

6836-60

1/6



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF PREVENTION, PESTICIDES AND TOXIC SUBSTANCES

SEP 28 2009

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

Subject: Lonza Low Foam Water Treatment Microbiocide
EPA Registration No.: 6836-60
Amendment Date: June 26, 2009
EPA Receipt Date: June 30, 2009

Dear Ms. Holcombe,

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

Proposed Amendment

- Update company address and Storage/Disposal language
- Add barcode, country of origin, and optional marketing language

Conditions

Revise label as follows:

- 1.) Revise the first statement in the "Environmental Hazards" section on page 2 to be in agreement with the DDAC RED by adding the phrase, "... and aquatic invertebrates."
- 2.) The Container Rule rescinded PR Notice 83-3 and 84-1 Part II in which Container Disposal statements are no longer separated by container size but by use pattern. Therefore, delete the "Storage and Disposal" statements for containers one gallon or less with uses other than household/residential on page 4.
- 3.) Revise the "Container Disposal" Statements on page 4 to read as follows:

(5 gallons or less)

Nonrefillable Container Do not refill or reuse container. Triple rinse as follows: Empty remaining contents into application equipment of a fill tank. Drain for 10 seconds after flow

CONCURRENCES

SYMBOL							
SURNAME							
DATE							

begins to drip. Fill container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat procedure two more times. Then offer for recycling or reconditioning. If not available, puncture and dispose in a sanitary landfill.

(5 gallons or more)

Nonrefillable Container. Do not refill or reuse container. Triple rinse as follows: Empty remaining contents into application equipment or a mix tank. Fill container 1/4 full with water. Tip container on its side and roll it back and forth, ensuring at least one complete revolution for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into the application equipment or mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling or reconditioning. If not available, puncture and dispose in a sanitary landfill.

General Comments

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

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

Sincerely,



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

Enclosure: Stamped Label

CONCURRENCES							
SYMBOL							
SURNAME							
DATE							

LONZA LOW FOAM WATER TREATMENT MICROBIOCIDE

Twin-Chain Quaternary
Ammonium Compound Concentrate
Low Foam Water Treatment Microbiocide
For Building and Industrial Cooling Water Systems [and] [Decorative Fountains]

Active Ingredients

Diocetyl dimethyl ammonium chloride..... 50%

Other Ingredients..... 50%
100%

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. Measures against circulatory shock, respiratory depression and convulsion may be needed.

SEE PANELS FOR ADDITIONAL PRECAUTIONARY STATEMENTS

ACCEPTED
with COMMENTS
in EPA Letter Dated:

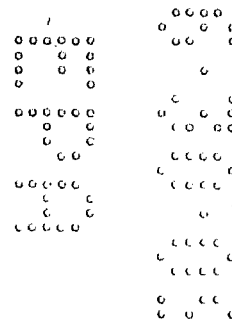
SEP 28 2009

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

6836-60

EPA Registration No. 6836-60
EPA Establishment No.
Net Contents: (as indicated on container)
[Country of origin (insert country)]
[Manufactured in (insert country)]
[Barcode]

Manufactured by:
Lonza Inc.
90 Boroline Road
Allendale, NJ 07401



**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 or inhaled. Do not breathe vapor. Wear a dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C) or a NIOSH approved respirator with any N, R, P or HE filter. Harmful if absorbed through the skin. 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 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.

PHYSICAL HAZARDS

DO NOT USE, POUR, SPILL OR STORE NEAR HEAT OR OPEN FLAME.

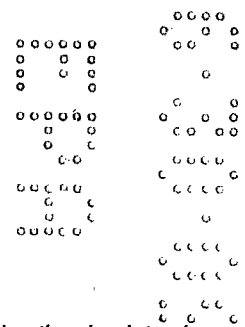
(Note to reviewer: The following is considered optional marketing language:)

The presence of foam in [recirculating cooling towers] [building and industrial cooling water systems] [and] [decorative fountains] impairs the [performance] [and] [aesthetics] of the unit. Loss of heat transfer and pressure fluctuations are two of the problems encountered when foam is present in the recirculating water system.

One of the possible causative agents is the microbiocide added to control algae and [algae slimes] [microbial slimes] [bacterial slimes]. LONZA LOW FOAM WATER TREATMENT MICROBIOCIDE, by design, is a low foaming microbiocide. When used as directed, LONZA LOW FOAM WATER TREATMENT MICROBIOCIDE will control algae and [algae slimes] [microbial slimes] [bacterial slimes] found in [recirculating cooling tower waters] [building and industrial cooling water systems] [and] [decorative fountains] and not introduce a foam problem.

LONZA LOW FOAM WATER TREATMENT MICROBIOCIDE helps clean and loosen slime debris from [cooling system] [and] [decorative fountain] surfaces. When used in slug dose, no other microbiocide is required.

LONZA LOW FOAM WATER TREATMENT MICROBIOCIDE is economical to use because it is concentrated. It should be handled with care.



DIRECTIONS FOR USE

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

When used as directed, LONZA LOW FOAM WATER TREATMENT MICROBIOCIDE helps to control algae and [algae slimes] [microbial slimes] [bacterial slimes] in [industrial recirculating cooling water systems] [and] [decorative fountains]. Product addition must 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.

[RECIRCULATING COOLING TOWERS] [BUILDING AND INDUSTRIAL COOLING WATER SYSTEMS]

Initial Dose: Add 16 oz. per 1,000 gallons of water (60 ppm active).

Should the above dosage not give satisfactory results, use 21 fluid ounces per 1,000 gallons of water. Repeat the initial dose every seven days or increase the frequency if needed.

Heavily [contaminated] [fouled] systems must be precleaned.

Maintenance Dose: Once control is achieved, add 6 to 9 oz. per 1,000 gallons of water weekly or as needed to maintain control. Cooling water systems that are inherently low in [algae] [microbial] growth may be adequately controlled by the lower range of these dosages. Slug feed every seven days.

The product must be added at a point in the system where it will be uniformly mixed and distributed such as the [sump of the system] [tower sump].

FOR [ONLY] ALGAECIDAL CONTROL IN [RECIRCULATING COOLING TOWERS] [BUILDING AND INDUSTRIAL COOLING WATER SYSTEMS] AND DECORATIVE FOUNTAINS"

When used as directed, LONZA LOW FOAM WATER TREATMENT MICROBIOCIDE helps to control algae in [industrial recirculating cooling water systems] [building and industrial cooling water systems] [and] [decorative fountains]. Product addition must be made with a metering pump and may be fed continuously or on an intermittent basis depending on the degree of system fouling and retention time. Product must be added at a point in the system where it will be uniformly mixed and distributed throughout the system.

Initial Dose: Add 1.3 to 16 oz. per 1,000 gallons of water (5 to 60 ppm active). Repeat the initial dose every seven days or increase the frequency if needed. Heavily [contaminated] [fouled] systems must be precleaned.

Maintenance Dose: Once control is achieved, add 1.3 to 5.3 oz. per 1,000 gallons of water (5 to 20 ppm active) weekly, or as needed to maintain control.

DECORATIVE FOUNTAINS

When used as directed, LONZA LOW FOAM WATER TREATMENT MICROBIOCIDE controls algae and [algal slimes] [microbial slimes] [bacterial slimes] in decorative fountains. For maximum effectiveness, fountains containing heavy algae growth should be cleaned prior to using LONZA LOW FOAM WATER TREATMENT MICROBIOCIDE. The product must be added at a point in the system where it will be uniformly mixed and distributed throughout the fountain.

Initial Dose: Fountains having visible algae growth require an initial dose of 16 oz. per 1,000 gallons of water (60 ppm active). Should the above dosage not give satisfactory results, use 21 fluid ounces

per 1,000 gallons of water. Repeat the initial dose every seven days or increase the frequency if needed.

Maintenance Dose: Once control is achieved, add 6 to 9 oz. per 1,000 gallons of water weekly or as needed to maintain control.

(Note to reviewer: For Nonrefillable Containers, Container is one gallon or less, Label has any uses other than Household or Residential)

STORAGE AND DISPOSAL

Store in original container in areas inaccessible to children.

Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying. Triple rinse as follows: Fill container ¼ full with water and reclose the container. Agitate vigorously and dispose of rinsate. Repeat two more times. Wrap [container] and put in trash or offer for recycling if available.

(or)

Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying. Triple rinse as follows: Fill container ¼ full with water and reclose the container. Agitate vigorously and dispose of rinsate. Repeat two more times. Wrap [container] and put in trash or offer for reconditioning if appropriate.

(Note to reviewer: For Nonrefillable Containers, Container is over one gallon)

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. Clean container promptly after emptying.

(Plastic Containers:) Triple rinse as follows: Fill container ¼ full with water and reclose the container. Agitate vigorously, and dispose of rinsate consistent with pesticide disposal instructions. Repeat two more times. Then offer for recycling if available or puncture and dispose in sanitary landfill or by other procedures approved by state and local authorities. Follow pesticide disposal instructions for rinsate. If not triple rinsed, these containers are acute hazardous wastes and must be disposed in accordance with local, state, and federal regulations.

(Metal Containers:) Triple rinse as follows: Fill container ¼ full with water and reclose the container. Agitate vigorously, and dispose of rinsate consistent with pesticide disposal instructions. Repeat two more times. Then offer for recycling if available or puncture and dispose in sanitary landfill or by other procedures approved by state and local authorities. Follow pesticide disposal instructions for rinsate. If not triple rinsed, these containers are acute hazardous wastes and must be disposed in accordance with local, state, and federal regulations. DO NOT cut or weld metal containers.

