

PM-31

Reg # 1677-133

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

JUN 21 1995

Ecolab, Inc.
Ecolab Center
370 Wabash Street
St. Paul, MN 55102

Attention: Ann M. Oxford
Manager, Regulatory Services

Subject: Maxi-Quat 1000
EPA Registration No. 1677-133
MOU Compliance Amendment dated February 6, 1995

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, will be acceptable provided that you make the labeling changes listed below before you release the product for shipment bearing the amended label.

1. Under the use directions, list the contact time of 10 minutes for disinfection.
2. Specify the strain of Influenza A₂ virus.
3. The "Virucidal" claim must be keyed with an asterisk to the paragraph listing the specific viruses tested.

A stamped copy of your labeling is enclosed for your records. Submit five (5) copies of the final printed label prior to release of the product for shipment.

If you have any questions concerning this letter, please contact Wanda Mitchell at (703) 305-6141.

Sincerely yours,



Marion J. Johnson, Jr.
Product Manager (31)
Antimicrobial Program Branch
Registration Division (7505C)

CONCURRENCES

SYMBOL								
SURNAME								
DATE								

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MAXI-QUAT 1000

One Step Cleaner - Disinfectant - Sanitizer - Fungicide - Mildewstat - Deodorizer - Virucide

For Hospital, Institutional and Industrial Use.

Effective in hard water up to 450 ppm hardness (calculated as CaCO₃) in the presence of 5% serum contamination.

ACTIVE INGREDIENTS:

Alkyl (60% C ₁₄ , 30% C ₁₆ , 5% C ₁₂ , 5% C ₁₈) dimethyl benzyl ammonium chlorides	20.25
Alkyl (50% C ₁₄ ; 40% C ₁₂ ; 10% C ₁₆) dimethyl benzyl ammonium chlorides	8.00
Octyl decyl dimethyl ammonium chloride	6.00
Diocetyl dimethyl ammonium chloride	2.40
Didecyl dimethyl ammonium chloride	3.60
INERT INGREDIENTS	59.75

KEEP OUT OF REACH OF CHILDREN DANGER

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

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

DANGER. Corrosive. Causes irreversible eye damage and skin burns. May be fatal if swallowed. Do not get in eyes, on skin, or on clothing. Wear goggles, face shield or safety glasses, and rubber gloves. Wash thoroughly with soap and water after handling and before eating, drinking or using tobacco. Remove contaminated clothing and wash before reuse.

STATEMENT OF PRACTICAL TREATMENT

IF IN EYES: Flush immediately with cool water. Remove contact lenses. Continue flushing for 15 minutes, holding eyelids apart. Call a physician.

IN ON SKIN: Wash with plenty of soap and water. Get medical attention.

IF SWALLOWED: Drink promptly a large quantity of egg whites or gelatin solution, or if these are not available, large quantities of water. Avoid alcohol. Never give anything by mouth to an unconscious person.

CALL A POISON CONTROL CENTER OR PHYSICIAN IMMEDIATELY.

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

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

Net Contents: 8 lbs.

EPA REG. NO. 1677-133

EPA Est. 1677-IL-2 (J), 1677-NJ-1 (W), 1677-TX-1 (D), 1677-GA-1 (M), 1677-MN-1 (P), 1677-CA-1 (S), 1677-PR-1 (B), 1677-IL-3 (F)

The superscript refers to the first letter of the date code.

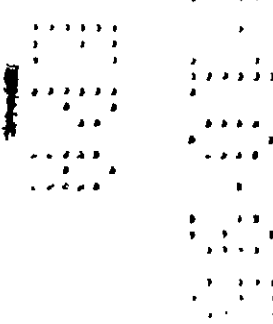
A product of
ECOLAB INC.
Ecolab Center
St. Paul, Minnesota 55102

ACCEPTED
with COMMENTS
in EPA Letter Dated:

JUN 21 1995

Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide
registered under EPA Reg. No.

1677-133



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Directions for Use

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Do Not Mix With Anything But Water.

Apply MAXI-QUAT 1000 to walls, floor and other hard (inanimate), non-porous surfaces such as tables, chairs, countertops, sinks tile, porcelain, and bedframes with a cloth, mop or coarse spray device so as to thoroughly wet surfaces. For heavily soils areas, a preliminary cleaning is required. Prepare a fresh solution daily or when use solution becomes visibly dirty.

For automatic and accurate dispensing of solutions, use the SOLITRON Dispensing System.

Combination Disinfection and Cleaning

In Hospitals and Nursing Homes; Use 0.35 oz. per gallon of water in water up to 450 ppm hardness calculated as CaCO₃.

In Housekeeping and Foodservice Application: Use 0.28 oz. per gallon of warm or hot water in water up to 450 ppm of hardness calculated as CaCO₃.

In all applications, treated surfaces must remain wet for ten minutes. Remove solution and entrapped soil with a clean, wet mop, cloth or wet vacuum pickup.

The increased concentration in Hospitals and Nursing Homes is due to the need to disinfect against Pseudomonas aeruginosa. This organism is of specific importance in the health care industry and requires increased concentrations for consistent disinfection.

Virus Disinfection

At 0.28 oz. per gallon of water up to 450 ppm hardness in the presence of 5% blood serum MAXI-QUAT 1000 is effective against:

- Adenovirus, type 3
- Vaccinia
- Newcastle Disease Virus
- Herpes simplex, type 1
- Influenza A2

See Disinfection Directions for proper application.

This product is not to be used as a terminal sterilant/high level disinfectant on any surface or instrument that (1) is introduced directly into the human body, either into or in contact with the bloodstream or normally sterile areas of the body, or (2) contacts intact mucous membranes but which does not ordinarily penetrate the blood barrier or otherwise enter normally sterile area of the body. This product may be used to preclean or decontaminate critical or semi-critical medical devices prior to sterilization or high level disinfection.

Sanitizing and Light Duty Cleaning of Non-Porous, Non-Food Contact Surfaces (such as floors, walls, tables):

Effective at 0.095 oz. of MAXI-QUAT 1000 per gallon of warm or hot water up to 450 ppm hard water calculated as CaCO₃ and in the presence of 5% blood serum. Treated surfaces must remain wet for 5 minutes. Remove solution and entrapped soil with a clean, wet mop, cloth or wet vacuum pickup.

Pathogenic Fungi Control. At 0.28 oz. per gallon. in the presence of 5% blood serum and 450 ppm hard water, MAXI-QUAT 1000 is an effective fungicide against Trichophyton mentagrophytes, (athlete's foot fungus) when used on surfaces in areas such as locker rooms, dressing rooms, shower and bath areas and exercise facilities. See Disinfection Directions for proper application.

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Mold and Mildew Control. When applied to hard, non-porous surfaces at a concentration of 0.28 oz. per gallon, in the presence of 5% blood serum and 450 ppm hard water, MAXI-QUAT 1000 will inhibit the growth of mold and mildew and control the odors caused by them. Allow to dry on surface and repeat when mildew growth returns.

Deodorizer. When used as directed, MAXI-QUAT 1000 kills odor causing bacteria on surfaces in toilet areas, behind and under sinks and counters, garbage cans and garbage storage areas, and other places where bacterial growth can cause mal odors.

<u>DILUTION TABLE</u>	<u>Sanitizing</u>	<u>General Disinfection</u>	<u>Hospital Disinfection</u>
ppm Active Quat	290	850	1060
oz. Per Gallon Water	0.09	0.28	0.35
gms Per Gallon Water	2.70	8.0	10.0
Dilution	1:1408	1:473	1:379

OTHER ORGANISMS

MAXI-QUAT 1000 has been proven to be effective against the following organisms at 0.28 oz./gl. of water up to 450 ppm hardness in the presence of 5% blood serum:

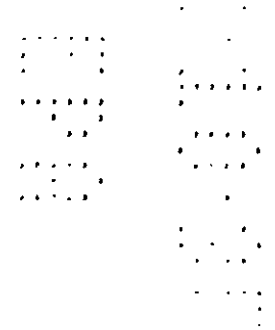
Corynebacterium diphtheriae	ATCC #11913
Escherichia coli	ATCC #29181
Klebsiella pneumoniae	ATCC #4352
Listeria monocytogenes	Scott A
Micrococcus luteus	ATCC #14452
Proteus vulgaris	ATCC #13315
Salmonella typhimurium	ATCC #13311
Serratia marcescens	ATCC #9103
Shigella dysenteriae	ATCC #29026
Staphylococcus aureus	HL121 (methicillin resistant)

STORAGE AND DISPOSAL:

Do not contaminate water, food or feed by storage or disposal.

Container Disposal: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Pesticide Disposal: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.



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One Step Cleaner - Disinfectant - Sanitizer

Fungicidal - Mildewstat - Deodorizer

For Hospital, Institutional and Industrial Use.

Effective in hard water up to 450 ppm hardness (calculated as CaCO₃) in the presence of 5% serum contamination

USE DILUTION TEST (AOAC)

S. aureus	1:473
S. choleraesuis	1:473
Ps. aeruginosa	1:379

USE MAXI-QUAT 1000 FOR:

Out Patient Facilities

Hospitals

Housekeeping Services

Nursing Services

*Surgical and Obstetrical Suites

Physical Therapy Departments

Autopsy Facilities

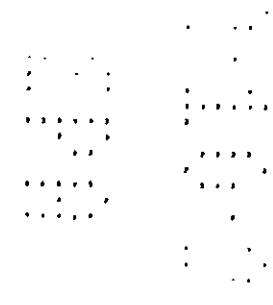
Nursing Homes

Food Service Facilities

Schools

Research Animal Facilities

*Especially suitable for conductive floors.



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