

6836-60

11/17/2003

Page 1 of 4

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

NOV 17 2003

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

Subject: Lonza Low Foam Water Treatment Microbiocide
EPA Registration No. 6836-60
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 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. Harmful if absorbed through the skin. Wash thoroughly with soap and water after handling and before eating, drinking, and 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."

CONCURRENCES

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3. Revise the "Directions" to state:

When used as directed, Lonza Low Foam Water Treatment Microbiocide helps to control algae and bacterial slime in industrial recirculating cooling water systems. 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.

Initial Dose: Add 16 oz per 1,000 gallons of water (60 ppm active). Should the dosage not give satisfactory results, use 21 oz per 1,000 gallons of water. Repeat initial dose every seven days or increase the frequency if needed.

Heavily contaminated systems must be precleaned.

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

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

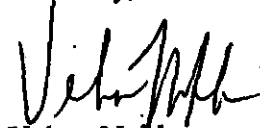
4. Delete the statement, "Dilute appropriate amount ...per gallon (at 20°C)."

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)

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374

PRECAUTIONARY STATEMENTS

HAZARDOUS TO HUMANS AND DOMESTIC ANIMALS

DANGER: Keep Out of Reach of Children. Corrosive. Causes severe 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. Avoid contamination of food

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.

(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 17 2003
Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide,
registered under EPA Reg. No. **6836-60**

**LONZA LOW FOAM
WATER TREATMENT
MICROBIOCIDE**

Twin-Chain Quaternary
Ammonium Compound Concentrate
Low Foam Water Treatment Microbiocide
For Building and Industrial Cooling Towers

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.

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

EPA Registration No. 6836-60

EPA Establishment No.

Net Weight

Volume

Manufactured by:
LONZA INC., 17-17 Route 208 Fair Lawn, NJ 07410

**FOR SALE FOR USE AND STORAGE BY
MAINTENANCE PERSONNEL ONLY**

The presence of foam in recirculating cooling towers impairs the performance 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. LONZA LOW FOAM WATER TREATMENT MICROBIOCIDE, by design, is a low foaming microbiocide. When used as directed, LONZA FOAM WATER TREATMENT MICROBIOCIDE will control algae and algae slimes found in recirculating cooling tower waters and not introduce a foam problem.

LONZA LOW FOAM WATER TREATMENT MICROBIOCIDE helps clean and loosen slime debris from cooling system 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
GENERAL CLASSIFICATION**

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

To control algae and bacterial slimes, use LONZA LOW FOAM WATER TREATMENT MICROBIOCIDE as directed. For best results, slug feed. The frequency of addition of microbiocide needed depends on many factors. To optimize your use of LONZA LOW FOAM WATER TREATMENT MICROBIOCIDE, follow this procedure:

Recirculating Cooling Towers

- 1. Initially use 16 fluid ounces per 1,000 gallons of water to be treated (60 ppm active quaternary).

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.

- 2. When the above treatment level is successful, use 6 to 9 fluid ounces per 1,000 gallons of water to maximize efficiency. Repeat weekly as needed.

Should slime develop again, return to initial dosage.

Cooling tower waters that are inherently low in algae growth may be adequately controlled by the lower range of these dosages; slug feed every seven days.

Dilute the appropriate amount of LONZA LOW FOAM WATER TREATMENT MICROBIOCIDE in 1 to 2 gallons of water, then add to the sump of the tower. Note, this product weighs 7.72 lbs. per gallon (at 20°C).

Should tower be heavily fouled, a pre-cleaning is required.

