

6836-32

11/18/2009

1 of 6

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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

NOV 18 2009

SUBJECT: Lonza Water Treatment Microbiocide  
EPA Registration Number: 6836-32  
Application Date: August 17, 2009  
Receipt Date: August 21, 2009

Dear Ms. Joanna Holcombe:

The following amendment, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable subject to the conditions listed below:

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

2) Add the following to the Environmental Hazards statement such that this section will reflect the environmental concerns associated with this active ingredient: "This pesticide is toxic to fish *and aquatic invertebrates*. Do not discharge..."

3) Revise the Storage and Disposal directions as follows. Your product does not include public health claims and thus must include language which is in agreement with PR Notice 2007-4.

a) Delete the entire section for containers of one gallon or less. These statements are not appropriate for this product.

b) Delete the following statement from the Pesticide Storage section as this statement does not belong in this section: "Open dumping is prohibited."

c) Retain the following two statements in the Container Disposal section: "Nonrefillable container. Do not reuse or refill this container. Clean container promptly."

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d) Delete all other text from the Container Disposal section. Replace with the following language which will bring this section into agreement with PR Notice 2007-4:

“Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. 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 application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose in a sanitary landfill, or by other procedures approved by state and local authorities. If rinsate cannot be used, follow pesticide disposal instructions. 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.”

**General Comments**

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)

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# LONZA WATER TREATMENT MICROBIOCIDE

Twin-Chain Quaternary  
Ammonium Compound Concentrate  
Water Treatment Microbiocide  
For Building and Industrial  
Cooling Towers and Oil Field Water  
Flood or Salt Water Disposal Systems

Active Ingredient

Didecyl dimethyl ammonium chloride ..... 50%  
Other Ingredients ..... 50%  
Total: ..... 100%

**ACCEPTED  
with COMMENTS  
in EPA Letter Dated:  
NOV 18 2009**

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
amended, for the pesticide  
registered under EPA

6836-32

**KEEP OUT OF REACH OF CHILDREN**

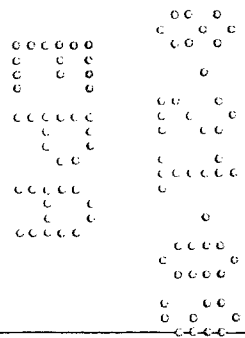
## DANGER

See (left) (right) (back) (side) panel for Precautionary Statements and First Aid

EPA Registration No. 6836-32  
EPA Establishment No. 6836-IL-1  
Net Weight 425 lbs.  
Volume 55 gals.  
[Country of origin (insert country)]  
[Manufactured in (insert country)]  
[Barcode]

Manufactured by:  
LONZA INC.  
90 Boroline Road, Allendale, NJ 07401

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



**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 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 # 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 clothing before reuse.

**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.

**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.

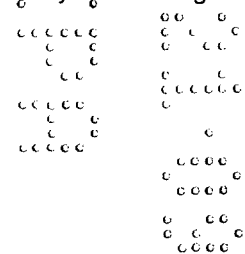
**LONZA WATER TREATMENT MICROBIOCIDE** will control algae and bacterial slimes found in re-circulating cooling tower waters and oil field water flood. **LONZA WATER TREATMENT MICROBIOCIDE** helps clean and loosen slime debris from cooling and flooding system surfaces. When used in slug doses, no other microbiocide is required.

**LONZA 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 WATER TREATMENT MICROBIOCIDE** helps to control algae and bacterial slime in industrial recirculating cooling tower systems. Product addition must be made with a metering pump. Product may be added continuously or on an intermittent basis depending on the degree of system fouling and retention time.



### Recirculating Cooling Towers

**Initial Dose:** Add 6 oz per 1,000 gallons of water (20 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 2-3 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.

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

### Oil Field Water Flood or Salt Water Disposal Systems: (Do not apply in Marine or Estuarine Oil Fields!)

For the control of slime forming and sulfate reducing bacteria in oil field water flood or salt water disposal systems, add 5-10 ppm (active) **LONZA WATER TREATMENT MICROBIOCIDE** (1 1/2 - 3 gallons per 3000 barrels of water) continuously. Levels for effective control will vary depending on conditions at the site.

Product addition must be made with a metering pump. This product must be applied where it will dispense most rapidly and uniformly to the desired area of treatment. Product must be slug fed then fed continuously or on an intermittent basis depending on the degree of system fouling.

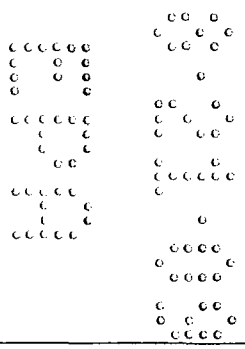
Heavily fouled system must be precleaned

**Slug:** Apply 1 1/2 - 6 gallons per 3000 barrels (5-20 ppm ai) of water for 4-8 hours per day until desired level of control is achieved. To maintain the system in an acceptable manner, utilize a continuous treatment with the microbiocide or apply intermittent doses.

**Intermittent Feed:** The frequency of intermittent doses will vary with individual systems. Apply 1 1/2 - 6 gallons per 3000 barrels (5-20 ppm ai) of water for 4-8 hours per day, one to four times a week as needed to maintain control.

**Continuous Feed:** Fouled systems must be slug treated to get initial control, followed by continuous treatment to maintain control. Apply 1 1/2 - 3 gallons per 3000 barrels of water (5-10 ppm ai) continuously.

This product weighs 7.73 lbs./gallon (at 20°C).



~~(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 1/4 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 1/4 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 1/4 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 1/4 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.~~

