

6836-214

11/14/2003

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

NOV 14 2003

Mr. Robert Sloan
Lonza Inc.
17-17 Route 208
Fair Lawn, NJ 07410

Subject: Barquat Molluscicide 50
EPA Registration No. 6836-214
Amendment Date: August 18, 2003
EPA Receipt Date: August 19, 2003

Dear Mr. Sloan,

The following amendment submitted in connection with registration under FIFRA, as amended, is acceptable with the conditions listed below.

- Update First Aid Statements per PR Notice 2001-1

Conditions

Revise the label as follows:

1. Revise the "Precautionary Statements" to read:

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.

2. Revise the "First Aid" statements by adding "**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."
3. Under "macrofouling control in recirculating auxiliary cooling water and waste water systems" and "once through cooling water systems" add the statement, "Heavily contaminated systems must be precleaned."

CONCURRENCES

SYMBOL								
SURNAME								
DATE								

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

General Comments

A stamped copy of the labeling accepted with conditions is enclosed. Submit three (3) copies of your final printed label before distributing or selling the product bearing the revised labeling.

If you have any questions regarding this letter, please contact Jacqueline McFarlane at (703) 308-6416.

Sincerely,



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

4.

CONCURRENCES							
SYMBOL							
SURNAME							
DATE							

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

DANGER: Corrosive. Causes severe eye and skin damage. Harmful or fatal if swallowed. Do not get in eyes, on skin, or on clothing. Wear goggles or face shield and rubber gloves when handling. Wash thoroughly with soap and water after handling. Avoid contamination of food.

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.

(If container size is 1 gallon or less, the following storage and disposal statements will be used:)

STORAGE AND DISPOSAL

Store in original container in areas inaccessible to children. Do not reuse empty container. Wrap container and put in trash.

(If container size is greater than gallon, the following storage and disposal statements will be used:)

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE

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

(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.

ACCEPTED
with COMMENTS
in EPA Letter Dated:

NOV 14 2003

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

3 8 4
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 and as a Slimicide for Pulp and Paper Mills

Active Ingredient:

Alkyl (C₁₄, 50%; C₁₂, 40%; C₁₆, 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.

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.
17-17 Route 208
Fair Lawn, New Jersey 07410

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 colonized 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 wastewater 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.

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.

4 8 4 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. To minimum ratio to be used in 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.