

1/3 4828-81 PMA 31

18603 1987

ABCO, Inc.
P.O. Box J
Irwin, PA 15642

Attention: Allan Apter

Gentlemen:

Subject: Quatrene
EPA Registration No. 4828-81
Your Submission Dated August 26, 1986

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 changes listed below before you release the product for shipment bearing the amended labeling.
 - a. Ethylene alcohol should be deleted from the active ingredients and be included with the inert ingredients. The inert ingredients percentage must be corrected accordingly.
 - b. Under SANITIZING: Revise the directions to include a contact time of at least 1 minute. The directions for dishes, glassware, etc., must also provide instructions to drain the use solution from the surface and air dry.
 - c. Under SANITIZING: Make the following revisions:

For mechanical operations, include the limitation that the prepared use solution may not be reused for sanitizing but may be used for other purposes such as cleaning. For manual operations, include the requirement that fresh sanitizing solution must be prepared at least daily or more often if the solution becomes diluted or soiled.

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CONCURRENCES

SYMBOL ▶								
SURNAME ▶								
DATE ▶								

2. For our records submit a revised Confidential Statement of Formula (CSF). Change the amount of "BTC 2125M (80%)" from 250 pounds to 125 pounds and increase the amount of water to 875 pounds, so that the CSF would agree with the label.

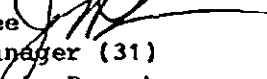
Note that according to your current CSF in our files you should declare 10% of each quaternary compound, instead of 5%.

3. 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

EPA EST.
4828-PA-1

EPA REG. No.
4928-81



MANUFACTURING CHEMISTS QUATRENE

Disinfectant, Sanitizer and Deodorizer. Particularly Effective
As A Room Fogger As An Adjunct To Manual Cleaning And
Disinfecting Of Room Surfaces

ACTIVE INGREDIENTS:	
n-Alkyl (60% C14, 33% C16, 5% C12, 2% C18)	
dimethyl benzyl ammonium chlorides	5%
n-Alkyl (60% C12, 33% C14) dimethyl	
ethylbenzyl ammonium chlorides	5%
Ethyl alcohol	2%
INERT INGREDIENTS	82%
	100%

DANGER
KEEP OUT OF REACH OF CHILDREN
(See Antidote Statement and other
Precautions on Back Panel)

Quatrene is a concentrate and should be diluted before use.

NET CONTENTS _____ GALS.

ONLY FOR SALE TO, USE, AND
STORAGE BY SERVICE PERSONNEL. 1284

ABCO INC. P.O. BOX 1
IRWIN, PA 15348-0001

ACCEPTED
FEB 03 19
4828-

QUATRENE

DIRECTIONS FOR USE

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

STORAGE AND DISPOSAL

STORAGE: Do not contaminate water, food or feed by storage or disposal.
PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.
CONTAINER DISPOSAL: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

ROOM FOGGING: Apply as follows, as an adjunct to manual cleaning and disinfecting, to reduce the hazard of cross-infection from environmental surfaces. Remove all human or plant life from room. Open closet doors and drawers. Set up revolving sprayer or other fogging device in center of room. Unit should operate at 3 RPM. Fill reservoir with 1 1/2 oz. of product mixed with 1 gallon of water. Set sprayer to deliver 1 gallon of solution. Fog for 15 minutes in an average 2100 cu. ft. room. Adjust spray time proportionately for other room sizes, so as to insure complete wetting of all surfaces. Enter room only 2 hours after treatment is completed. Rinse spraying device with clear water. Now proceed with routine terminal cleaning and disinfecting.

COLD DISINFECTING: Submerge previously cleaned surgical instruments, dental equipment and barber tools in a solution containing 1 1/2 oz. product per gallon of water for at least 10 minutes.

SANITIZING:

1. **FOOD PROCESSING EQUIPMENT & FOOD UTENSILS**--Dilute 1 oz. product per 4 gallons of water. At this level, no potable water rinse is required.
2. For dishes, glassware, cooking utensils, or silverware, first wash with soap or synthetic detergent, rinse thoroughly and immerse in a sanitizing solution of 1 oz. per 4 gallons of water. No terminal potable water rinse needed.
3. **DAIRY EQUIPMENT**--Clean and rinse equipment thoroughly, then apply a solution of 1 oz. per 4 gallons of water. No potable water rinse required. Follow local Health Board recommendations.

HOSPITALS: For floors, walls and other surfaces such as sink tops, garbage pails, telephones and restrooms, use 3 1/2 oz. product per 5 gallons of water. Material is effective against *Pseudomonas aeruginosa* PRD-10 at this level.

OTHER AREAS OF USE: To sanitize and disinfect floors, walls and laminate hard surfaces in schools, locker rooms, classrooms, corridors, offices, and shower stalls apply with mop or cloth. **TO SANITIZE**--Use 1 ounce in 4 gallons

of water. **TO DISINFECT**--use in 3 gallons of water. Disinfection kills *Staphylococcus aureus* and *Salmonella choleraesuis*.

DANGER

Causes severe eye and skin irritation. Do not get in eyes, on skin or clothing. Wear goggles or face shield and rubber gloves when handling. Harmful or fatal if swallowed. Contamination of food.

FIRST AID--In case of contact, immediately flush eyes or skin with copious amounts of water for at least 15 minutes. If swallowed, call a physician. Remove all contaminated clothing. If necessary, drink milk or water. If not available, drink large amounts of water. Call a physician for breathing spray mist.

Seller makes no warranty, express or implied, concerning the use of this product other than that on the label. Buyer assumes all of the risk and/or handling of this material when such use and/or handling is contrary to label instructions.

1284

ABCO Inc.

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