

1/3 6125-27 PM 31

DEC 07 1987

Bixon Chemical Company
50-19 97th Place
Corona, NY 11368

Attention: Kenneth J. Kaiser

Gentlemen:

Subject: Quat No. 4 Detergent/Disinfectant
EPA Registration No. 6125-27
Your Amendment Application Dated January 20, 1987

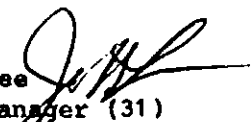
The amendment referred to above, submitted in connection with the Label Improvement Program Notice for Antimicrobial Products Used as Food Contact Surface Sanitizers, is acceptable provided that you:

1. Make the labeling change listed below before you release the product for shipment bearing the amended labeling.
 - Delete the term "GENERAL CLASSIFICATION."
2. Submit five (5) copies of your 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.

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

Sincerely yours,


 John H. Lee
 Product Manager (31)
 Disinfectants Branch
 Registration Division (TS-767C)

Enclosure

16777:I:Lee:L-7:KENCO:11/12/87:11/23/87:rw:vo:ek:rw:

CONCURRENCES

ORIGINATOR							
SYMBOL							
SURNAME							
DATE							

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ACCEPTED
with COMMENTS
in EPA Letter Dated:

DEC 07 1987

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

6125-27

STORAGE AND DISPOSAL

- DO NOT CONTAMINATE WITH WATER, FOOD OR FEED BY STORAGE OR DISPOSAL
- OPEN DUMPING IS PROHIBITED
- DO NOT REUSE EMPTY CONTAINER

Pesticide Disposal— Pesticides that cannot be used or chemically reprocessed should be disposed of in a landfill approved for pesticide or buried in a safe place.

Container Disposal— Triple rinse (or equivalent) and dispose in an incinerator or landfill approved for pesticide containers, or bury in a safe place.

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 minutes. 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.

NOTE TO PHYSICIAN

Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsion may be needed.

KEEP OUT OF REACH OF CHILDREN

SANITIZATION— When used for sanitization of previously cleaned food equipment or food contact items limit active quaternaries to 200 ppm. A minimum level POTABLE WATER RINSE is required. QUAT NO. 4 is an effective sanitizer when diluted in water up to 250 ppm hardness (CaCO₃).

QUAT NO 4 DETERGENT/ DISINFECTANT

Cleaner	Disinfectant
Detergent	Fungicide (against fungi)
Deodorizer	Pathogenic
Sanitizer	Virucide*
Mildewstat (on hard inanimate surfaces)	

ACTIVE INGREDIENTS:
 u-Alkyl (60% C₁₄, 30% C₁₆, 5% C₁₂, 5% C₁₈)
 dimethyl benzyl ammonium chlorides 2.25%
 n-Alkyl (68% C₁₂, 32% C₁₄) dimethyl
 ethylbenzyl ammonium chlorides 2.25%
INERT INGREDIENTS: 95.50%
TOTAL 100.00%

DANGER

See side panels for additional precautionary and practical treatment statements.

EPA REG. NO. 6125-27
EPA EST. NO. 6125MAY01

MANUFACTURED BY

BIXON CHEMICAL CO.
50-19 97th Place
Corona, N.Y. 11368

BEST AVAILABLE COPY

It is a violation of Federal law to sell or distribute this product inconsistent with its labeling.

QUAT NO. 4 detergent is not for use in hospitals, nursing homes, or other institutions where disinfection is required.

DISINFECTION— To disinfect walls, floors, table tops, etc., use 200 ppm Quat No. 4 detergent per gallon of water or mechanical sprayer for 10 minutes and then rinse.

To disinfect toilet bowls, use 200 ppm Quat No. 4 detergent per gallon of water completely using a scrub brush under the rim. Let stand for 10 minutes.

For heavily soiled areas, use 400 ppm Quat No. 4 detergent per gallon of water. Prepare a fresh solution for each use.

MILDEWSTAT— To control mildew on non-porous surfaces (such as walls, floors, etc.) use 200 ppm Quat No. 4 per gallon of water with a sponge making sure to cover the entire surface. Prepare a fresh solution for each use or when mildew appears.

SANITIZATION: To sanitize cleaned surfaces, use 200 ppm active quaternary ammonium by adding 2 ounces of Quat No. 4 to 3 1/2 gallons of water. For mobile items (such as chopping blocks, etc.) use 200 ppm area with 200 ppm Quat No. 4 allowing surface to stand for 1 minute then rinse and air dry before reuse. Prepare a fresh solution for each use.

To sanitize mobile drinking glasses and other items, scrub with detergent solution, rinse with potable water then immerse in 200 ppm Quat No. 4 solution for a minimum of 1 minute. Rinse completely and immerse in a fresh solution for 1 minute. Rinse frequently as soil accumulates.

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QUAT NO. 4 is a phosphate free concentrated detergent/disinfectant which provides effective cleaning, deodorizing, disinfection, and sanitization. QUAT NO. 4 detergent/disinfectant has been designed specifically for hospitals, nursing homes, schools, food processing plants and other institutions where housekeeping is of prime importance in controlling the hazard of cross contamination.

QUAT NO. 4 when diluted at the rate of 2 ounces 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 NO. 4 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 NO. 4 deodorizes those areas which generally are required to keep fresh smelling, such as garbage storage areas, empty trash bins and cans, toilet bowls and any other areas which are prone to odors caused by microorganisms.

DISINFECTION— At 2 ounces per gallon dilution, QUAT NO. 4 exhibits effective disinfectant activity against the following:

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

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

Virucidal* Activity: The product when used on environmental inanimate hard surfaces at 2 ounces per gallon of water exhibits effective virucidal* activity against Influenza A2 — Asian (representative of the common flu virus), Herpes simplex (causative agent of fever blisters and mononucleosis), Adeno virus type 2 (causative agent of upper respiratory infections), and Vaccinia virus (representative of the pox virus group).

Efficiency tests have demonstrated that QUAT NO. 4 is an effective bactericide, fungicide, and virucide* in the presence of organic soil (1% blood serum).

Mold and Mildewstat— QUAT NO. 4 prevents and controls mold and mildew and the odors they cause on hard non-porous inanimate surfaces.

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