

6836-192

9/8/2010

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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



Office of Pesticide Programs

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

SEP - 8 2010

**Subject:** Lonza Water Treatment Microbiocide 10  
**Registration No.:** 6836-192  
**Notification Date:** August 6, 2010  
**Date Received:** August 9, 2010  
**Submission #:** 860401

Dear Ms. Holcombe,

The following notification, submitted in connection with registration under Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), PR Notice 2007-4 is acceptable as listed below:

**Proposed Notification:**

- Update the Storage and Disposal language per PR Notice 2007-4

Should you have any questions or comments concerning this letter, please contact Velma Noble PM Team 31 at (703) 308-6233 or Jamil Mixon at (703) 308-8032.

Sincerely,

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

CONCURRENCES							
SYMBOL							
SURNAME							
DATE							



United States  
Environmental Protection Agency  
Washington, DC 20460

- Registration
- Amendment
- Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number <b>6836-192</b>	2. EPA Product Manager <b>Velma Noble</b>	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) <b>Lonza Water Treatment Microbiocide 10</b>	PM# <b>31</b>	
5. Name and Address of Applicant (Include ZIP Code) <b>Lonza Inc. 90 Boroline Road Allendale, NJ 07401</b>	6. Expedited Review. In accordance with FIFRA Section 3(c)(3)(b)(I), my product is similar or identical in composition and labeling to:  EPA Reg. No. Product Name	
<input type="checkbox"/> Check if this is a new address		

Section - II

- Amendment - Explain below.
- Resubmission in response to Agency letter dated \_\_\_\_\_
- Notification - Explain below.
- Final printed labels in response to Agency letter dated \_\_\_\_\_
- "Me Too" Application
- Other - Explain below

Explanation: Use additional page(s) if necessary. (For Section I and Section II.)

**\*Not Subject to PRIA\***

**Label Notification to update Storage and Disposal language per PR Notice 2007-4.**

This notification is consistent with the provisions of PR-Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

Signature: Joanna Holcombe Date: 8/6/10

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes* <input checked="" type="checkbox"/> No <b>*Certification must be submitted</b>	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input checked="" type="checkbox"/> Metal	<input checked="" type="checkbox"/> Plastic
	If "Yes" Unit Packaging wgt.	No. per container	If "Yes" Package wgt.	No. per container	<input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify)
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input checked="" type="checkbox"/> Container		4. Size(s) Retail Container <b>1 oz. to bulk</b>		5. Location of Label Directions <input checked="" type="checkbox"/> On Label <input checked="" type="checkbox"/> On labeling accompanying product	
6. Manner in Which Label is Affixed to Product			<input checked="" type="checkbox"/> Lithograph <input type="checkbox"/> Other _____ <input checked="" type="checkbox"/> Paper glued <input checked="" type="checkbox"/> Stenciled		

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application)

Name <b>Joanna Holcombe</b>	Title <b>Sr. Commercial Regulatory Services Associate</b>	Telephone No. (Include Area Code) <b>201-316-9297</b>
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Certification

I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

Signature <u>Joanna Holcombe</u>	3. Title <b>Sr. Commercial Regulatory Services Associate</b>	6. Date Application Received  (Stamped)
4. Typed Name <b>Joanna Holcombe</b>	5. Date <b>August 6, 2010</b>	



Via FedEx

Ms. Velma Noble, PM-31  
Document Processing Desk (PRN)  
Office of Pesticide Programs (7504P)  
US Environmental Protection Agency  
Room S-4900, One Potomac Yard  
2227 S. Crystal Drive  
Arlington, VA 22202

Lonza Inc  
Allendale  
90 Boroline Road  
Allendale, NJ 07401, USA

Joanna Holcombe  
Lonza Life Science Ingredients  
Commercial Regulatory Services

Tel 201-316-9297  
Fax 201-696-3470  
joanna.holcombe@lonza.com

Joanna Holcombe  
August 6, 2010

**SUBJECT: Lonza Water Treatment Microbiocide 10, EPA Reg. No. 6836-192  
Application for Label Notification**

Dear Ms. Noble:

I am submitting an application to update the storage and disposal language per PR Notice 2007-4. Please find the enclosed documents in support of this notification:

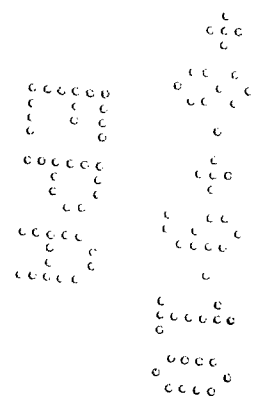
- Application for Notification;
- One copy of the proposed label with changes highlighted; and
- Two copies of the proposed label

If you have any questions or need any additional information, please feel free to contact me at 201-316-9297.

Sincerely,  
Lonza Inc.

*Joanna Holcombe*  
8/6/10

Joanna Holcombe  
Sr. Commercial Regulatory Services Associate



# LONZA WATER TREATMENT MICROBIOCIDE 10

## MICROBIOCIDE-ALGICIDE

Controls algae slime growth on re-circulating water cooling towers and evaporative condensers.

Controls anaerobic sulfate-reducers and aerobic heterotrophic bacteria in oil field and petrochemical water injection systems.

**ACTIVE INGREDIENT:**

Alkyl (C<sub>14</sub>, 58%; C<sub>16</sub>, 28%; C<sub>12</sub>, 14%)

dimethyl benzyl ammonium chloride..... 10%

**OTHER INGREDIENTS:** ..... 90%

**TOTAL INGREDIENTS:** ..... 100%

**KEEP OUT OF REACH OF CHILDREN**

# DANGER

*SEE ADDITIONAL PRECAUTIONS ON SIDE PANEL*

**NOT FOR USE OR STORAGE AROUND THE HOME ENVIRONMENT**

**FOR COMMERCIAL AND INDUSTRIAL USE ONLY**

EPA Registration No. 6836-192

EPA Establishment No.

Net Contents

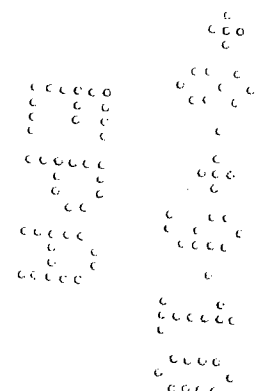
[Country of origin (insert country)]

[Manufactured in (insert country)]

[Barcode]

*Manufactured By:*

Lonza Inc.  
90 Boroline Road  
Allendale, NJ 07401



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

**DANGER:** Corrosive. Causes irreversible eye damage. Do not get in eyes, skin or on clothing. May be fatal if swallowed. Harmful if absorbed through skin. Wear protective eyewear (goggles, face shield, or safety glasses), protective clothing and protective gloves (chemical resistant or rubber). Wash thoroughly with soap and water after handling and before eating, drinking or using tobacco. Remove contaminated clothing and wash clothing before reuse.

**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.

**FIRST AID**

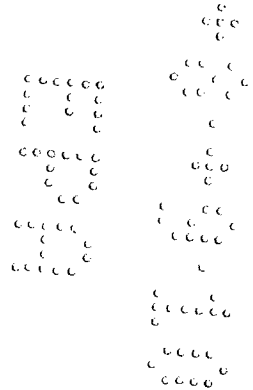
**IF IN EYES:** Hold eye open and rinse slowly and gently with water for 15 – 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.

**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 as well as oxygen and measures to support breathing manually or mechanically may be needed. If persistent, convulsions may be controlled by cautious intravenous injection of a short-acting barbiturate drug.



**Lonza WTM 10** is used to control the growth of green algae (Chlorella, Scenedesmus), blue-green algae (Phormidium, Anabaena), anaerobic sulfate-reducing bacteria (Desulfovibrio) and aerobic heterotrophic bacteria (Bacillus sp., Pseudomonas sp.) in re-circulating water cooling systems, evaporative condensers and in subsurface injection systems, such as subsurface injection systems, such as secondary and tertiary oil recovery systems.

**DIRECTIONS FOR USE-GENERAL CLASSIFICATION**

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

**LONZA WTM 10** may be metered, pumped, gravity fed or poured from a suitable container into the treatment system. Centrifugal, injection, piston or diaphragm pumps are satisfactory. Algicide feed pumps, meters and feed lines may be stainless steel, neoprene, glass, plastic or unpigmented fiberglass.

**RE-CIRCULATING WATER COOLING TOWERS**

**INITIAL TREATMENTS:** To a visually clean system or when algae or slime is first visible, to sump water near pumpsuction, add 50 to 100 ounces of **LONZA WTM 10** for each 1,000 gallons of water (390 to 780 ppm) in the system. Repeat initial dose at day intervals until algae and slime control is evident. Badly fouled systems should be cleaned before initiating treatment.

**MAINTENANCE TREATMENTS:** The frequency at which additional dosages must be added to control slime and algal growth can only be determined by experience, since each system will vary in water composition and in amounts and types of microorganisms present. A treatment of this algicide once or twice a month or when algae or slime first appears is usually sufficient to control growth of green algae in cooling towers. To control slime bacteria, a dose may be necessary once a week or once every two weeks. Use 38 to 77 oz. per 1,000 gallons of water (300-600 ppm) for subsequent dosages.

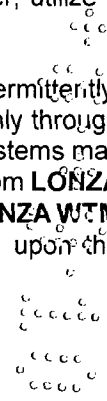
**FEEDING:** **LONZA WTM 10** may be fed directly from the drum or diluted with water and fed by a suitable feed system. Dose directly into the sump or any other convenient location providing good distribution of treatment.

**OIL FIELD AND PETROCHEMICAL SUBSURFACE INJECTION SYSTEMS**

Biological requirements vary from site to site. Areas frequently requiring control are raw water sources, mixing tanks, screens and the formation itself. The primary treatment location will vary from site to site depending on the site problems, water flood treatment methods and equipment. The microbiocide should be applied where it will disperse most rapidly and uniformly to the desired area of treatment. This may be at screens, filters, pumps, mixing tanks, storage tanks, to pre-filter water, to the water as it is pumped to the formation or it may be pumped directly to the formation.

**SLUG DOSES:** An effective treatment for aerobic heterotrophic bacteria is 200-800 ppm **LONZA WTM 10** (26 to 103 ounces per 1,000 gallons). A slug dose for anaerobic sulfate-reducers is 60-230 ppm of this Algicide (8 to 30 ounces per 1,000 gallons). The appropriate slug dose should be applied for 3 to 8 hours daily until the desired level of control is achieved. To maintain the system in an acceptable manner, utilize a continuous treatment with the algicide or apply intermittent doses.

**INTERMITTENT DOSES:** To prevent a clean system from fouling, slug doses may be applied intermittently. The frequency of intermittent doses will vary with individual systems and can be established only through experience. Intermittent doses may be required 2 to 3 times a week in some systems. Other systems may require dosing once a week or once every two weeks. For heterotrophic bacteria, use 200-800 ppm **LONZA WTM 10** (26-103 ounces per 1,000 gallons). For anaerobic sulfate reducers, use 60-230 ppm **LONZA WTM 10** (8 to 30 ounces per 1,000 gallons). Maintain these doses for 2 to 8 hours, depending upon the requirements of your system.



**CONTINUOUS TREATMENT:** Fouled systems should be slug treated to get initial control, followed by continuous treatment to maintain control. Use 60 to 200 ppm **LONZA WTM 10** (8 to 26 ounces per 1,000 gallons). The lower dose concentration is usually satisfactory for Desulfovibrio. Higher doses may be needed for the aerobic heterotrophic bacteria.

**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. 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.

*(Note to reviewer: This Container Statement will be used only for containers 5 gallons or less:)*

**Container Disposal:**

Nonrefillable container. Do not reuse or refill this container.

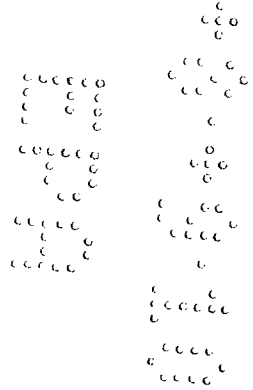
**(Plastic and Metal Containers:)** Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling or reconditioning. If not available, puncture and dispose in sanitary landfill.

*(Note to reviewer: This Container Statement will be used for containers over 5 gallons:)*

**Container Disposal:**

Nonrefillable container. Do not reuse or refill this container.

**(Plastic and Metal Containers:)** 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 or reconditioning. If not available, puncture and dispose in sanitary landfill.



(Note to reviewer: For Refillable Containers. Chapter 13, Table 6 of the Label Review Manual states that for "All products in containers that could be burned," the registrant has the option to "Remain silent on burning," therefore, no incineration language is provided for plastic containers.)

**STORAGE AND DISPOSAL**

Do not contaminate water, food or feed by storage or disposal. Refillable container: Refill this container with pesticide only. Do not reuse this container for any other purpose.

**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:**

Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before refilling is the responsibility of the refiller. Cleaning the container before final disposal is the responsibility of the person disposing of the container.

**(Plastic or Metal Containers:)** To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Then offer for recycling or reconditioning. If not available, puncture and dispose in sanitary landfill. If not triple rinsed, these containers are acute hazardous wastes and must be disposed in accordance with local, state, and federal regulations.

(For metal containers only: DO NOT cut or weld metal containers.)

