

47371-44

11-18-2003

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Mr. Robert Sloan  
H&S Chemicals Division c/o Lonza, Inc.  
17-17 Route 208  
Fair Lawn, NJ 07410

NOV 18 2003

Subject: HL-420 Water Treatment Microbicide  
EPA Registration No. 47371-44  
Amendment Date: August 18, 2003  
EPA Receipt Date: August 20, 2003

Dear Mr. Sloan,

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

Proposed Amendment

- Update as per PR Notice 2001-1

Conditions

1. In future submissions, be certain that the product name on the application for pesticide is in agreement with the submitted label. If you desire to change the name of this product at some future date to include the term "Microbicide," then make a specific request of the Agency with a label, application for pesticide, and cover letter with the request which are all in agreement.
2. When compared to other similar products in our files, this product is in the following toxicity categories: Primary Eye: I, Primary Skin: I, Acute Oral: II, Acute Inhalation: II and Acute Dermal: III. The product is also classified as a sensitizer. The precautionary statements on the product label need to address the inhalation route of exposure. Revise the Precautionary Statements to be in agreement with these categories as follows:

**DANGER: Corrosive.** Causes irreversible eye damage and skin burns. Do not get in eyes, on skin, or on clothing. Wear protective eyewear (goggles or face shield), protective clothing, and rubber gloves. May be fatal if swallowed or inhaled. Do not breathe vapor or spray mist. Wear a dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C), or a NIOSH approved respirator with any N, R, P or HE filter. Harmful if absorbed through the skin. Prolonged or frequent skin contact may cause allergic reactions in some individuals. Wash thoroughly with soap and water after handling and before eating, drinking or using tobacco. Remove contaminated clothing and wash before reuse.

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SYMBOL	7510C						
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3. Revise the First Aid Statements by inserting the following text after the statements for "If Swallowed:"

"If Inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice."

4. Revise the "Note to Physician" by reinserting the following sentence, which was previously included on the last accepted label for this product:

"Measures against circulatory shock, respiratory depression, and convulsion may be needed."

5. Correct the three instances in the left column of page two where this product is referred to as HL-420 Water Treatment Microbicide. Correct these to be in agreement with the name of record for this product as HL-420 Water Treatment Microbicide.

6. Delete the heading "General Use Directions." Revise the directions for "Re-circulating cooling tower waters," item #2 to read:

"When the above treatment level is successful, use 2 to 3 fluid ounces of HL-420 Water Treatment Microbicide per 1000 gallons of system water to maximize efficiency. Repeat weekly as needed. Should slime develop again, go back to initial dosage."

7. Under the "General Use Directions" for "Re-Circulating Cooling Tower Waters," add the product name, HL-420, as noted in the following sentence:

"Dilute the appropriate amount of HL-420 in 1 or 2 gallons of water, then add to the system water in the tower."

8. Under the "General Use Directions" for "Oil Field Water Flood or Salt Water Disposal Systems," change the intermittent rate from "1 1/2 - 3 gallons per 3000 barrels of water" to "1 1/2 - 6 gallons per 3000 barrels of water." A rate of 1 1/2 - 6 gallons per 3000 barrels is equivalent to a 5 -20 ppm active quat solution, which is noted on the product label. This rate was previously included on the last accepted label for this product.

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General Comments

A stamped label is enclosed for your records. Please submit three (3) copies of your final printed label before distributing or selling the product bearing the revised labeling.

Should you have any questions or comments concerning this letter, please contact Tracy Lantz at (703) 308-6415.

Sincerely,



Velma Noble  
Product Manager (31)  
Regulatory Management Branch I  
Antimicrobials Division (7510C)

Enclosure: Stamped Label

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**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. Harmful or fatal if swallowed. Wear protective eyewear (goggles or face shield) protective clothing and rubber gloves when handling. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

(For containers 5 gallons or larger:)

**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.

**PHYSICAL AND CHEMICAL HAZARDS**

This formula is cationic. Do not mix with soap or anionic materials. Do not use or store near heat or open flame.

**STORAGE AND DISPOSAL**

Do not contaminate water, food, or feed by storage or disposal.

**PESTICIDE STORAGE**

Keep product under locked storage, inaccessible to children. Open dumping is prohibited. Do not reuse empty container.

**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**

*(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 smoke.

*(FIBER DRUMS WITH LINERS):*

Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment. Then dispose of liner in a sanitary landfill or by incineration if allowed by state and local authorities. If drum is contaminated and cannot be reused, dispose of in the same manner.

*(METAL CONTAINERS)*

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.

**HL-420**

**WATER TREATMENT MICROBICIDE**

**Water Treatment Microbicide 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%
	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.

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

EPA Reg. No. 47371-44

EPA Est. No. (as indicated on container)

Net Contents (as indicated on container)

H&S CHEMICALS DIVISION  
c/o LONZA INC.  
17-17 ROUTE 208  
FAIR LAWN, NJ 07410

**ACCEPTED**  
**with COMMENTS**  
**in EPA Letter Dated:**  
**NOV 18 2003**  
Under the Federal Insecticide,  
Fungicide, and Rodenticide Act as  
amended, for the pesticide,  
registered under EPA Reg. No.  
**47371-44**

(Optional marketing language:)

Will control algae and bacterial slimes found in re-circulating cooling tower waters.

Helps clean and loosen slime debris from cooling system surfaces.

When used in slug doses, no other microbiocide is required.

Formulated to provide control of growth of algae and slime in recirculating water cooling systems and evaporative condensers.

HL-420 Water Treatment Microbiocide is excellent for use in cooling water for thermal processing and pasteurizing operations in dairies, breweries, soft drink and food canning plants.

Economical to use because it is concentrated.

### DIRECTIONS FOR USE

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

### GENERAL USE DIRECTIONS

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

#### **RE-CIRCULATING COOLING TOWER WATERS:**

1. Initially add 6 fluid ounces of HL-420 Water Treatment Microbiocide per 1000 gallons of water in the system to be treated (20 ppm active quaternary). Should the above dosage not give satisfactory results, use 9 fluid ounces per 1000 gallons of system water. Repeat the initial dose every seven days or increase the frequency if needed.
2. When the above treatment level is successful, use 25 to 30 fluid ounces of HS-420 10% Water Treatment Microbiocide per 1000 gallons of system water to maximize efficiency. Repeat weekly as needed. Should slime develop again, go back to initial dosage.

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. Dilute the appropriate amount of in 1 or 2 gallons of water, then add to the system water in the tower. Should tower system water be heavily fouled, a pre-cleaning is required.

### **OIL FIELD WATER FLOOD OR SALT WATER DISPOSAL SYSTEMS:**

(Do not apply in Marine and Estuarine Oil Fields).

1. 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 (1½ - 3 gallons per 3000 barrels of water) continuously. Levels for effective control will vary depending on conditions at the site.
2. For intermittent use, dose at a rate of 5 - 20 ppm active (1½ - 3 gallons per 3000 barrels of water) for 3 - 8 hours per day, one to four times a week as needed to maintain control.

Add directly from the drum with the proper type of metering equipment.

### **FOR USE IN FEDERALLY INSPECTED MEAT AND POULTRY PLANTS:**

Cooling and retort water treatment compound. May be added to water to cook and cool containers of meat and poultry products to prevent staining of containers and to control corrosion and deposit formation on surfaces of processing equipment. Use 5 - 20 ppm active quat.

### **FOR USE IN THERMAL PROCESSING AND PASTEURIZER OPERATIONS:**

May be added to thermal processing water, pasteurizer cooling water or dairy sweetwater to control slime forming bacteria and deposit formation. Use 5 - 15 ppm active quat.