

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

MAY 20 1997

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

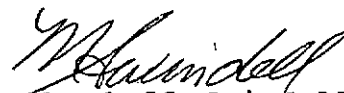
Subject: Barquat 42Z-10
EPA Registration No. 6836-57
Notification Per PR-Notice 95-2
Your Notification Dated April 11, 1997

Dear Ms. Trager:

This will acknowledge receipt of your notification to change "Hazardous" to "Hazards"; insert the word "and" in the sentence "Do not contaminate water, food or feed by storage and disposal"; and to add the proper disposal instructions for the metal and plastic containers, submitted under the provisions of FIFRA section 3(c)9. Based on a review of the submitted material, the following comments apply.

The application is acceptable and the notification has been made a part of the records for this file.


Sincerely,



Marshall Swindell
Notification Coordinator
Antimicrobial Program Branch
Antimicrobial Division (7510W)

CONCURRENCES

SYMBOL	7510W						
SURNAME	P. Hasty						
DATE	5/16/97						

(A) 	United States Environmental Protection Agency Office of Pesticide Programs (H7505C) Washington, DC 20460	<input type="checkbox"/> Registration <input type="checkbox"/> Amendment <input checked="" type="checkbox"/> Other	OPP Identifier Number 162364
	Application for Pesticide:		

Section I

1. Company/Product Number 6836-57	2. EPA Product Manager Marshall Swindell	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) BARQUAT 42Z-10	PM# 31	
5. Name and Address of Applicant (Include ZIP Code) LONZA INC. 17-17 ROUTE 208 FAIR LAWN, NJ 07410 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section II

<input type="checkbox"/> Amendment - Explain below	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

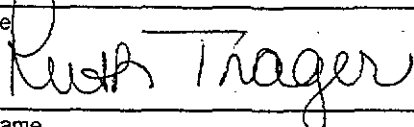
NOTIFICATION AS PER PER NOTICE 95-2: - Correct label for typographical mistakes including:

- "Hazardous" was changed to "Hazards" in the subtitle "Hazards to Humans and Domestic Animals"
- The word "and" was inserted in the sentence "Do not contaminate water, food or feed by storage and disposal."
- The Container Disposal instructions for metal containers were incorrect. They contained the instructions for plastic containers. The proper instructions for metal containers were added and the instructions for plastic containers were properly listed as such.

Section III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes* <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____		
* Certification must be submitted.		If "Yes," Unit Package wgt.	No. per container	If "Yes," Package wgt.	No. per container
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) of Retail Container		5. Location of Label Directions <input type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner In Which Label Is Affixed To Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled		<input type="checkbox"/> Other (_____)			

Section IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)					
Name RUTH TRAGER		Title Manager, Regulatory Services		Telephone No. (include Area Code) 201-794-2466	
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.					6. Date Application Received (Stamped)
2. Signature 		3. Title Manager, Regulatory Services			
4. Typed Name RUTH TRAGER		5. Date April 11, 1997			

LONZA

LONZA Inc.
Corporate Headquarters
17-17 Route 208
Fair Lawn, NJ 07410-2821

CERTIFICATION STATEMENT

This notification is consistent with the provisions of PR Notice 95-2 and EPA regulations at 40 CFR §152.46 and no other changes have been made to the labeling or the CSF of this product. I understand that it is a violation of 18 USC §1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR notice 95-2 and 40 CFR §152.46, this product may be in violation of FIFRA and I may be subject to enforcement actions and penalties under § 12 and 14 of FIFRA.



Ruth Trager
Manager, Regulatory Services

May 15, 1997



PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND
DOMESTIC ANIMALS

DANGER

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. Wash thoroughly with soap and water after handling.

(if container is 5 gallons or larger, use the following Environmental Hazards statement:)

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

(for container sizes of one gallon or less, use the following storage and disposal statements:)

STORAGE AND DISPOSAL

Do not store on side.
Avoid creasing or impacting of side walls.
Do not reuse empty container.
Wrap container and put in trash.

(for container sizes greater than one gallon, use the following storage and disposal statements:)

STORAGE AND DISPOSAL

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

PESTICIDE DISPOSAL

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticides, 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

(Plastic 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.

(Metal Container:)

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.

BARQUAT 42Z-10

Disinfectant-Sanitizer-Fungicide-Virucide*
Deodorizer for Hospital, Institutional,
Industrial, School, Dairy and Other
Farm Use and for the Control of Mollusks and Algal,
Bacterial and Fungal Slimes in Once-Through and Closed-Cycle
Fresh and Sea Water Cooling Systems

Active Ingredients:

Alkyl (C₁₄, 60%; C₁₆, 30%; C₁₂, 5%; C₁₈, 5%) 5.0%
Dimethyl Benzyl Ammonium Chloride

Alkyl (C₁₂, 68%; C₁₄, 32%) 5.0%

Dimethyl Ethylbenzyl Ammonium Chloride 90.0%

Inert Ingredients: 100.0%

KEEP OUT OF REACH OF CHILDREN

DANGER

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 contaminated clothing before reuse.

If swallowed, drink promptly a large quantity of milk, egg whites, gelatin solution; or if these are not available, drink large quantities of water. Avoid alcohol. Call a physician immediately.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

SEE LEFT PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

EPA Reg. No. 6836-57

EPA Est. No. 6836-IL-1

Net Contents *(insert appropriate size here)*

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

5 7 7

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 areas, lavatories, bedframes, tables, chairs, garbage pails and other hard non-porous surfaces.

Add 1 oz. BARQUAT 42Z-10 per gallon of water. Apply to previously cleaned hard surface with mop or cloth.

At this use-level, BARQUAT 42Z-10 is effective against *Pseudomonas aeruginosa*, Hepatitis B Virus (HBV) and Human Immunodeficiency Virus Type 1 (HIV-1).

This product is not to be used as a terminal sterilant/high level disinfectant on any surface or instrument that (1) is introduced directly into the human body, either into or in contact with the bloodstream or normally sterile areas of the body, or (2) contacts intact mucous membranes but which does not ordinarily penetrate the blood barrier or otherwise enter normally sterile areas of the body. This product may be used to pre-clean or decontaminate critical or semi-critical medical devices prior to sterilization or high level disinfection.

DISINFECTANT IN INSTITUTIONS, INDUSTRY AND SCHOOLS.

For disinfecting floors, walls, bedframes, countertops, tables, chairs, garbage pails, bathroom fixtures and other hard, non-porous surfaces. Add 0.6 oz. of BARQUAT 42Z-10 per gallon of water. Apply to previously cleaned hard surface with mop or cloth.

At 0.6 oz. per gallon of water use-level, BARQUAT 42Z-10 is effective against *Staphylococcus aureus* and *Salmonella choleraesuis*.

FUNGICIDAL ACTIVITY

At 1.6 oz. per gallon of water use-level BARQUAT 42Z-10 is effective against *Trichophyton mentagrophytes* (athlete's foot fungus) on inanimate hard, non-porous surfaces.

DISINFECTION OF BARBER TOOLS

Pre-cleaned barber tools (such as combs, brushes, razors, and scissors) can be disinfected by immersing in a 0.6 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 1 oz. BARQUAT 42Z-10 per gallon 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 floors, walls and other surfaces occupied or traversed by poultry or other animals. After disinfection, ventilate building, 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.

This product when used on hard, non-porous, inanimate environmental surfaces at 1 oz. per gallon of water for a 10 minute contact (5% organic soil) is effective against Hepatitis B Virus (HBV). This product also kills human immunodeficiency virus Type 1 (HIV-1) after 30 second contact time.

***KILLS HIV-1 and HBV 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 transmission of HIV-1 or HBV.

"SPECIAL INSTRUCTIONS FOR CLEANING OR DECONTAMINATING AGAINST HIV-1 AND HBV OR SURFACES/OBJECTS SOILED WITH BLOOD/BODY FLUIDS."

PERSONAL PROTECTION: Specific barrier protection items to be used when handling items soiled with blood or body fluids are disposable latex gloves, gown, masks or eye coverings.

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

"CONTACT TIME: Leave surfaces wet for 30 seconds and 10 minutes for HIV-1 and HBV respectively. The 30 second contact time will not control other common types of bacteria and viruses.

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

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 use solution becomes visibly dirty. For mechanical application, use solution may not be reused for sanitizing applications.

Apply to sink tops, countertops, refrigerated 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 dilution 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.

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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 ppm of BARQUAT 42Z-10 per 1,000 gallons of 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 system is noticeably fouled, add BARQUAT 42Z-10 at a dosage of 0.08-0.80 pounds per 1,000 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. 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.

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EPA MASTER EPA LABEL (EPA-M)

October 22, 1996 - This is the latest EPA Stamped Label (Master) for Barquat 42Z-10. This incorporates the HBV claim and HIV-1 claim.