

47371-044

11/19/2009

1/5

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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



United States
Environmental Protection
Agency

Office of Pesticide Programs

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

NOV 19 2009

Subject: HS-420 (10%) Water Treatment Microbicide
Registration No.: 47371-044
Amendment Dated: August 19, 2009
Submission #: 857028

Dear Ms. Holcombe,

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

Proposed Amendment

- Add optional barcode, "country of origin" statement and "manufactured in" statement;
- Update the company address;
- Update the Storage and Disposal language per PR Notice 2007-4

Proposed Amendment

Conditions

Revise the label as follows:

1) The Container Rule rescinded PR Notice 83-3 and 84-1 Part II in which Container Disposal statements are no longer separated by container size but by use pattern. Delete the "Storage and Disposal" Instructions for containers one gallon or less w/ uses other than household/residential. Also revise the second "Note to reviewer" to read "*Containers institutional/industrial/ commercial uses.*"

2) The Container Rule established rinsate instructions for commercial, institutional, and industrial containers sold in containers five gallons or less and containers greater than five gallons. Therefore, revise the "Container Disposal" statements as follows:

b) If you sell your product in containers greater than 5 gallons, you must add the following statements:

CONCURRENCES							
SYMBOL							
SURNAME							
DATE							

(Container greater than 5 gallons)

Nonrefillable container. Do not reuse or refill container. Clean container promptly after emptying. Triple rinse as follows: Fill container ¼ full with water. 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. Then offer for recycling or reconditioning. If not available, puncture and dispose in a sanitary landfill.

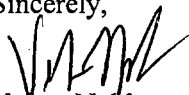
Page 2) - Under the "Environmental Hazard" section please include the statement, "This product is toxic to fish and other aquatic organisms".

General Comments:

A stamped copy of the labeling accepted with conditions is enclosed. Submit three (3) copies of your final printed labeling before distributing or selling the product bearing the revised labeling.

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)

3/5

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.

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

(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)*

[Country of origin (insert country)]

[Manufactured in (insert country)]

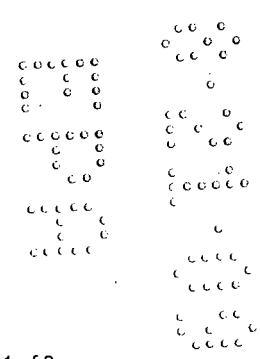
[Barcode]

H&S CHEMICALS DIVISION
c/o LONZA INC.
90 Boroline Road
Allendale, NJ 07401

**ACCEPTED
with COMMENTS
in EPA Letter Dated:**

NOV 19 2009

Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide,
registered under EPA Reg. No. *47371-44*



4/5

**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 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 frequently repeated 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.

(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.

(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 microbicide is required.

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

HL-420 Water Treatment Microbicide 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.

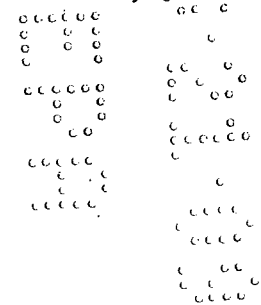
GENERAL USE DIRECTIONS

To control algae and bacterial slimes, use as directed. For best results, slug feed. The frequency of addition of microbicide 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 Microbicide 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 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.

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 - 6 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.

(Note to reviewer: For Nonrefillable Containers, Container is one gallon or less, Label has any uses other than Household and 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 ¼ 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 ¼ 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 ¼ 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 ¼ 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.