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US ENVIRONMENTAL PROTECTION AGENCY  
OFFICE OF PESTICIDES PROGRAMS  
REGISTRATION DIVISION (TS-767)  
WASHINGTON, DC 20460

EPA REGISTRATION  
49677-1

DATE OF ISSUANCE

TERM OF ISSUANCE

FEB 25 1988

NOTICE OF PESTICIDE:  REGISTRATION  
 REREGISTRATION  
(Under the Federal Insecticide, Fungicide,  
and Rodenticide Act, as amended)

NAME OF PESTICIDE PRODUCT  
BIOTROL 319

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

Artesian Labs  
5 Brittlewood Road  
Charleston, WV 25314

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 and/or cite all data required for registration/reregistration of your product under FIFRA section 3(c)(5) when the Agency requires all registrants of similar products to submit such data.
2. Add the phrase "EPA Registration No. 49677-1" to your label before you release the product for shipment.
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 6(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)  
Disinfectants Branch  
Registration Division (TS-767C)

Enclosures

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL

DATE

Biotrol 319

ACCEPTED  
with COMMENTS  
in EPA Letter 12-11-85

FEB 25 1986

ACTIVE INGREDIENT:

2-(Thiocyanomethylthio)benzothiazole ..... 49677-1 ..... 30%

INERT INGREDIENTS ..... 70%

KEEP OUT OF REACH OF CHILDREN  
DANGER

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER: Causes irreversible eye damage. Causes skin irritation. This product may cause allergic skin reactions. Harmful if swallowed. Do not get in eyes, on skin, or on clothing. Wear goggles or face shield and rubber gloves when handling. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

STATEMENT OF PRACTICAL TREATMENT: If in eyes, flush with plenty of water. Get medical attention. If on skin, wash with plenty of soap and water. Get medical attention. 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. Get medical attention. Note to physician: Probable mucosal damage may contraindicate gastric lavage.

ENVIRONMENTAL HAZARDS: This pesticide is toxic to fish. Do not apply in marine and/or estuarine oil fields. Do not discharge effluent containing this active ingredient into lakes, streams, ponds, estuaries, oceans, or public waters unless this product is specifically identified and addressed in an NPDES permit. Do not discharge effluent containing this product to sewer systems without previously notifying the sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

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

Manufactured by:

Artesian Labs  
#5 Brittlewood Rd.  
Charleston, W. Va. 25314

EPA REG. NO. \_\_\_\_\_

EPA ST. NO. \_\_\_\_\_

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DIRECTIONS

It is a violation of Federal law to use this product without the required labeling.

COOLING TOWERS: Biotrol 319 per 1000 gal. water in the recirculating cooling tower wood against soft or surface rot. Apply by spraying or painting a dispersion containing 0.5 to 0.7 fl. oz. of Biotrol 319 per 1000 gal. water onto the clean wood surfaces. The amount of Biotrol 319 per 1000 gal. water in the recirculating cooling tower should be maintained at the level indicated on the label. Rot can also be inhibited by periodic shock dosing to the recirculating cooling water at the tower level. Shock dose should be applied to provide 1.25 lb. of Biotrol 319 per 1000 gal. water. Shock dosing should be stopped for 4 to 8 hr. after application and repeated every four months.

COOLING WATER: Biotrol 319 per 1000 gal. water in the recirculating cooling tower should be maintained at the level indicated on the label. Shock dose should be applied to provide 1.25 lb. of Biotrol 319 per 1000 gal. water. Shock dosing should be stopped for 4 to 8 hr. after application and repeated every four months.

DRILLING FLUIDS: To inhibit bacterial and fungal degradation of wells, Biotrol 319 concentrations of 0.05 to 0.25% based on the total well volume should be added. PETROLEUM SECONDARY RECOVERY: Biotrol 319 should be added to control sulfate-reducing bacteria, sludge-forming bacteria, and other oilfield problems. Add 0.5 to 1.0 fl. oz. of Biotrol 319 per 1000 gal. water. Shock dose should be made continuously or intermittently by means of injection pumps and injection well head. If the well is noticeably fouled, add 0.5 to 3.7 fl. oz. of Biotrol 319 per 1000 gal. water continuously until desired degree of control is achieved. Intermittent or Slug Method: For well control, add 0.5 to 3.7 fl. oz. of Biotrol 319 per 1000 gal. water 1 to 4 times per week, or as needed.

CUTTING FLUIDS: Biotrol 319 should be added to control fungal degradation of water-based and water-soluble cutting fluids in metalworking operations. It should be added to the parts per million Biotrol 319 per 1000 gal. water. Biotrol 319 should be added to the concentrate before dilution at a rate of the required concentration in the diluted fluid.

STORAGE & DISPOSAL

Do not contaminate water, food, or feed by storage or disposal. PESTICIDE STORAGE: Do not expose to extreme temperatures. High. Drums should be opened in well-ventilated area. Do not use in overpack drums for disposal. Spills should be absorbed and disposed in a sanitary landfill.

PESTICIDE DISPOSAL: Pesticide wastes are acutely toxic. Do not discharge to sewer, water, or other bodies of water. Pesticide, spray mixture, or rinse is a violation of Federal law if it reaches water. For disposal by use according to label instructions, contact your State or the Hazardous Waste representative at your EPA Regional Office.

CONTAINER DISPOSAL: Triple rinse (or equivalent) before reuse. Do not reuse container for food or other purposes. Puncture and dispose of in a sanitary landfill, or by other means as directed by local authorities.