

6836-214

06/23/2010

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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WASHINGTON, D.C. 20460United States  
Environmental Protection  
AgencyOffice of Pesticide ProgramsJoanna Holcombe,  
Lonza Inc.  
90 Boroline Road  
Allendale, NJ 07401, USA

JUN 23 2010

**Subject:** Barquat Molluscicide 50  
**Registration No.:** 6836-214  
**Date Submitted:** May 17, 2010  
**Date Received:** May 24, 2010  
**Submission #:** 875442

Dear Ms. Holcombe,

This letter acknowledges receipt of your notification submitted under the provision of the Federal Insecticide, Fungicide and Rodenticide Act. (FIFRA). PR Notice 2007-4.

**Proposed Notification:**

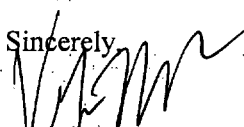
- Update company address and storage and disposal language.

**General Comments:**

Based on a review of the submitted materials your application for Barquat Molluscicide 50 Reg #. 6836-214, as listed, is acceptable. A copy has been placed in our records for future reference.

Should you have any questions or comments concerning this letter, please contact Velma Noble PM Team 31 at (703) 308-6233 or Jamil Mixon at (703) 308-8032.

Sincerely,

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

## CONCURRENCES

SYMBOL							
SURNAME							
DATE							

<b>EPA</b> Environmental Protection Agency Washington, DC 20460	d States <input type="checkbox"/> Registered <input type="checkbox"/> Amendment <input checked="" type="checkbox"/> Other	OPP Identifier Number

## Application for Pesticide - Section 1

1. Company/Product Number <b>6836-214</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 Molluscicide 50</b>	PM# <b>31</b>	
5. Name and Address of Applicant (Include ZIP Code) <b>Lonza Inc. 90 Boroline Road Allendale, NJ 07401</b>	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	
<input type="checkbox"/> Check if this is a new address		

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

**\*Not Subject to PRIA\*****Label Notification to update company address and Storage and Disposal language per PR Notice 2007-4.**

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: 5-17-10

## Section - III

1. Material This Product Will Be Packaged In:			
Child-Resistant Packaging <input type="checkbox"/> Yes* <input checked="" type="checkbox"/> No <b>*Certification must be submitted</b>	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If "Yes" Unit Packaging wgt.      No. per container	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If "Yes" Package wgt.      No. per container	2. Type of Container <input checked="" type="checkbox"/> Metal <input checked="" type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify)
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input checked="" type="checkbox"/> Container	4. Size(s) Retail Container 1 oz. to bulk		5. Location of Label Directions <input checked="" type="checkbox"/> On Label <input checked="" type="checkbox"/> On labeling accompanying product
6. Manner in Which Label is Affixed to Product <input checked="" type="checkbox"/> Lithograph <input type="checkbox"/> Other _____ <input checked="" type="checkbox"/> Paper glued <input checked="" 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>
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 <u>Joanna Holcombe</u>	3. Title <b>Sr. Commercial Regulatory Services Associate</b>	
4. Typed Name <b>Joanna Holcombe</b>	5. Date <b>May 17, 2010</b>	



Via FedEx

Ms. Velma Noble, PM-31  
Document Processing Desk (PRN)  
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  
May 17, 2010

**SUBJECT: Barquat Molluscicide, EPA Reg. No. 6836-214  
Application for Label Notification**

Dear Ms. Noble:

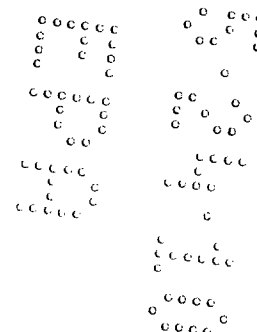
I am submitting an application to update the company address and storage and disposal language per PR Notice 2007-4. Please find the enclosed documents in support of this notification:

- 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



# BARQUAT MOLLUSCICIDE 50

For the Control of Mollusks and Algae, Bacterial and Fungal slimes in Once-Through and Closed-Cycle Fresh and Sea Water Cooling Systems, as a Slimicide for Pulp and Paper Mills

**Active Ingredient:**

Alkyl (C <sub>14</sub> , 50%; C <sub>12</sub> , 40%; C <sub>16</sub> , 10%) dimethyl benzyl ammonium chloride.....	50.0%
<b>Other Ingredients:</b> .....	50.0%
<b>Total</b> .....	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, preferable by mouth-to-mouth if possible. Call a poison control center or doctor for 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.

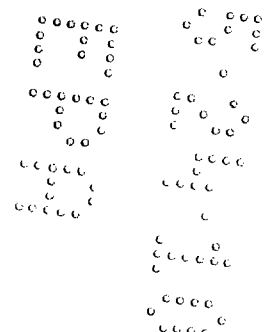
See Side Panel For Additional Precautionary Statements

FOR HELP IN A CHEMICAL EMERGENCY CALL  
CHEMTREC 800-424-9300

BEFORE USING CONSULT MATERIAL SAFETY DATA SHEET

EPA Registration No. 6836-214  
EPA Establishment No. (insert EPA Establishment No. here)  
Net Contents \_\_\_\_\_

Manufactured by:  
LONZA INC.  
90 Boroline Road  
Allendale, New Jersey 07401



**PRECAUTIONARY STATEMENTS**  
**HAZARDS 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 chemical goggles, protective clothing, and rubber gloves. 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, or using tobacco. Remove contaminated clothing and wash before reuse.

**ENVIRONMENTAL HAZARDS**

This product 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.

**PHYSICAL OR CHEMICAL HAZARDS**

Do not use or store near heat or open flame.

*(Note to reviewer: For Nonrefillable Containers, Ready to 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)

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, Ready to 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.

**Pesticide Disposal:**

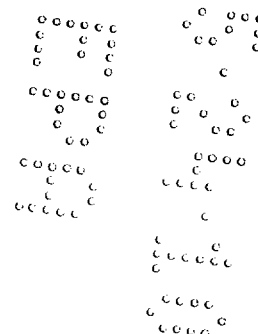
Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**Container Disposal:**

Nonrefillable container. Do not reuse or refill this container.

**(Plastic Containers:)** Triple rinse (or equivalent). 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 Containers:)** Triple rinse (or equivalent). Offer for recycling if available or puncture and dispose of in sanitary landfill or by other procedures approved by state and local authorities. DO NOT cut or weld metal containers.



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## DIRECTIONS FOR USE

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

### BARQUAT MOLLUSCICIDE 50 IS INTENDED FOR INDUSTRIAL USE ONLY

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

When used as directed, BARQUAT MOLLUSCICIDE 50 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 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 MOLLUSCICIDE 50 at an initial dosage of 0.2-0.4 gallons per 5,000 gallons of system water (20-40 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 0.2-0.8 quarts of BARQUAT MOLLUSCICIDE 50 per 5,000 gallons of system water (5-20 ppm) weekly or as needed to maintain control. Apply BARQUAT MOLLUSCICIDE 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 macrofouling growth such as clams, barnacles, and mussels, add 0.3-2.6 fluid ounces of BARQUAT MOLLUSCICIDE 50 per 1,000 gallons of system water (1-10 ppm). Repeat as necessary to achieve control.

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

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.

Heavily contaminated systems must be precleaned

#### PAPER MANUFACTURING (FOR CONTROL OF BACTERIAL, FUNGI AND ALGAE)

BARQUAT MOLLUSCICIDE 50 can be used as a slimicide in the manufacture of paper and paperboard that contacts food. Apply 0.05-10 gallons of BARQUAT MOLLUSCICIDE 50 per ton of paper produced. Alternatively, apply 0.1-20 gallons of BARQUAT MOLLUSCICIDE 50 per 100,000 gallons of white water to be treated (0.5-100 ppm). Additions of BARQUAT MOLLUSCICIDE 50 should be made at a point in the system where mixing action is good.

#### ONCE-THROUGH COOLING WATER SYSTEMS

Wear safety glasses, rubber gloves and impervious apron. Add product directly from drum or add the product at a point where it will be mixed uniformly. Do not discharge without performing proper deactivation. To perform deactivation use Bentonite Clay. The minimum ratio to be used is 5 ppm of clay to 1 ppm of product. Do not use more than 4 times a year. Treatment time can not exceed 120 hours/application. Avoid oxidizers and reducing agents. Product is cationic and should not be mixed with soap or anionic surfactants.

#### INTERMITTENT FEED

**INITIAL DOSE:** When the system is noticeably fouled, add BARQUAT MOLLUSCICIDE 50 at a dosage of 0.3-2.6 fluid ounces per 1,000 gallons of water (1-10 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 MOLLUSCICIDE 50 at a dosage of 0.15-1.3 fluid ounces per 1,000 gallons of water (0.5-5 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.

#### CONTINUOUS FEED

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

Heavily contaminated systems must be precleaned.