

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

JAN - 4 1988

Essential Industries, Inc.
28391 Essential Road
Merton, WI 53056

Attention: Hector J. Gongalez

Gentlemen:

Subject: QUAT 256 Detergent/Disinfectant
EPA Registration No. 3838-42
Your Submission Dated September 17, 1987

The amendment referred to above, submitted in connection with registration under FIFRA, is acceptable provided that you:

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

a. Delete the following statements from the Note To Physician Section:

"Measures against circulatory shock as well as oxygen and measures to support breathing manually or mechanically may be needed." "If persistent convulsions may be controlled by the cautious, intravenous injection of a shortacting barbituate drug."

b. Delete the word "milk."

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

Your release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions.

CONCURRENCES

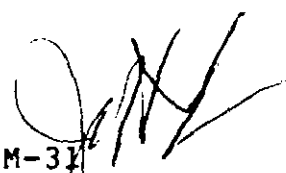
SYMBOL								
SIGNATURE								
DATE								

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A stamped copy of the labeling is enclosed for your records.

If you have any questions concerning this letter, please contact Karen Leavy at (703) 557-3966.

Sincerely yours,


John H. Lee, PM-31
Antimicrobial Programs Branch
Registration Division (TS-767C)

TS-767C:KL:mb:1/4/89:557-3675:Monica#2Disk

DETERGENT/DISINFECTANT BLUE-ODORLESS

Cleaner
Detergent
Deodorizer
Sanitizer

Disinfectant
Fungicide (against pathogenic fungi)
Virucide*
Mildewstat (on hard inanimate surfaces)

ACTIVE INGREDIENTS

n-Alkyl (60% C14, 30% C16, 5% C12, 5% C18) dimethyl benzyl ammonium chlorides 6.2
n-Alkyl (68% C12, 32% C14) dimethyl ethylbenzyl ammonium chlorides 6.2

INERT INGREDIENTS

87.5
Total 100.0

EPA Reg. No. 3838-42
EPA Est. No. 3838-WI-1

KEEP OUT OF REACH
OF CHILDREN

DANGER

CAUSES EYE DAMAGE

For Commercial, Industrial and Institutional Use Only.

SEE ADDITIONAL
PRECAUTIONARY
STATEMENTS ON LABEL

Essential Industries Inc.

MERTON, WISCONSIN 53056

PHONE (414) 691-3000

ACCEPTED
with COMMENTS
in EPA Letter Dated:

JAN 04 1989

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

3838-42

BEST AVAILABLE COPY

Prevention of Cross Contamination

QUAT 256, when diluted at the rate of 1/2 oz. per gallon of water is an effective disinfectant against the organism *Pseudomonas aeruginosa* and meets all requirements for hospital use, when used as directed. QUAT 256 is formulated to disinfect inanimate hard surfaces such as walls, floors, sink tops, toilet bowls, tables, chairs, telephones and bed frames. For larger areas, such as operating rooms, patient care facilities and restrooms, the product is designed to provide both general cleaning and disinfecting. In addition, QUAT 256 deodorizes those areas which generally are hard to keep fresh smelling, such as garbage storage areas, empty garbage bins and cans, toilet bowls, and any other areas which are prone to odors caused by micro organisms.

DISINFECTION To disinfect hard, inanimate surfaces (such as walls, floors, table tops) add 1/2 oz. QUAT 256 per gallon of water. Apply solution with mop, cloth or sponge or mechanical sprayer as to wet thoroughly. Allow to remain wet for 10 min. and then let air dry. To disinfect toilet bowls, flush toilet, add 1/2 ounce QUAT 256 directly to the bowl water. Scrub the bowl completely, using a scrub brush or toilet mop, making sure to get under the rim. Let stand for 10 min., and flush. For heavily soiled areas, a pre-cleaning step is required and recommended. Prepare a fresh solution for each use.

QUAT 256 exhibits effective disinfectant activity against the following:

- | | |
|--------------------------------------|-----------------------------------|
| <i>Pseudomonas aeruginosa</i> PRD-10 | <i>Brevibacterium ammanigenes</i> |
| <i>Escherichia coli</i> | <i>Streptococcus faecalis</i> |
| <i>Klebsiella pneumoniae</i> | <i>Shigella dysenteriae</i> |
| <i>Salmonella schuffnerae</i> | <i>Enterobacter aerogenes</i> |
| <i>Salmonella choleraesuis</i> | <i>Staphylococcus aureus</i> |
| <i>Streptococcus salivarius</i> | |

At this level the product is fungicidal against the pathogenic fungi, *Trichophyton mentagrophytes*.

VIRUCIDAL * ACTIVITY The product when used on environmental inanimate hard surfaces at 1/2 ounce per gallon of water exhibits effective virucidal activity against influenza A2/Ashen (representative of the common flu virus), Herpes simplex (causative agent of fever blisters and mononucleosis), Adeno virus type 5 (causative agent of upper respiratory infections) and Vaccinia virus (representative of the pox virus group).

MILDEWSTAY - To control mold and mildew on pre-cleaned, hard non-porous surfaces (such as floors, walls, table tops) add 1/2 oz. QUAT 256 per gallon of water. Apply solution with a cloth, mop, or sponge, making sure to wet all surfaces completely. Let air dry. Prepare a fresh solution for each use. Repeat application at weekly intervals or when mildew growth reappears.

SANITIZATION - To sanitize previously cleaned and rinsed nonporous food contact surfaces, prepare 200 ppm active quaternary solution by adding 1 oz. QUAT 256 to 5 gallons of water.

To sanitize immobile items (such as tanks, chopping blocks, counter tops), flood the area with 200 ppm QUAT 256 solution or apply with a cloth or sponge, making sure to wet all surfaces completely for at least 60 seconds.

No rinse is required.

To sanitize mobile items (such as drinking glasses, eating utensils), immerse in 200 ppm QUAT 256 solution for at least 60 seconds making sure to immerse completely. Remove and rinse thoroughly with POTABLE WATER. Prepare a fresh solution daily or more frequently as soil is apparent.

QUAT 256 is an effective sanitizer when diluted in water up to 600 ppm hardness (CaCO3). When used for sanitation of previously cleaned food equipment or food contact items 200 ppm active quaternary is 200 ppm.

EFFICACY TESTS HAVE DEMONSTRATED THAT QUAT 256 IS AN EFFECTIVE BACTERICIDE, FUNGICIDE AND VIRUCIDE* IN THE PRESENCE OF ORGANIC SOIL (5% BLOOD SERUM)

KEEP OUT OF THE REACH OF CHILDREN

DANGER CORROSIVE Causes eye damage and skin irritation. Do not get in eyes, on skin or on clothing. Harmful if swallowed. Avoid contamination of food.

PRECAUTIONARY STATEMENTS

Hazard to Human and Domestic Animals
DANGER

Keep out of Reach of Children. Causes severe eye and skin damage. Do not get in eyes, skin or on clothing. Harmful if swallowed. Wear goggles or face shield and rubber gloves when handling. Avoid contamination of food. Remove and wash contaminated clothing.

STATEMENT OF PRACTICAL TREATMENT

In case of contact, immediately flush eyes or skin with plenty of water for at least 15 min. For eyes, call a physician. Remove and wash all contaminated clothing before reuse. If swallowed, drink milk, egg whites, gelatin solution or if these are not available, drink large quantities of water. Call a physician. Never give anything by mouth to an unconscious person.

NOTE TO PHYSICIAN

Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock as well as oxygen and measures to support breathing manually or mechanically may be needed. If persistent, convulsions may be controlled by the cautious intravenous injection of a shortacting barbiturate drug.

STORAGE & DISPOSAL

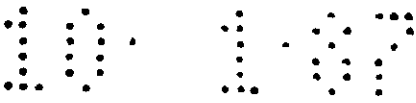
- DO NOT CONTAMINATE WATER, FOOD OR FEED BY STORAGE OR DISPOSAL.

STORAGE Store in a dry place no lower in temperature than 50°F or higher than 120°F.

CONTAINER DISPOSAL 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.

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 of the nearest EPA Regional Office for guidance.

Contents: 5 Gallons



ACCEPTED
with COMMENTS
in EPA Letter Dated:

JAN 04 1989

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

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