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U.S. ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs  
Registration Division (H7505C)  
401 "M" St., S.W.  
Washington, D.C. 20460

EPA Reg. Number:  
6836-220

Date of Issuance:  
SEP 29 1995

NOTICE OF PESTICIDE:  
  X   Registration  
       Reregistration

(under FIFRA, as amended)

Term of Issuance:

CONDITIONAL

Name of Pesticide Product:

BARDAC CW-50

Name and Address of Registrant (include ZIP Code):

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

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) and 3(c)(7)(B) provided that you:

1. Submit and/or cite all data required for registration, reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.

2. Make the labeling changes listed below before you release the product for shipment:

- a. Add the phrase "EPA Registration No. 6836-220".
- b. Increase the type size for the Signal Word "DANGER" to 18 points or more.

Signature of Approving Official:

Marion J. Johnson, Jr.  
Product Manager 31,  
Antimicrobial Program Branch,  
Registration Division

Date:

9/29/95

- c. Increase the type size for the "Keep Out of Reach of Children" statement to 12 points or more.
- ✓ d. Include your company name and address; either at the bottom of the front panel or the end of the label text.
- e. Revise the front panel product description statements to read: "A Low Foam, Twin-Chain, Quaternary Ammonium Compound Concentrate Water Treatment Microbiocide for Control of Algae and Slime in Industrial Water Cooling Systems and Pulp/Paper Manufacturing."
- f. Include "Net Contents".
- g. Under the Statement of Practical Treatment, If in Eyes, revise "...gently..." to read "...gentle...".
- h. Under the Statement of Practical Treatment, Note to Physician, delete the sentence: "Measures against circulatory shock, respiratory depression and convulsion may be needed."
- i. Revise the first sentence on the left panel, "...recirculating cooling tower systems..." to read "...recirculating water cooling systems...".
- j. Delete the words "economical" and "concentrated" from the fourth sentence on the left panel: "Bardac CW-50 is designed to produce low foam and is economical to use because it is concentrated."
- k. Revise the statement: "Hazardous To Humans And Domestic Animals" to read "Hazards To Humans And Domestic Animals".
- l. In the left panel Precautionary Statements, replace the sentence "May be fatal if swallowed" with "Harmful or fatal if swallowed".
- m. Add the following sentences to the left panel Precautionary Statements:

"Avoid contamination of food. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse."
- n. Under Environmental Hazards, delete the sentence: "Do not apply in marine and/or estuarine oil fields."
- o. Revise the first two sentences of the Environmental Hazards Statement to read:

"This product is toxic to fish, aquatic invertebrates, and birds. Do not use in facilities discharging directly or indirectly to the estuarine or marine environment. Do not discharge..."

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- p. After the Environmental Hazards section, include the following Warning Statement as shown:

"PHYSICAL OR CHEMICAL HAZARDS: Do not use or store near heat or open flame."

- q. Under the Directions for Use, revise the header: "Re-circulating Water Cooling Systems" to read "Recirculating Water Cooling Systems".

- r. Under Recirculating Water Cooling Systems, revise the Initial Treatments section use directions to read:

"INITIAL TREATMENTS: For initial treatment apply Bardac CW-50 to a visually clean system or when algae or slime is first visible. Add 1.5 to 16 fluid ounces of Bardac CW-50 for each 1,000 gallons of water (5 to 60 ppm active) in the system to the sump water near pump suction. Repeat initial dose until algae and slime control are evident. Badly fouled systems should be cleaned before initiating treatment."

- s. Under the Directions for Use, above the subheading: "Paper Manufacturing..." add the header "PULP AND PAPER MILLS".

- t. Under the Paper Manufacturing subheading, include the following sentence, prominently displayed:

"Not for Use in the Manufacture of Food-Contact Paper or Paperboard."

3. Submit one (1) copy of the final printed labeling prior to release of the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the labeling is enclosed for your records.

Sincerely,



Marion J. Johnson, Jr.  
Product Manager (31)  
Antimicrobial Program Branch  
Registration Division (7505C)

Enclosure

Bardac CW-50 will control algae and bacterial slimes found in recirculating cooling tower systems (evaporative condensers, heat exchange water systems, commercial and industrial cooling towers, influent systems such as flow-through filters and lagoons, industrial water scrubbing systems and brewery pasteurizers) and pulp and paper mills. Bardac CW-50 helps clean and loosen slime debris from cooling and flooding system surfaces. When used in slug doses, no other microbiocide is required. Bardac CW-50 is designed to produce low foam and is economical to use because it is concentrated. It should be handled with care.

**PRECAUTIONARY STATEMENTS**

**HAZARDOUS TO HUMANS AND DOMESTIC ANIMALS**

**DANGER.** 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. May be fatal if swallowed.

**ENVIRONMENTAL HAZARDS**

This product is toxic to fish. Do not apply in marine and/or estuarine oil fields. 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.
- 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 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 incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

**Metal Container:** 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.

(If container is 1 gallon or less, use this container disposal statement.) Do not reuse empty container (bottle, can, bucket). Wrap container and put in trash.

**BARDAC CW-50**

Low Foam Twin-Chain Quaternary Ammonium Compound Concentrate Slime Control in Paper Processing Water Treatment Microbiocide for Industrial Cooling Systems

Active Ingredient

Decyl isononyl dimethyl ammonium chloride . . . . . 50.0%

Inert Ingredients

50.0%  
100.0%

KEEP OUT OF REACH OF CHILDREN

**DANGER**

STATEMENT OF PRACTICAL TREATMENT

**If In Eyes:** Hold eyelids open and flush with a steady, gently stream of water for 15 minutes. Get medical attention.

**If on Skin:** Wash with plenty of soap and water. Get medical attention.

**If Swallowed:** Call a physician or Poison Control Center. Do not induce vomiting. Drink promptly a large quantity of milk, egg whites, gelatin solution, or if these are not available, drink large quantities of water. Avoid alcohol.

**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 LEFT PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

EPA Registration No.

EPA Establishment No.

Net Weight

Volume

**ACCEPTED  
with CONDITIONS  
by EPA under Date**

SEP 29 1995

6836-

6836-IL-1

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

**6836-220**

**DIRT**

It is a violation of Federal Law if the product is inconsistent with its labeling.

Bardac CW-50 may be metered into a suitable container into the treatment system. Piston or diaphragm pumps, flow meters and feed lines may be used or unpigmented fiberglass.

**RE-CIRCULATING**

**INITIAL TREATMENTS:** To control slime is first visible, to sump 100 fluid ounces of Bardac CW-50 (100 ppm active) in the system. When control are evident. Badly fouled initiating treatment.

**MAINTENANCE TREATMENT**

dosages must be added to control. Determined by experience, sump composition and in amounts. After initial control is achieved, 100 fluid ounces for each 1,000 gallons provided daily, weekly or biweekly for algae control is typically required. Biweekly for bacterial slimes. Biweekly for green algae.

**FEEDING:** Bardac CW-50 may be

with water and fed by a sump or any other convenient treatment.

**Paper Manufacturing (for c**

Bardac CW-50 can be used on paperboard that does not contain Bardac CW-50 per ton of paper. 100 gallons of Bardac CW-50 per ton treated, which corresponds to 100 fluid ounces per ton of ingredient. Additions of Bardac CW-50 to the system where mixing act