

1677-21

2/27/2001

1/5

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

FEB 27 2001

Ecolab Inc.
370 N. Wabasha Street
St. Paul, Minnesota 55102-3122

Subject: Mikro-Quat
EPA Registration no. 1677-21
Amendment Dated November 27, 2000

Attn: Brian C. Brosdahl
Mgr., North american Registrations

The amendment referred to above, submitted in Connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable provided you make the following changes on the label.

1. The "Statements of Practical Treatment" will need to be updated in accordance with PR Notice 2000-3. (For guidance: www.epa.gov/opppmsd1/PR_Notices/pr2000-3.pdf)

2. The Precautionary Statements will need to be updated according to the Label Manual 3rd Edition by stating:

Corrosive. Causes irreversible eye damage and skin burns. Do not get in eyes or on clothing. Wear protective eyewear (goggles, face shield, or safety glasses) protective clothing and rubber gloves. Harmful if swallowed. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

3. According to PR Notice 83-3, all pesticide products are required to have storage instructions with appropriate heading. Storage and disposal instructions must be set apart and clearly distinguishable from other directions for use. Blocking storage and disposal statements with a solid line is suggested as a means of increasing their prominence.

A stamped copy of the label is enclosed for your records. Submit one (1) copy of the final printed label before this product is released for shipment.

4. The requirements of PR Notice 91-2 have been satisfied. The nominal concentration of the active ingredient given in the Basic Formulation CSF agreed with the percentage declared on the label..

5. The upper and lower certified limits for 85% of the active and inert ingredients are

SYMBOL	1510c						
SURNAME	B. Jones						
DATE	2-27-01						

CONCURRENCES

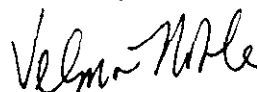
acceptable.

6. The source of all ingredients including water needs to be identified in item 11 of the CSF. Water and other list 4 inert ingredients at present are exempt from this rule due to an interim policy may be subject to change. The name and address of monoethanolamine supplier(s) needs to be provided.

7. All other elements of the CSF were acceptable.

The application for amended registration covering Mikro Quat is accepted with comment. The additional information requested above, should be provided at the earliest convenient time.

Sincerely,



Velma Noble
Product Manager 31
Regulatory Management Branch 1
Antimicrobial Division (7510C)

Mikro Quat

Detergent•Germicide•Deodorizer

ACCEPTED
with COMMENTS
in EPA Letter Dated:

FEB 27 2001

Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide,
registered under EPA Reg. No. 1677-21

Active Ingredient:
Alkyl (50%C14, 40%C12, 10%C16)
Dimethylbenzyl ammonium chloride 10.0%
Inert Ingredients*: 90.0%
Total: 100.0%

*Active as cleaning and buffering agents.

KEEP OUT OF REACH OF CHILDREN DANGER

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER: CORROSIVE: Causes severe eye damage and skin irritation. Harmful if swallowed. Do not get in eyes, on skin or on clothing. Wear safety glasses or goggles when handling. Wash after handling. Remove contaminated clothing and wash before reuse.

ENVIRONMENTAL HAZARDS (only required on containers greater than 5 gallons): Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or public waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

STATEMENT OF PRACTICAL TREATMENT

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

IF ON SKIN: Wash with plenty of soap and water. Get medical attention 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 1-800-328-0026
OUTSIDE NORTH AMERICA, CALL 1-651-222-5352

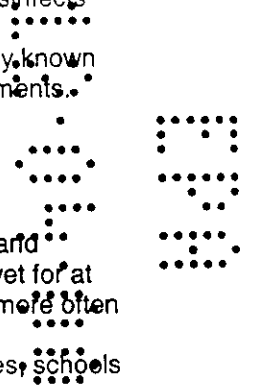
Detergent - Germicide - Deodorizer - Staphylocidal - Pseudomonacidal - Fungicidal - Cleans, Disinfects and deodorizes in one Operation - Pleasant Fragrance - Economical to Use
Mikro-Quat has been found effective against Human Immunodeficiency Virus Type 1 (Commonly known as the Aids virus) on inanimate surfaces when tested according to EPA virucidal testing requirements.

DIRECTIONS FOR USE

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

For disinfection, apply *Mikro-Quat* to walls, floors, sinks, counter tops, hard surface furnishings and equipment with cloth, mop or hand spray bottle. Wet surfaces thoroughly and allow to remain wet for at least 10 minutes. Preliminary removal of gross soil is required. Prepare fresh solution daily or more often if the solution becomes diluted or soiled.

Use *Mikro-Quat* in hospitals (suitable for conductive floors), nursing homes, food service facilities, schools and animal research facilities.



4/5

Light-Duty Cleaning and Sanitizing - Non-Food contact Surfaces

Use 1/3 oz. Mikro-Quat per gal. (235 ppm) of warm or hot water. Allow 1 minute contact time. At this concentration the product is effective in the presence of protein (5% blood serum) against *Escherichia coli* 0157:H7, *Staphylococcus aureus*, and *Enterobacter aerogenes*.

Combination Disinfection and Cleaning

Use 2/3 oz. Mikro-Quat per gal. Of water (470 ppm). Allow 10 minutes contact time. Remove solution and entrapped soil with clean wet mop, cloth or wet vacuum pickup.

Mikro-Quat has been found effective against the following bacteria at 2/3 oz. per gallon in the presence of protein (5% blood serum):

- | | |
|---|--|
| <i>Staphylococcus aureus</i> | <i>Escherichia coli</i> |
| <i>Salmonella typhosa</i> | <i>Staphylococcus aureus</i> HL121 (Methicillin resistant) |
| <i>Trichophyton mentagrophytes</i> | <i>Vibrio cholerae</i> |
| <i>Clostridium difficile</i> (vegetative form) | <i>Pseudomonas aeruginosa</i> |
| <i>Enterococcus faecalis</i> (vancomycin resistant) | <i>Proteus vulgaris</i> |
| <i>Salmonella choleraesuis</i> | |

Virucidal: Disinfects the following viruses on inanimate environmental surfaces at the 1:200 use dilution (2/3 oz. per gal.):

- | | | |
|------------------------|-------------------------|------------------------|
| HIV-1 (AIDS virus) | Vaccinia | Herpes Simplex, type 1 |
| Influenza A2/Hong Kong | Newcastle Disease virus | Adenovirus type 3 |

This product kills HIV on pre-cleaned environmental surfaces/objects previously soiled with blood/body fluids in health care settings or other settings in which there is an expected likelihood of soiling of inanimate surfaces/objects with blood or body fluids, and in which the surfaces/objects likely to be soiled with blood or body fluids can be associated with the potential for the transmission of human Immunodeficiency virus Type 1 (HIV-1) (associated with AIDS).

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

PERSONAL PROTECTION: When handling items soiled with blood or body fluids, wear personal protection such as disposable latex gloves, gowns, masks, or eye coverings.

CLEANING PROCEDURE: Blood and other body fluids must be thoroughly cleaned from surfaces and objects before application of disinfectant.

CONTACT TIME: 10 minutes.

DISPOSAL OF INFECTIOUS MATERIAL: Blood and other body fluids should be autoclaved and disposed of according to local regulations for infectious waste disposal.

KILLS PATHOGENIC FUNGI (*T. mentagrophytes*) on inanimate hard surfaces at the recommended use concentration of 2/3 oz. per gal. Water (470 ppm).

KILLS MILDEW FUNGI on inanimate hard surfaces at the recommended use concentration of 2/3 oz. per gal. Water (470 ppm).

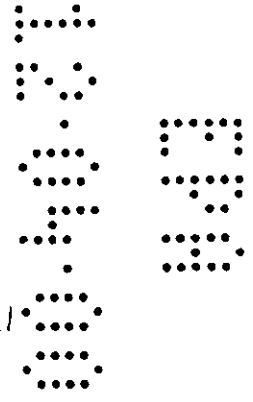
DO NOT MIX WITH ANYTHING BUT WATER

DILUTION TABLE

ppm active quaternary	235	470	700
oz. per gal. water	1/3	2/3	1
dilution equivalent	1:400	1:200	1:100

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

ACCEPTED
with COMMENTS
128
Dated:
FEB 27 2001
Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide,
registered under EPA Reg. No. 1677-21



5/5

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 gallon): Do not reuse container. Wrap container and put in trash.

(15 gallon, 55 gallon): 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.

Net Contents:
1 U.S. Gal. (3.78 L)
15 U.S. Gal. (56.7 L)
55 U.S. Gal. (208 L)

Ecolab Inc.
Institutional Division
370 N. Wabasha Street
St. Paul, MN 55102

EPA Reg. No. 1677-21
EPA Est.: 1677-MN-1 (P), 1677-IL-2 (J)
1677-CA-2 (R), 1677-TX-1 (D), 1677-OH-1 (H)
1677-IL-2 (J), 1677-PR-1 (B), 1677-CA-1 (S)
1677-NJ-1 (W), 1677-GA-1 (M), 1677-WV-1 (V)
Superscript refers to first letter of date code

Authorized by USDA for use in Federally Inspected Meat and Poultry Plants.

ACCEPTED
with COMMENTS
in EPA Letter Dated:

FEB 27 2001

Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide,
registered under EPA Reg. No. 1677-21

