

PM 31 6836-192

10/3

Please read instructions on reverse before completing form.

Form Approved. OMB No. 2070-0060. Approval expires 2-28-95

	United States	<input type="checkbox"/> Registration	OPP Identifier Number 237519
	Environmental Protection Agency	<input type="checkbox"/> Amendment	
	Washington, DC 20460	<input checked="" type="checkbox"/> Other	

Application for Pesticide - Section I

1. Company/Product Number 6836-192	2. EPA Product Manager W. Francis	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Lonza Water Treatment Microbiocide 10	PM# 31	
5. Name and Address of Applicant (include ZIP Code) LONZA Inc. 17-17 Route 208 Fair Lawn, NJ 07410 <input type="checkbox"/> Check if this is a new address	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 _____	

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

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

NOTIFICATION: Updating label in accordance with PR Notice 83-3. I certify that this notification meets every requirement of PR Notice 95-2.

Section - III

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

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Eliot I. Harrison	Title Agent for LONZA Inc.	Telephone No. (include Area Code) (301) 652-5495
2. Signature 		6. Date Application Received (Stamped)
3. Title Agent for LONZA Inc.		
4. Typed Name Eliot I. Harrison	5. Date January 2, 1996	

Lonza Water Treatment Microbiocide 10 is recommended 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.

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

DANGER: Highly Corrosive. Causes skin and eye damage. May be fatal if swallowed. Do not get in eyes, on skin or on clothing. Wear goggles or face shield and rubber gloves when handling. Remove and wash contaminated 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.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited.

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: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

**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 petro-chemical water injection systems.

ACTIVE INGREDIENT:

Alkyl (C₁₄, 58%; C₁₆, 28%; C₁₂, 14%)

dimethyl benzyl ammonium chloride 10%

INERT INGREDIENTS:

90%

TOTAL INGREDIENTS:

100%

KEEP OUT OF REACH OF CHILDREN

DANGER

PRACTICAL TREATMENT (FIRST AID): In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. For eyes, call a physician. Remove and wash contaminated clothing before reuse.

If swallowed, drink promptly a large quantity of milk, egg whites, gelatin solution, or if these are not available, drink large quantities of water. Avoid alcohol. Call a physician immediately.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage. Measure 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.

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.

6836-GA-1

Net Contents

Manufactured By:

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

INSTRUCTIONS FOR USE - GENERAL CLASSIFICATION

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

LONZA Water Treatment Microbiocide 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 Water Treatment Microbiocide 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 Water Treatment Microbiocide 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 ON 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 Water Treatment Microbiocide 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 Water Treatment Microbiocide 10 (26-103 ounces per 1,000 gallons). For anaerobic sulfate reducers, use 60-230 ppm LONZA Water Treatment Microbiocide 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 Water Treatment Microbiocide 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.

1/2/96