

6836-235

11/17/2003

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

NOV 17 2003

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

Subject: Bardac 42Z-50
EPA Registration No. 6836-235
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 state:

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.

2. Under "FIRST AID," add the statement, "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. Revise the "once through intermittent and continuous feed" directions by separating the deactivation instructions from the initial and subsequent dose directions:

CONCURRENCES							
SYMBOL							
SURNAME							
DATE							

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Deactivation: Use bentonite clay at a minimum ration of 5 ppm clay to 1 ppm product. Deactivation must occur prior to discharge from the system.

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)

CONCURRENCES

SYMBOL								
SURNAME								
DATE								

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

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

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.

(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.

(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.

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

NOV 17 2003

Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide,
registered under EPA Reg. No. **6836-235**

BARQUAT 42Z-50

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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 Chloride25.0%
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.

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 _____

LONZA, Inc.
17-17 Route 208
Fair Lawn, NJ 07410

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, recirculating 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. Deactivation must be conducted prior to discharge from the system, by using bentonite clay, at a minimum ratio of 5ppm clay to 1ppm product.

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 must be conducted prior to discharge from the system by using bentonite clay at a minimum ratio of 5 ppm clay to 1 ppm product.

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. Deactivation must be conducted prior to discharge from the system by using bentonite clay at a minimum ratio of 5 ppm clay to 1ppm product.

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 must be conducted prior to discharge from the system by using bentonite clay at a minimum ratio of 5 ppm clay to 1 ppm product.

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.