

6836-235

01/30/2013

1/9

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Ms. Patti Golick
Lonza Inc.
90 Boroline Road
Allendale, NJ 07401

JAN 30 2013

SUBJECT: Barquat 42Z-50
EPA Registration Number: 6836-235
Application Dated: January 2, 2013
Receipt Date: January 2, 2013

Dear Ms. Golick:

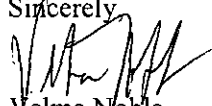
This letter acknowledges receipt of the notification identified above submitted under the provisions of section 3 (c) 9 of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended and PR Notice 98-10 and 40 CFR 152.46.

- Add Non-Refillable (less than 5 gallons) and refillable Storage and Disposal language.
- Add minor non-FIFRA updates.

Based on a review of the submitted information, this notification is acceptable. A copy has been inserted in your file for future reference.

General Comments

Should you have any questions concerning this letter, please contact Emilia Oiguenblik at (703) 347-0199 or Velma Noble at (703) 308-6233.

Sincerely,

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

CONCURRENCES							
SYMBOL							
SURNAME							
DATE							

EPA United States Environmental Protection Agency Washington, DC 20460	<input type="checkbox"/> Registration <input type="checkbox"/> Amendment <input checked="" type="checkbox"/> Other	OPP Identifier Number
--	--	-----------------------

Application for Pesticide - Section I

1. Company/Product Number 6836-235	2. EPA Product Manager Velma Noble	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Barquat 427-50	PM# 31	
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"/> Resubmission in response to Agency letter dated _____ <input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____ <input type="checkbox"/> "Me Too" Application <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 add refillable Storage and Disposal language.

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: *Patti Golick* Date: *1/2/2013*

Section - III

1. Material This Product Will Be Packaged In:			
Child-Resistant Packaging <input type="checkbox"/> Yes* <input type="checkbox"/> No <i>*Certification must be submitted</i>	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No If "Yes" Unit Packaging wgt. No. per container	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No If "Yes" Package wgt. No. per container	2. Type of Container <input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify)
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 Patti Golick	Title Sr. Commercial Regulatory Services Associate	Telephone No. (Include Area Code) 201-316-9293
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 <i>Patti Golick</i>	3. Title Sr. Commercial Regulatory Services Associate	
4. Typed Name Patti Golick	5. Date January 2, 2013	

Via FedEx

Lonza Inc
90 Boroline Road
Allendale, NJ 07401, USA

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

Patti Golick
Lonza Life Science Ingredients
Commercial Regulatory Services

Tel 201-316-9293
Patti.golick@lonza.com

January 2, 2013

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

Dear Ms Noble:

Lonza Inc. is submitting an application to accomplish the following for the above named product:

- Add Non-refillable (less than 5 gallons) and Refillable Storage and Disposal language.
- Other minor non-FIFRA additions as highlighted.

In support of this notification, enclosed are the following:

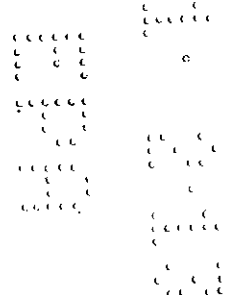
- EPA Form 8570-1, Application for Notification;
- Certification with Respect to Label Integrity;
- CD with label; and
- One copy of the proposed label with changes highlighted; and

If you have any questions or need any additional information, please feel free to contact me at 201-316-9293 or email me at patti.golick@lonza.com.

Sincerely,
Lonza Inc.



Patti Golick
Sr. Commercial Regulatory Services Associate



Note to Reviewer:

[Items in brackets [AAA] are optional and may/may not be included on final label]
[Items in braces {AAA} are for information purposes and will not appear on final label]

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 (C14, 60%; C16, 30%; C12, 5%; C18, 5%) Dimethyl Benzyl Ammonium Chloride.....	25.0%
Alkyl (C12, 68%; C14, 32%) Dimethyl Ethylbenzyl Ammonium Chloride.....	25.0%
OTHER INGREDIENTS:	50.0%
	100.0%

KEEP OUT OF REACH OF CHILDREN

DANGER [PELIGRO]

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.

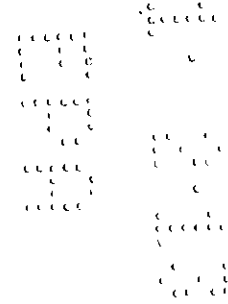
Call a poison control center or doctor for treatment advice. Have the product container or label with you when calling a Poison Control Center or doctor or going for treatment.

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 (insert container size here)

[DOT Symbols]
[Country of origin (insert country)]
[Manufactured in (insert country)]
[Barcode]

Lonza Inc.
90 Boroline Road
Allendale, NJ 07401



NOTIFICATION
Date Reviewed: 1/30/13
Reviewed By: SO

S/9

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.

NOTIFICATION
Date Reviewed: 1/30/13
Reviewed By: [Signature]

CCCCC
CCCCC
CCCCC
CCCCC
CCCCC
CCCCC
CCCCC
CCCCC
CCCCC
CCCCC

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.

NOTIFICATION
Date Reviewed: 1/30/13
Reviewed By: [Signature]

NOTIFICATION
Date Reviewed: 1/30/13
Reviewed By: [Signature]

CCCCC
CCCCC
CCCCC
CCCCC
CCCCC
CCCCC
CCCCC
CCCCC
CCCCC
CCCCC

**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.

{Note to reviewer: For Nonrefillable Containers, Non-dilutable liquid Industrial Use Product 5 gallons or less}

STORAGE AND DISPOSAL

Store in original container in areas inaccessible to children. Nonrefillable container. Do not reuse or refill this container. Wrap [container] and put in trash or offer for recycling if available.

{or}

Store in original container in areas inaccessible to children. Nonrefillable container. Do not reuse or refill this container. Wrap [container] and put in trash or offer for reconditioning if appropriate.

{Note to reviewer: For Nonrefillable Containers, Non-dilutable liquid Industrial Use Product over 5 gallons}

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.

Container Disposal:

Nonrefillable container. Do not reuse or refill this container.

[Plastic containers:] 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 way of smoke.

[Metal Containers:] Triple rinse (or equivalent), then offer for recycling or reconditioning, or dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

[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.

NOTIFICATION
Date Reviewed: 1/30/13
Reviewed By: [Signature]

{Note to reviewer: For Refillable Containers – all sizes – Non-dilutable liquid Industrial Use Product}

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.

Pesticide Disposal:

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

Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before refilling is the responsibility of the refiller. Cleaning the container before final disposal is the responsibility of the person disposing of the container.

[Plastic containers:] To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. 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.

[Metal Containers:] To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Triple rinse (or equivalent), then offer for recycling or reconditioning, or dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

[Fiber drums and liners:] Empty residue into application equipment or a mix tank. Then dispose of liner and drum in a sanitary landfill or by other procedures if allowed by State and local authorities.

NOTIFICATION
Date Reviewed:

NOTIFICATION
Date Reviewed: 1/30/13
Reviewed By: [Signature]