

US ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (75-767) WASHINGTON, DC 20460	EPA REGISTRATION NO. 47371-146	DATE OF ISSUANCE APR 17 1991
	TERM OF ISSUANCE	
	NAME OF PESTICIDE PRODUCT HS-420 Water Treatment Microbicide (10%)	
NOTICE OF PESTICIDE: <input checked="" type="checkbox"/> REGISTRATION <input type="checkbox"/> REREGISTRATION (Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended)		
NAME AND ADDRESS OF REGISTRANT (Include ZIP code)		
H&S Chemicals Division 970 East Tipton Street Huntington, TX 46750		
NOTE: Changes in labeling formula 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 U.S. 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.		
A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.		
Registration is in no way to be construed as an indorsement or approval of this product by this 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 section 3(c)(7)(A) provided that you:		
1. Submit/cite all data or other material required for registration/reregistration of your product under FIFRA section 3(c)(5) or FIFRA section 4 when the Agency requires all registrants of similar products to submit such data.		
2. Make the labeling changes listed below before you release the product for shipment:		
a. Add the phrase "EPA Registration No. 47371-146."		
b. Delete the word "severe" from the label.		
c. Revise the heading "Statement of Practical Treatment" to read:		
In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. For eyes, call a physician. If swallowed, drink promptly large quantities of water. Call a physician immediately.		
BEST AVAILABLE COPY		
<input checked="" type="checkbox"/> ATTACHMENT IS APPLICABLE		
SIGNATURE OF APPROVING OFFICIAL		DATE

- d. Under the heading "Note to Physician," delete the statement "measures against circulatory shock, respiratory depression, and convulsion may be needed."
- e. The heading "Storage and Disposal" must be of the same minimum type size as the "Keep Out of Reach of Children" statement.

3. Submit five (5) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 enclosure for a further description of final printed labeling.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 5(e). Your release for shipment of the product constitutes acceptance of these conditions.

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

John H. Lee
 Product Manager (31)
 Antimicrobial Program Branch
 Registration Division (R7505C)

Enclosures

BEST AVAILABLE COPY

383

HS-420 (10%) WATER TREATMENT MICORBICIDE Water Treatment Microbicide for Building and Industrial Cooling Towers and Oil Field Water Flood of Salt Water Disposal Systems

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:

Recirculating Cooling Towers

1. Initially use 30 fluid ounces per 1,000 gallons of water to be treated (30 ppm active quaternary). Should the above dosage not give satisfactory results, use 45 fluid ounces per 1,000 gallons of water. Repeat 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 per 1,000 gallons of water to maintain efficiency. Repeat weekly as needed. Should slimes develop again, go back to initial dosage.

Cooling tower waters 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 in 1 or 2 gallons of water, then add to the tower. Should tower 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 oilfield water flood or salt water disposal systems, add 5-10 ppm (active) (7.5-15 gallons per 3,000 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) (7.5-15 gallons per 3,000 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 watering 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 5-10 ppm active quat.

Will control algae and bacterial slimes found in recirculating 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 slimes in recirculating water cooling systems and evaporative condensers. It 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. It should be handled with care.

ACTIVE INGREDIENTS:
 Didacyl dimethyl ammonium chloride 10%
 INERT INGREDIENTS: 90%

KEEP OUT OF REACH OF CHILDREN

DANGER

(See right panel for additional precautionary and practical treatment statements.)

EPA REG. NO. 47371
EPA EST. NO. 47371-IN-01

NET CONTENTS _____

H&S CHEMICALS DIVISION
978 EAST TIPTON HUNTINGTON, IN 46750
(219) 336-7873

ACCEPTED
with COMMENTS
in EPA Letter Dated:

APR 17 1981

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for this pesticide registered under EPA Reg. No. 47371-146

STATEMENT OF PRACTICAL T...
In case of contact, immediately flush for at least 15 minutes. For eyes, promptly a large quantity of egg w... not available, drink large quantity immediately.

NOTE TO PHYSICIAN: Probably the use of gastric lavage. Manifest depression, and convulsion may be...
PRECAUTIONARY STATEMENT
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
DANGER

CORROSIVE: Causes severe eye and skin irritation. Wash contaminated clothing with soap and water. Wash face, hands, and rubber gloves when used. Avoid contact with eyes, nose, or mouth. Avoid contact with skin. Do not use in oil fields. Do not discharge into water unless in accordance with an NPDES permit. Regional Office of the Environmental Protection Agency. PHYSICAL AND CHEMICAL HAZARDS: This formula is caustic. Do not mix with acids. Do not use or store near heat or open flame.

STORAGE AND DISPOSAL
Keep product under locked storage. Do not contaminate water, food, or feed. Emptying is prohibited. Do not reuse. PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Do not reuse or mix with other pesticides, spray mixture, or rinse. Pesticides in containers cannot be disposed of by ordinary means. Do not contact your State Pesticide or Environmental Control Agency or the nearest Hazardous Waste representative for disposal instructions.

CONTAINER DISPOSAL
PLASTIC CONTAINERS
Triple rinse (or equivalent). Then recycle or puncture and dispose of in a sanitary landfill, or incineration, if allowed by state and local authorities. Do not burn.

FIBER DRUMS WITH LINERS
Completely empty liner by shaking, loosening clinging particles. Empty completely. Then dispose of liner in a sanitary landfill, or incineration, if approved by state and local authorities. If reused, dispose of in the same manner as above.

METAL CONTAINERS
Triple rinse (or equivalent). Then recycle or puncture and dispose of in a sanitary landfill, or incineration, if approved by state and local authorities.

BEST AVAILABLE COPY