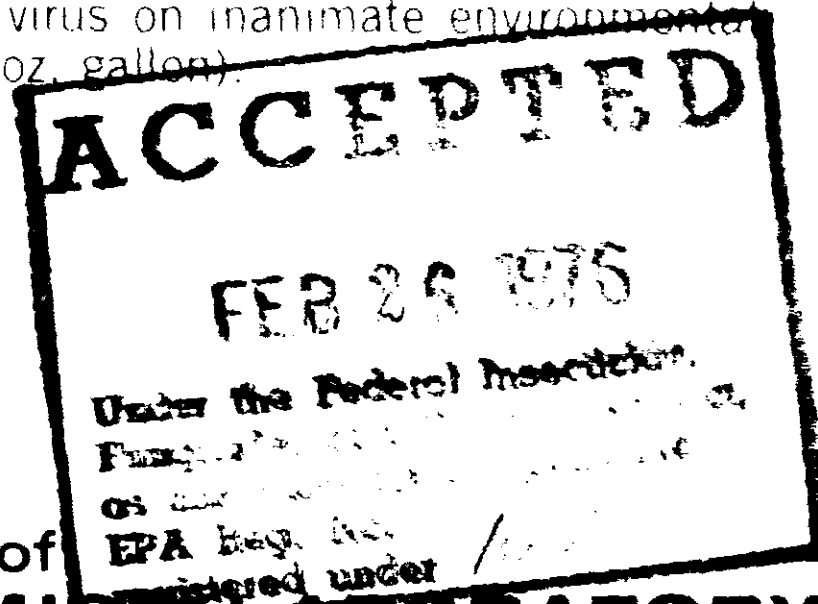
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A product of
ECONOMICAL LABORATORY, INC.

General Offices: Osborn Building, St. Paul, Minnesota 55102
Executive, Sales and Advertising Offices: 4 Corporate Park Drive, White Plains, N.Y. 10604
Div. Magnus Industrial - Kleenade - Food Processing - Institutional - Consumer
Refer to telephone directory for listing in White or Yellow Pages

Products and Services available World Wide Through Affiliated Soilax Companies in Australia, Austria, Belgium, Brazil, Canada, Denmark, Finland, France, Germany, Greece, Holland, Hong Kong, Italy, Japan, Mexico, New Zealand, Norway, Panama, Philippines, Puerto Rico, South Africa, Sweden, Switzerland, Thailand, United Kingdom, Venezuela, West Indies.





Mikro-Quat

TECHNICAL INFORMATION

INGREDIENTS

Active Ingredients:	9.4%
Alkyl (50% C ₁₂ , 40% C ₁₄ , 10% C ₁₆) dimethyl benzyl ammonium chlorides	9.0%
Trisodium ethylenediaminetetraacetate	0.4%
* Inert Ingredients:	90.6%
* Active as cleaning and buffering agents.	

DILUTION TABLE

Solution Strength	Quantity of MIKRO-QUAT to make:				
	1 qt.	1 gal.	2 gal.	3 gal.	5 gal.
0.25%	2.5cc	$\frac{1}{4}$ oz.	$\frac{1}{2}$ oz.	1 oz.	1 $\frac{1}{4}$ oz.
0.5%	5cc	$\frac{1}{2}$ oz.	1 $\frac{1}{4}$ oz.	2 oz.	3 $\frac{1}{4}$ oz.
1.0%	10cc	1 $\frac{1}{4}$ oz.	2 $\frac{1}{4}$ oz.	4 oz.	6 $\frac{1}{4}$ oz.

AOAC USE-DILUTION CONFIRMATION TESTS

ORGANISM	DILUTION	NO. TUBES NEGATIVE OF TEN TESTED
<i>Staphylococcus aureus</i>	1:200	10
<i>Salmonella choleraesuis</i>	1:200	10
<i>Pseudomonas aeruginosa</i>	1:200	10
<i>T. interdigitale</i>	1:200	10
<i>Aerobacter aerogenes</i>	1:200	10
<i>Trichophyton interdigitale</i> *	1:200	10

*A.O.A.C. Fungicidal Test 10 minute end point dilution is 1:384.

A.O.A.C. PHENOL COEFFICIENT: *Salmonella typhi*-53

HARD WATER TOLERANCE: Up to 500 ppm as tested by approved methods.

MIKRO-QUAT uses

- HOSPITALS
 - Housekeeping Services
 - Nursing Services
 - Surgical & Obstetrical Suites
 - Physical Therapy Depts.
- Autopsy Facilities
- RESEARCH ANIMAL FACILITIES
- NURSING HOMES
- SCHOOLS
- FOOD SERVICE FACILITIES

1. For light duty cleaning and sanitizing use $\frac{1}{4}$ oz. MIKRO QUAT per gallon of warm or hot water.
2. For combination disinfection and cleaning use $\frac{3}{4}$ oz. per gallon of water (provides 475 ppm quaternary germicide). For porous or heavily soiled surfaces, use 1 oz. per gallon of water (700 ppm).
3. For sanitizing clean eating and drinking utensils, use $\frac{1}{4}$ oz. per gallon of warm water, rinse with potable water and air dry.
4. For use in ECONOMICS LABORATORY'S special dispensing and hydraulic cleaning equipment - MIKRO SPRAY - and for other specialized cleaning and disinfecting operations, consult your local ECONOMICS LABORATORY Environmental Sanitation Specialist.

Test With The Newest  Through Original Research.



Mikro-Quat

TECHNICAL INFORMATION

INGREDIENTS

Active Ingredients	9.4%
Alkyl (50% C ₁₂ , 40% C ₁₄ , 10% C ₁₆) dimethyl benzyl ammonium chlorides	9.0%
Trisodium ethylenediaminetetraacetate 0.4%	
Inert Ingredients	90.6%
Active acid, alkali and buffering agents	

DILUTION TABLE

Quantity of MIKRO QUAT to make:		1.0% Solution					
Water	MIKRO QUAT	1.0%	0.5%	0.25%	0.125%	0.0625%	0.03125%
0.75	0.25	1	2	4	8	16	32
0.5	0.5	1	2	4	8	16	32
1.0	1.0	1	2	4	8	16	32

AOAC USE-DILUTION CONFIRMATION TESTS

ORGANISM	DILUTION	NO. TUBES NEGATIVE OF TEN TESTED
<i>Staphylococcus aureus</i>	1:200	10
<i>Salmonella choleraesuis</i>	1:200	10
<i>Pseudomonas aeruginosa</i>	1:200	10
<i>E. interductus</i>	1:200	10
<i>Aerobacter aerogenes</i>	1:200	10
<i>Trichophyton interdigitale</i>	1:200	10

A O A C Fungicidal Test 10 minute end point dilution is 1:384

A O A C PHENOL COEFFICIENT *Salmonella typhi* 53

HARD WATER TOLERANCE: Up to 500 ppm as tested by approved methods

MIKRO-QUAT uses

- HOSPITALS
 - Autopsy Facilities
- HOUSEKEEPING SERVICES
 - Housekeeping Services
- NURSING SERVICES
 - Nursing Services
- SURGICAL & OBSTETRICAL SUITES
 - Surgical & Obstetrical Suites
- PHYSICAL THERAPY DEPT'S
 - Physical Therapy Dept's
- RESEARCH ANIMAL FACILITIES
- NURSING HOMES
- SCHOOLS
- FOOD SERVICE FACILITIES

1. For general use in hospitals, nursing homes, schools, etc. MIKRO-QUAT is used as a disinfectant for floors, walls, and furniture.
2. For use in the laboratory, MIKRO-QUAT is used as a disinfectant for floors, walls, and furniture. It is also used as a disinfectant for the hands of laboratory workers.
3. For use in the kitchen, MIKRO-QUAT is used as a disinfectant for floors, walls, and furniture. It is also used as a disinfectant for the hands of kitchen workers.
4. For use in the bathroom, MIKRO-QUAT is used as a disinfectant for floors, walls, and furniture. It is also used as a disinfectant for the hands of bathroom workers.