

PM 31 6836-57 1075
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

JUL 09 1993

Lonza, Inc.
17-17 Route 208
Fair Lawn, NJ 07410

Attention: John Pazdera
Manager, Regulatory Services

Gentlemen:

) Subject: Barquat 42Z-10
EPA Registration No. 6836-57
Your Submission Dated October 26, 1992

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable provided that you:

1. Submit and/or cite all data required for registration/ reregistration of your product under FIFRA sec 3(c)(5) when the Agency requires all registrants of similar products to submit such data.
2. Make the following labeling changes below before you release the product for shipment bearing the amended labeling.

) a. Delete the statement: Measures against circulatory shock, respiratory depression and convulsion may be needed.

b. Delete the statement:

Do not use or store near heat or open flame.

NOTE: No data was submitted to support this claim.

c. Delete the Statement: For sale for use and storage by maintenance personnel only.

CONCURRENCES

SYMBOL	H7505C							
SURNAME	Francis							
DATE	7-8-93							

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

- 2 -

d. Add the following additional precautionary statement:

Wash thoroughly with soap and water after handling.

e. Add the following additional instructions.

Do not use water containing residues from use of this product to irrigate crops used for food or feed.

Use of the product in either public/municipal or single or multiple family private/residential potable/drinking water systems is strictly prohibited. Use of the product in any cooling water system that discharges effluent within 1/4 mile of either a public/municipal or single or multiple family private/residential potable/drinking water intake is strictly prohibited.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). A 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,



John H. Lee
Product Manager 31
Antimicrobial Program Branch
Registration Division (H7505C)

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10/26/92

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PRECAUTIONARY STATEMENTS

HAZARD TO HUMANS AND DOMESTIC ANIMALS

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

ENVIRONMENTAL HAZARDS

This product is toxic to fish. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or public water unless this product is specifically identified and addressed in a NPDES permit. 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.

PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat or open flame.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. Do not store on side. Avoid creasing or impacting of side walls.

Pesticide Disposal

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray, or mixture of 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

Metal Container: 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.

If container is 1 gallon or less, do not reuse empty container (bottle, can, bucket). Wrap container and put in trash.

ACCEPTED
with COMMENTS
in EPA Water Data

JUL 09 1993

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

6836-57

BARQUAT 42Z-10

Disinfectant-Sanitizer-Fungicide Deodorizer for Hospital, Institutional,
Dairy and Other Farm Use and for the Control of Mollusk
Fungal Slimes in Once-Through and Closed-Cycle Fresh and

Active Ingredients

Alkyl (C₁₂, 60%; C₁₄, 30%; C₁₂, 5%; C₁₄, 5%)
Dimethyl Benzyl Ammonium Chloride

Alkyl (C₁₂, 68%; C₁₄, 32%)
Dimethyl Ethylbenzyl Ammonium Chloride

Inert Ingredients

KEEP OUT OF REACH OF CHILDREN

DANGER

STATEMENT OF PRACTICAL TREATMENT

In case of contact, immediately flush eyes or skin with plenty of water. If in eyes, call a physician. Remove and wash contaminated clothing before reuse.

If swallowed, drink promptly a large quantity of milk, egg whites, or water. If available, drink large quantities of water. Avoid alcohol. Call a physician.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of certain measures against circulatory shock, respiratory depression and other complications.

SEE LEFT PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

EPA Registration No.

EPA Establishment No.

Net Contents

Manufactured by:
LONZA INC., 17-17 Route 208, Fair Lawn, NJ 07410

For Sale For Use And Storage By
Maintenance Personnel Only

DIRECTIONS FOR USE

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

Apply BARQUAT 42Z-10 with a cloth, mop or mechanical spray device. When applied with a mechanical spray device, surface must be sprayed until thoroughly wetted. Treated surfaces must remain wet for 10 minutes. Fresh solution should be prepared daily or when the use solution becomes visibly dirty.

DISINFECTION IN HOSPITALS, NURSING HOMES AND OTHER HEALTH CARE INSTITUTIONS.

For disinfecting floors, walls, countertops, bathing area lavatories, bedframes, tables, chairs, garbage pails and other hard non-porous surfaces. Add 4.5 oz. BARQUAT 42Z-10 to 5 gallons water. Apply to previously cleaned hard surface with mop or cloth. At this use level, BARQUAT 42Z-10 is effective against *Pseudomonas aeruginosa*.

DISINFECTANT IN INSTITUTIONS, INDUSTRY AND SCHOOLS.

For disinfecting floors, walls, bedframes, countertops, tables, chairs, garbage pails, bathroom fixtures and other hard surfaces. Add 3 oz. of BARQUAT 42Z-10 to 5 gallons of water. Apply to previously cleaned hard surface with mop or cloth. At 3 oz./5 gallon use-level, BARQUAT 42Z-10 is effective against *Staphylococcus aureus* and *Salmonella choleraesuis*.

FUNGICIDAL ACTIVITY

At 8 oz./5 gallons use-level BARQUAT 42Z-10 is effective against *Trichophyton interdigitale* (athlete's foot fungus) on inanimate hard surfaces.

DISINFECTION OF BARBER TOOLS.

Pre-cleaned barber tools (such as combs, brushes, razors and scissors) can be disinfected by immersing in a .6 oz./gallon solution of BARQUAT 42Z-10.

DISINFECTION OF POULTRY EQUIPMENT, ANIMAL QUARTERS AND KENNELS.

Poultry brooders, watering founts, feeding equipment and other animal quarters (such as stalls and kennel areas) can be disinfected after thorough cleaning by applying a solution of 4.5 oz. BARQUAT 42Z-10 to 5 gallons of water with a mop, cloth or brush. Small utensils should be immersed in this solution.

Prior to disinfection, all poultry, other animals and their feeds must be removed from the premises. This includes emptying all troughs, racks and other feeding and watering appliances. Remove all litter and droppings from the floors, walls and other surfaces occupied or traversed by poultry or other animals.

After disinfection, ventilate buildings, coops and other closed spaces. Do not house poultry, or other animals, or employ equipment until treatment has been absorbed, set or dried.

All treated equipment that will contact feed or drinking water must be rinsed with potable water before reuse.

SANITIZING OF FOOD PROCESSING EQUIPMENT AND OTHER HARD SURFACES IN FOOD CONTACT LOCATIONS.

For sanitizing food processing equipment, dairy equipment, food utensils, dishes, silverware, glasses, sink tops, countertops, refrigerated storage and display equipment and other hard non-porous surfaces.

Wash and rinse all articles thoroughly, then apply a solution of 1 oz. BARQUAT 42Z-10 in 4 gallons of water (200 ppm active). Surfaces should remain wet for at least one minute followed by adequate draining and air drying. Fresh solution should be prepared daily or when solution becomes visibly dirty. For mechanical application, use solution may not be reused for sanitizing applications.

Apply to sink tops, countertops, refrigerator storage and display equipment and other stationary hard surfaces by cloth or brush.

Dishes, silverware, glasses, cooking utensils and other similar size food processing equipment can be sanitized by immersion in a 1 oz./4 gallon solution of BARQUAT 42Z-10. No potable water rinse is required.

At 1 oz./4 gallons, BARQUAT 42Z-10 has a hard water tolerance of 750 ppm of hardness calculated as CaCO_3 , when evaluated by the AOAC Germicidal and Detergent Sanitizer Method against *Escherichia coli* and *Staphylococcus aureus*.

The udders, flanks and teats of dairy cows can be sanitized by washing with a solution of 1 oz. BARQUAT 42Z-10 in 4 gallons of warm water.

Use a fresh towel for each cow. Avoid contamination of sanitizing solution by dirt and soil. Do not dip used towel back into sanitizing solution. When solution becomes visibly dirty, discard and provide fresh solution.

ACCEPTED
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in EPA Letter Dated:

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1. 6836-57

5 of 5

FOR THE CONTROL OF MOLLUSCA, BACTERIA, FUNGI AND ALGAE

When used as directed, BARQUAT 42Z-10 helps to effectively control algae, bacteria, fungi and macrofouling species such as clams, barnacles, and mussels in commercial and industrial recirculating and once-through cooling water systems, influent water systems, brewery pasteurizers, auxiliary water systems and waste water systems. Product addition should be made with a metering pump. Product may be fed continuously or on an intermittent basis depending in the degree of system fouling and retention time.

BACTERIAL, FUNGAL AND ALGAE CONTROL IN RECIRCULATING, AUXILIARY AND WASTE WATER SYSTEMS, AND PASTEURIZERS

INITIAL DOSE: Add BARQUAT 42Z-10 at an initial dosage of 1-2 gallons per 5,000 gallons of system water (200-400 ppm). Repeat until the desired level of control is achieved. Heavily contaminated systems must be pre-cleaned.

SUBSEQUENT DOSE: Once control is achieved, add maintenance dosages of 1-4 quarts BARQUAT 42Z-10 per 5,000 gallons of system water (50-200 ppm) weekly or as needed to maintain control. Apply BARQUAT 42Z-10 to a point in the system where it will be uniformly mixed and distributed, such as the tower sump.

MACROFOULING CONTROL IN RECIRCULATING, AUXILIARY COOLING WATER AND WASTE WATER SYSTEMS

INITIAL DOSE: For the control of macrofouling growth such as clams, barnacles, and mussels, add 0.08-0.80 pounds of BARQUAT 42Z-10 per 1,000 gallons of system water (10-100 ppm). Repeat as necessary to achieve control.

SUBSEQUENT DOSE: When control is evident, add 0.08-0.40 pounds of BARQUAT 42Z-10 per 1,000 gallons of system water (10-50 ppm) as needed to maintain control.

ONCE-THROUGH COOLING WATER SYSTEMS INTERMITTENT FEED

INITIAL DOSE: When the system is noticeably fouled, add BARQUAT 42Z-10 at a dosage of 0.08-0.80 pounds per 1,000 gallons of water (10-100 ppm) based on system flow rates. The minimum treatment period should be 6 to 24 hours. Repeat as necessary to achieve control.

SUBSEQUENT DOSE: When control is evident, add BARQUAT 42Z-10 at a dosage of 0.04-0.40 pounds per 1,000 gallons of water (5-50 ppm) based on system flow rates on an as needed basis to maintain control. Frequency of feed should be tied to an in-plant monitoring program for macrofouling growth.

ONCE-THROUGH COOLING WATER SYSTEMS CONTINUOUS FEED

INITIAL DOSE: When the system is noticeably fouled, add BARQUAT 42Z-10 at a dosage of 0.04-0.40 pounds per 1,000 gallons of water (5-50 ppm) based on system flow rates. Continue to feed until needed control is achieved.

SUBSEQUENT DOSE: Maintenance control can be effective through continuous feed of BARQUAT 42Z-10 at a dosage of 0.016-0.16 pounds per 1,000 gallons of water (2-20 ppm) based on system flow rates.

BARQUAT 42Z-10 IS INTENDED FOR INDUSTRIAL USE ONLY

Do not apply to potable or domestic water systems.

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