

PM 31

1677-96

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

AUG 05 1992

Ecolab
Ecolab Center
St. Paul, MN 55102

Attn: Ann M. Oxford

Subject: Q-Quat II
EPA Registration No. 1677-96
Submission dated January 2, 1992

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, to include claims for the "HIV-1 (AIDS VIRUS)" is acceptable, provided that you:

1. Make the labeling changes listed below before you release the product for shipment bearing the amended labeling:

a. Refer to the enclosed document entitled "Label Requirements for Antimicrobial Pesticides Used on Hard Surfaces Against HIV-1 (AID VIRUS)" for EPA's current labeling policy for efficacy claims. Your labeling must be revised in accordance with requirements outlined in this policy notice.

b. On the proposed label, change "EPA Registration Number 1677-39" to "EPA Registration Number 1677-96".

2. Submit five (5) copies of your final printed labeling before you release the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions.

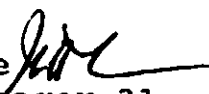
CONCURRENCES

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If you have any questions concerning this letter, please contact Martha DeLaney at (703) 305-6982.

Sincerely,

John H. Lee 
Product Manager 31
Antimicrobial Program Branch

Enclosure

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Q-QUAT II

Disinfectant - Cleaner - Sanitizer - Fungicide - Mildewstat - Virucide* - Deodorizer

Active Ingredients

Octyl decyl dimethyl ammonium chloride	6.510%
Dioctyl dimethyl ammonium chloride	3.255%
Didecyl dimethyl ammonium chloride	3.255%
Alkyl C ₁₄ 50%, C ₁₂ 40%, C ₁₆ 10% dimethyl benzyl ammonium chloride	8.680%
Inert Ingredients	78.300%

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 eye and skin damage. Do not get in eyes, on skin or on clothing. Wear rubber gloves, chemical goggles and protective clothing. Harmful or fatal if swallowed or absorbed through skin. Avoid contamination of food. Remove and wash contaminated clothing before reuse.

STATEMENT OF PRACTICAL TREATMENT

IF IN EYES: Hold eyelids open and flush with a steady, gentle stream of water for 15 minutes. Remove contact lenses and continue flushing. Call a physician immediately.

IF ON SKIN: Wash with plenty of soap and water. Contact a physician if irritation persists.

IF SWALLOWED: Rinse mouth at once; then drink one or two glasses of water. DO NOT INDUCE VOMITING. 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: 1 gallon (3.78 l)
 2.5 gallons (9.45 l)
 5 gallons (18.9 l)
 55 gallons (208.8 l)

EPA Reg. No. 1677-3596

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), 6574-CA-1 (L)

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

Ecolab Inc.
Ecolab Center
St. Paul, MN 55102

ACCEPTED
 with COMMENTS
 EPA Letter Dated
AUG 05 1992

Under the Federal Insecticide,
 Fungicide, and Rodenticide Act
 amended, for the pesticide
 registered under EPA Reg. No.
 1677-96

FOR HOSPITALS, INSTITUTIONAL AND INDUSTRIAL USE

Effective in hard water up to 400 ppm hardness (calculated as CaCO_3) in the presence of 5% serum contamination

Cross-contamination is a major housekeeping concern not only in hospitals, but in schools, institutions and industry. Q-QUAT II has been formulated to aid in the reduction of cross-contamination in these areas. Q-QUAT II is a one-step disinfectant cleaner that is effective against a broad spectrum of bacteria, is virucidal, fungicidal and will prevent the growth of mold and mildew and their odors when used as directed. Q-QUAT II is an effective one-step sanitizer-cleaner for use on non-food contact surfaces.

When used as directed, Q-QUAT II will deodorize 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.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Q-QUAT II is a proven "one-step" disinfectant-cleaner-sanitizer-fungicide-mildewstat-virucide-deodorizer which is effective in water up to 400 ppm hardness in the presence of 5% serum contamination.

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

Disinfection - To disinfect hard, non-porous surfaces, add 0.5 oz. per gallon of water. Treated surfaces must remain wet for 10 minutes. The activity of Q-QUAT II has been evaluated in the presence of 5% serum and 400 ppm hard water by the AOAC use dilution test and found to be effective against a broad spectrum of gram negative and gram positive organisms as represented by:

Pseudomonas aeruginosa
Staphylococcus aureus
Salmonella choleraesuis
Escherichia coli
Streptococcus pyogenes
Klebsiella pneumoniae
Enterobacter aerogenes
Staphylococcus aureus HL121 (methicillin resistant)

Pseudomonas cepacia
Salmonella schottmuelleri
Streptococcus faecalis
Shigella dysenteriae
Brevibacterium ammoniagenes
Salmonella typhi
Serratia marcescens

ACCEPTED
 with COMMENTS
 in EPA Letter Dated:

AUG 05 1992

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

1677-86

Fungicidal Performance - Q-QUAT II is an effective fungicide against *Trichophyton mentagrophytes* (the athlete's food fungus) when used on surfaces in areas such as locker rooms, dressing rooms, shower and bath areas, exercise facilities at 0.5 oz./gl.

Mold and Mildew Control - At 0.5 oz./gl, Q-QUAT II will effectively inhibit the growth of mold and mildew and the odors caused by them when applied to hard, non-porous surfaces (as indicated in direction for use). Allow to dry on surface and repeat when mildew growth returns.

***Virucidal Performance** - At 0.5 oz./gl use-level, Q-QUAT II was evaluated in the presence of 5% serum and 400 ppm hard water for a contact time of 10 minutes at room temperature (20-25 deg C) against the following viruses found on hard non-porous environmental surfaces: HIV-1 (AIDS virus), Influenza A/Brazil, Herpes simplex and Vaccinia.

BEST AVAILABLE COPY

SPECIAL INSTRUCTIONS FOR CLEANING AND DECONTAMINATION AGAINST HIV-1 ON SURFACES/OBJECTS SOILED WITH BLOOD/BODY FLUIDS.

Blood or other body fluids containing HIV-1 must be thoroughly cleaned from surfaces and objects before application of Q-QUAT II. Clean-up should always be done wearing protective latex gloves, gowns, masks, and eye protection.

Blood, body fluids, cleaning materials, and clothing should be autoclaved and disposed of according to local regulations for infectious waste disposal.

Sanitizing Non-Food Contact Surfaces (such as floors, walls, tables) - At 0.5 oz/5.5 gl use-level, Q-QUAT II is an effecting sanitizer against *Staphylococcus aureus* and *Klebsiella pneumoniae* on hard porous and non-porous environmental surfaces. Treated surfaces must remain wet for 60 seconds.

Consult your Ecolab Specialist for specific use directions.

For service or additional information, call 1-800-35-CLEAN (352-5326)

STORAGE & DISPOSAL

DO NOT CONTAMINATE WATER, FOOD OR FEED BY STORAGE OR DISPOSAL

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.

CONTAINER DISPOSAL: (1 gl) Do not reuse empty containers. Wrap container and put in trash (2.5, 5, 55 gl plastic) Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

