

PM 31

70227-3

9-1-99

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY



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

EPA Reg. Number:

70227-3

Date of Issuance:

SEP 01 1999

NOTICE OF PESTICIDE:

 x Registration

 Reregistration

(under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product:

Mycostat-Z

Name and Address of Registrant (include ZIP Code):

Diacon Technologies LTD
11420 Blacksmith Place
Richmond BC Canada V7A 4X1

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) 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 following label changes:
 - a. Revise the EPA Registration Number to read, "EPA Reg. No. 70227-3".
3. Submit two copies of the revised final printed label for the record.
4. Under Storage and Disposal for containers greater than one gallon instructions, you need to include the Pesticide Storage subheading with the instructions "Do not store on side. Avoid creasing or impacting of side walls".

Signature of Approving Official:

Albert A. Nohel

CONCURRENCES

SEP 01 1999

SYMBOL 7510e

SURNAME [Signature]

DATE 9-26-99

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

If you have any questions concerning the comments in this letter, you should contact Zenobia Jones at (703) 308-6198.

Sincerely,



Velma Noble
Product Manager 31
Regulatory Management Branch 1
Antimicrobial Division (7510W)

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS
& DOMESTIC ANIMALS

DANGER

KEEP OUT OF REACH OF CHILDREN

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. Wash thoroughly with soap and water after handling. Harmful or fatal if swallowed. Avoid contamination of food.

ENVIRONMENTAL HAZARDS

This pesticide 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.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Do not use water containing residues from use of this product to irrigate crops used for food or feed. Use of the product in either public/municipal or single or multiple family private/residential potable/drinking water intake is strictly prohibited.

INITIAL APPLICATION FOR SWIMMING POOLS

(To a Clean Pool)

26 fluid oz. MYCOSTAT-Z to each 50,000 gallons of water or ratio thereof. If algae growth is visible apply the initial dose. Vacuum pool after 24 hours to remove dead algae. If algae is still visible repeat dose as necessary until pool is free of visible algae.

CONTINUED APPLICATION

6.5 fluid oz. MYCOSTAT-Z in 50,000 gallons of water every 3-5 days or as needed to maintain 2 ppm active. Quaternary Test Kits are available for this use.

BOOSTER APPLICATION

6.5 fluid oz. MYCOSTAT-Z in 50,000 gallons of water after a heavy or prolonged rainfall or when there is a heavy bathing load.

The above directions should be followed even when the pool is not in use.

INDUSTRIAL AND/OR COMMERCIAL RECIRCULATING COOLING WATER TOWERS AND RECIRCULATING COOLING WATER SYSTEMS

This product aids in the control of bacterial, fungal and algae slimes in evaporative condensers, heat exchange water system, commercial and industrial cooling towers, influent systems such as flow through filters and lagoons, industrial water scrubbing systems and brewery pasteurizers.

INITIAL APPLICATION

(To a Clean System)

The dose should be poured into the sump of a system which is clean or in which growth is first noticed. 5.25 to 10.25 fluid ounces (20-40 ppm on an active quaternary basis) per 1000 gallons of contained water. When heavy algae growth is present system will have to be cleaned manually.

SUBSEQUENT APPLICATION

1.33 to 3.85 fluid ounces (5 to 15 ppm on an active quaternary basis) per 1000 gallons of contained water.

The above directions are to be followed twice weekly or as needed.

If algae growth is noticeable, apply the initial dose.

AUXILIARY SERVICE WATER AND WASTE WATER SYSTEM

This product is effective for the control of odor-forming and slime-forming bacterial, fungi and algae in auxiliary service water systems such as fire protection systems and pump or screen bays, water waste material disposal, holding or recovery systems such as storage tanks, storage piles, associated piping, settling ponds or lagoons, transport spillways or canals and disposal wells.

This product may be added to the system by slug or intermittent feed or by spraying onto a waste pile. The frequency of feed or spray and the duration of the treatment will depend upon the severity of the contamination. Additions to water systems should be made during the pumping operation and as close to the pump as possible to ensure adequate mixing.

INTERMITTENT OR SLUG METHOD

When this treatment is required, add this product at the rate of 5.25 to 10.25 ounces per 1000 gallons of water already in the system, or being added to the system, for 4 to 8 hours, 1 to 4 times per week or as needed to achieve the desired level of control. When control is obtained, add this product at the rate of 1.33 to 3.85 ounces per 1000 gallons of water in the system.

ONCE THOUGH FRESH WATER COOLING SYSTEM

1. Wear safety glasses, rubber gloves and impervious apron.
2. Add product directly from drum or add the product at a point where it will be mixed uniformly.
3. To reduce foaming, mix 2 parts of water to 1 part of this product.
4. 0.15 to 1.5 fluid ounces (1-10 ppm on an active quaternary basis) per thousand gallons.
5. Do not discharge without performing proper deactivation. To perform deactivation use Bentonite Clay. The minimum ratio to be used is 5 ppm of clay to 1 ppm of product.
6. Do not use product more than 4 times per year.
7. Treatment time can not exceed 120 hours/application.
8. Avoid oxidizers and reducing agents. Product is cationic and should not be mixed with soap or anionic surfactants.

MYCOSTAT-Z

MYCOSTAT-Z for control of Algae, Algal, Fungal and Bacterial Slimes in Recirculating Water Systems, Auxiliary Water and Waste Water Systems and Water Cooling Systems Molluscs in Once Though Freshwater Cooling Systems and Mold, Mildew and Fungi in Sap Stains and Wood Preservatives.

ACTIVE INGREDIENT:

Alkyl (67% C_{12} , 25% C_{14} , 7% C_{16} , 1% C_{18}) dimethylbenzylammonium chloride.....50.0%
OTHER INGREDIENT.....50.0%
TOTAL.....100.0%
Weight Approx. 8 lb./gal.

KEEP OUT OF REACH OF CHILDREN

DANGER

STATEMENT OF PRACTICAL TREATMENT

In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. For eyes, call a physician. Remove and wash contaminated clothing before reuse.

If swallowed, drink promptly a large quantity of egg whites, gelatin solution or, if these are not available, drink large quantities of water. Avoid alcohol. Call a physician immediately.

NOTE TO PHYSICIAN

Probable mucosal damage may contraindicate the use of gastric lavage.

SEE LEFT PANEL

FOR ADDITIONAL PRECAUTIONARY STATEMENTS.

DIACON TECHNOLOGIES LTD.

11420 Blacksmith Place
Richmond, BC V7A 4X1
Canada
(604) 271-8855

E.P.A. Reg. No. 70227-
E.P.A. Est.No. 70227-CAN-1
ACCEPTED
with COMMENTS
in EPA Letter Dated:

SEP - 1 1999

Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide,
registered under EPA Reg. No. 70227-3

For control of mold and fungus on green or 1 dilute at a rate of 25-100 gallons of water conditions, species and condition of wood a inhibition of mold and fungus, lumber and to uniformly treated.

For best results, green wood should be treat Mold and fungus growth begins immediate increased chemical concentration. Green, unt Freshly treated lumber should not be allowed roofed, paved and drained to prevent dilution

This product is for use in the formulation of 1 from this product will protect treated wood ar be done by pressure or double vacuum. Woo construction timbers, decking, wood shingles. Dilute this product in either water or min formulation is to be used for both pressure an

Place the wood article to be treated into the p treatment procedures consistent with the equ should be such as to produce a 0.1 to 0.6 lb./ above ground uses only.

Stack the wooden articles to be treated in th sides of the articles. Seal the vessel. Reduce articles with preservative solution. Allow the solution. Reduce the pressure to -20 inches and remove treated wooden articles. Treat retention of product in the treated article. We Applicators must wear gloves impervious to expected (i.e. handling freshly treated wood a Individuals who enter pressure treatment cy treatment solution (e.g. cylinders that are in clothing including overalls, jacket, gloves an local confined space entry procedures need to Applicators must not eat, drink or use tobac them to the wood treatment formulation (e.g. mixing chemicals, handling freshly treated w Wash thoroughly after skin contact and before Protective clothing must be changed when it and workshoes or boots and equipment at the the plant and disposed of in a manner ap regulations.

STOR

1. PROHIBITIONS
DO NOT CONTAMINATE WATER, FO PROHIBITED. DO NOT REUSE EMPTY
2. STORAGE INSTRUCTIONS
STORE IN ORIGINAL CONTAINER AND
3. SPILL OR LEAK PROCEDURES
SMALL SPILLS MAY BE MOPPED U ABSORBENT MATERIAL AND INCINER
4. PESTICIDE DISPOSAL
PESTICIDE WASTES ARE ACUTELY HA MIXTURE, OR RINSATE IS A VIOLATIO OF BY THE USE ACCORDING TO L ENVIRONMENTAL CONTROL AGENE NEAREST EPA REGIONAL OFFICE FOR
5. CONTAINER DISPOSAL
TRIPLE RINSE (OR EQUIVALENT). TH AND DISPOSE OF IN A SANITARY LA LOCAL AUTHORITIES.

Diacon Technologies Ltd. warrants that this reasonably fit for purposes stated on such lab conditions. It is impossible to eliminate all ri unintended consequences may result because manner of use or application, all of which ar Technologies Ltd. be liable for consequentia product. All such risks shall be assumed by MERCHANTABILITY OR FITNESS F LLED WARRANTY EXCEPT AS STA