

6836-235

01/27/2010

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

JAN 27 2010

Ms. Joanna Holcombe  
Sr. Commercial Regulatory Services Associate  
Lonza, Inc.  
90 Boroline Road  
Allendale, NJ 07401

Subject: **Barquat 42Z-50**  
EPA Registration Number 6836-235  
Application Dated December 29, 2009  
EPA Received Date December 31, 2009

Dear Ms. Holcombe:

This will knowledge receipt of your notification, submitted under the provisions of FIFRA section 3c 9. Based on a review of the submitted material the following comment apply.

**Proposed Amendment:**

- Container Disposal Statements. per PR Notice 2007-4
- Add optional barcode, "country or origin" statement, and "manufactured in" statement;

**General Comments:**

Based on a review of the material submitted, the following comment apply:

The notification is acceptable. A copy has been inserted in your file for future reference.

Should you have any questions or comments concerning this letter, please contact Drusilla Copeland at (703) 308-6224.

Sincerely,



Velma Noble  
Product Manager (31)  
Regulatory Management Branch I  
Antimicrobials Division (7510F)

SYMBOL							
SURNAME							
DATE							

<b>EPA</b> Environmental Protection Agency Washington, DC 20460	<input type="checkbox"/> Registration <input type="checkbox"/> Amendment <input checked="" type="checkbox"/> Other	OPP Identifier Number
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**Application for Pesticide - Section I**

1. Company/Product Number <b>6836-235</b>	2. EPA Product Manager <b>Velma Noble</b>	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) <b>Barquat 42Z-50</b>	PM# <b>31</b>	
5. Name and Address of Applicant (Include ZIP Code) Lonza Inc. 90 Boroline Road Allendale, NJ 07401  <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.)

**\*Not Subject to PRIA\***

Label Notification to update Storage and Disposal language per PR Notice 2007-4.

**PLEASE READ COVER LETTER FOR DETAILS.**

This notification is consistent with the provisions of PR-Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 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 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

Signature: Joanna Holcombe Date: 12/29/09

**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
*Certification must be submitted		If "Yes" Unit Packaging wgt.      No. per container	If "Yes" Package wgt.              No. per container	<input type="checkbox"/> Glass	<input type="checkbox"/> Paper
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) 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"/> Other _____ <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled					

**Section - IV**

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application)		
Name <b>Joanna Holcombe</b>	Title <b>Sr. Commercial Regulatory Services Associate</b>	Telephone No. (Include Area Code) <b>201-316-9297</b>
<b>Certification</b> 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 <u>Joanna Holcombe</u>		
3. Title <b>Sr. Commercial Regulatory Services Associate</b>		
4. Typed Name <b>Joanna Holcombe</b>		5. Date <b>December 29, 2009</b>



Via FedEx

Ms. Velma Noble, PM-31  
Document Processing Desk (NOTIFY)  
Office of Pesticide Programs (7504P)  
US Environmental Protection Agency  
Room S-4900, One Potomac Yard  
2227 S. Crystal Drive  
Arlington, VA 22202

Lonza Inc  
Allendale  
90 Boroline Road  
Allendale, NJ 07401, USA

Joanna Holcombe  
Lonza Life Science Ingredients  
Commercial Regulatory Services

Tel 201-316-9297  
Fax 201-696-3470  
joanna.holcombe@lonza.com

Joanna Holcombe  
December 29, 2009

**SUBJECT: Barquat 42Z-50, EPA Reg. No. 6836-235  
Application for Label Notification**

Dear Ms Noble:

I am submitting an application to accomplish the following for the above named product:

- Add optional barcode, "country of origin" statement, and "manufactured in" statement; and
- Update the Storage and Disposal language per PR Notice 2007-4.

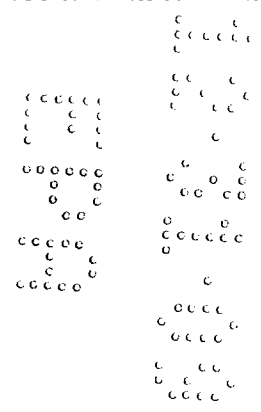
Please find the enclosed documents in support of this notification:

- Application for Notification;
- One copy of the proposed label with changes highlighted; and
- Two copies of the proposed label.

If you have any questions or need any additional information, please feel free to contact me at 201-316-9297.

Sincerely,  
Lonza Inc.

Joanna Holcombe  
Sr. Commercial Regulatory Services Associate



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# BARQUAT 42Z-50

For the Control of Mollusks and Algae, Bacterial and Fungal Slimes, in Once-Through and Closed-Cycle Fresh and Sea Water Cooling Systems

**ACTIVE INGREDIENTS:**

Alkyl (C<sub>14</sub>, 60%; C<sub>16</sub>, 30%; C<sub>12</sub>, 5%; C<sub>18</sub>, 5%)  
 Dimethyl Benzyl Ammonium Chloride.....25.0%  
 Alkyl (C<sub>12</sub>, 68%; C<sub>14</sub>, 32%)  
 Dimethyl Ethylbenzyl Ammonium Chloride .....25.0%  
**OTHER INGREDIENTS:** .....50.0%  
 100.0%

**KEEP OUT OF REACH OF CHILDREN**

## DANGER

FIRST AID

**IF IN EYES:** Hold eye open and rinse slowly and gently with water for 15 – 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.

**IF ON SKIN OR CLOTHING:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 – 20 minutes.

**IF SWALLOWED:** Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

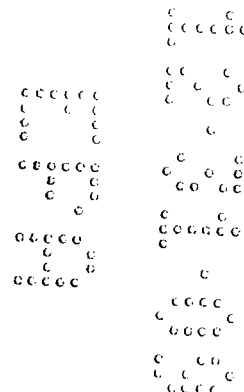
**IF INHALED:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

Call a poison control center or doctor for treatment advice. Have the product container or label with you when calling a Poison Control Center or doctor or going for treatment.

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

EPA Reg. No. 6836-235  
 EPA Est. No. (Enter EPA Est. No. Here)  
 NET CONTENTS \_\_\_\_\_  
 [Country of origin: (insert country)]  
 [Manufactured in: (insert country)]  
 [Barcode]

Lonza Inc.  
 90 Boroline Road  
 Allendale, NJ 07401



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**PRECAUTIONARY STATEMENTS  
HAZARDOUS TO HUMANS AND DOMESTIC ANIMALS**

**DANGER. CORROSIVE.** Causes irreversible eye damage and skin burns. Do not get in eyes, on skin, or on clothing. Wear protective eyewear (goggles, safety glasses), protective clothing, and protective gloves (chemical or rubber). May be fatal if swallowed, absorbed through the skin, or inhaled. Do not breathe vapor. Wear a MSHA/NIOSH-approved dust/mist filtering respirator number TC-21C or a NIOSH approved respirator with any N, R, P, or HE filter. Wash thoroughly with soap and water after handling and before eating, drinking, and using tobacco. Remove contaminated clothing and wash before reuse.

**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.

**BARQUAT 42Z-50 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 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 ¼ mile of either a public / municipal or single or multiple family private / residential potable / drinking water intake is strictly prohibited.

**DIRECTIONS FOR USE**

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

Apply BARQUAT 42Z-50 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.

**FOR THE CONTROL OF MOLLUSCA, BACTERIA, FUNGI AND ALGAE**

When used as directed, BARQUAT 42Z-50 helps to effectively control algae, bacteria, fungi and macro fouling species such as clams, barnacles and mussels in commercial and industrial, re-circulating 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 on 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-50 at an initial dosage of 0.2– 0.4 gallons per 5,000 gallons of system water (40 – 80 ppm, 20 – 40 ppm a.i.). 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 0.15 – 0.5 quarts BARQUAT 42Z-50 per 5,000 gallons of system water (10 – 40 ppm, 5 – 20 ppm a.i.) weekly or as needed to maintain control. Apply BARQUAT 42Z-50 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 macro fouling growth such as clams, barnacles and mussels, add 0.3 – 2.6 fluid ounces of BARQUAT 42Z-50 per 1,000 gallons of system water (2 – 20 ppm, 1 – 10 ppm a.i.). Repeat as necessary to achieve control.

**SUBSEQUENT DOSE:** When control is evident, add 0.3 – 1.3 fluid ounces of BARQUAT 42Z-50 per 1,000 gallons of system water (2 – 10 ppm, 1 – 5 ppm a.i.) as needed to maintain control.

**ONCE-THROUGH COOLING WATER SYSTEMS INTERMITTENT FEED**

**INITIAL DOSE:** When the system is noticeably fouled, add BARQUAT 42Z-50 at a dosage of 0.3 – 2.6 fluid ounces per 1,000 gallons of water (2 – 20 ppm, 1–10 ppm a.i.) 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-50 at a dosage of 0.15 – 1.3 fluid ounces per 1,000 gallons of water (1 – 10 ppm, 0.5 – 5 ppm a.i.) 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 macro fouling growth.

**DEACTIVATION:** This product must be deactivated prior to discharge of the NPDES outfall unless the NPDES permit for the facility using this product does not require deactivation.

To Deactivate: Use bentonite clay at a minimum ratio of 5 ppm clay to 1 ppm product. Deactivation must occur prior to discharge of the NPDES outfall.

**ONCE-THROUGH COOLING WATER SYSTEMS CONTINUOUS FEED**

**INITIAL DOSE:** When the system is noticeably fouled, add BARQUAT 42Z-50 at a dosage of 0.15 – 1.3 fluid ounces per 1,000 gallons of water (1 – 10 ppm, 0.5 – 5 ppm a.i.) 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-50 at a dosage of 0.05 – 0.5 fluid ounces per 1,000 gallons of water (0.4 – 4 ppm, 0.2 – 2 ppm a.i.) based on system flow rates.

**DEACTIVATION:** This product must be deactivated prior to discharge of the NPDES outfall unless the NPDES permit for the facility using this product does not require deactivation.

To Deactivate: Use bentonite clay at a minimum ratio of 5 ppm clay to 1 ppm product. Deactivation must occur prior to discharge of the NPDES outfall.

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**STORAGE AND DISPOSAL**

Do not contaminate water, food, or feed by storage or disposal.

**Pesticide Storage:**

Open dumping is prohibited. Store in original container in areas inaccessible to children. 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.

***(Note to reviewer: This Container Statement will be used only for containers 5 gallons or less.)***

**Container Disposal:**

Nonrefillable container. Do not reuse or refill this container.

***(Plastic and Metal Containers:)*** Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling or reconditioning. If not available, puncture and dispose in sanitary landfill.

***(Note to reviewer: This Container Statement will be used for containers over 5 gallons:)***

**Container Disposal:**

Nonrefillable container. Do not reuse or refill this container.

***(Plastic and Metal Containers:)*** Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling or reconditioning. If not available, puncture and dispose in sanitary landfill.

***(Fiber drums and liners:)*** Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Then dispose of liner and drum in a sanitary landfill or incinerate if allowed by State and local authorities. Do not reuse empty drum or liner.