

6836-214

1/20/2011

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## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Ms. Joanna Holcombe  
Lonza Inc.  
90 Boroline Road  
Allendale, NJ 07401

JAN 20 2011

SUBJECT: Barquat Molluscicide 50  
EPA Registration Number: 6836-214  
Application Date: September 20, 2010  
Receipt Date: September 22, 2010

Dear Ms. Joanna Holcombe:

The following amendment, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), section 3(C)(7)(A) is acceptable with the conditions below.

1) Revise the Precautionary Statements to be in agreement with the Label Review Manual as follows. Revise to include: "...Wash thoroughly with soap and water after handling and before eating, drinking, *using tobacco or using the toilet*. Remove contaminated..."

2) Revise the label to provide clarity by deleting the word "only" from the statement: "Barquat Molluscicide 50 is intended for Industrial Use".

3) As per PR Notice 2000-5, mandatory statements are required in the directions for use section of the label. As such make the following corrections:

- For Control of Mollusca, Bacteria, Fungi and Algae: "...Product addition *is to be made...*" and "...Product *is fed* continuously..."
- Paper Manufacturing: "...Barquat Molluscicide 50 *are* made at a point..."
- Once-Through Cooling Water Systems: "...Product is cationic and *is not to be* mixed with soap or anionic surfactants."

### Data Matrix

The product specific data matrix has been corrected to include the following MRID: 45756101. Make the same correction to the matrix in your files.

**CONCURRENCES**

SYMBOL	7510P						
SURNAME	9.7.11						
DATE	1/20/11						

**General Comments**

Submit and/or cite all data required for registration/reregistration of your product under FIFRA section 3 (c) (5) and section 4 (a) when the Agency requires all registrants of similar products to submit such data.

If the above conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6 (e). Your release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions. A stamped copy of the accepted labeling is enclosed. Submit one (1) copy of your final printed labeling before distributing or selling the product bearing the revised labeling. Should you have any questions concerning this letter, please contact Tracy Lantz at (703) 308-6415.

Sincerely,



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

7510P:T.Lantz:1/20/11:6836-214 amendment

**CONCURRENCES**

SYMBOL								
SURNAME								
DATE								

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# 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%  
Other Ingredients: .....50.0%  
Total .....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 \_\_\_\_\_

**ACCEPTED**  
**with COMMENTS**  
**in EPA Letter Dated:**

**JAN 20 2011**

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act as  
amended, for the pesticide,  
registered under EPA Reg. No. 6836-214

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.

A collection of 15 small, stylized line drawings of various birds, including sparrows, finches, and songbirds, arranged in a grid-like fashion. The drawings are simple, using only outlines and minimal shading to represent the birds' forms and features like beaks and wings.

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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.

### WATER SOLUTIONS TO PREPARE FIBER GLASS SIZING

BARQUAT MOLLUSCICIDE 50 can be used as a biocide for control of bacteria and fungi in the water solutions that are used to prepare fiber glass sizing. Add 0.1 to 1 gallon of BARQUAT MOLLUSCICIDE 50 per 1000 gallons of water that is to be used to prepare a fiber glass sizing solution in order to provide 50 to 500 ppm of active quaternary amine.

*(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.