

JUL - 2 2003

Mr. Michael Kellogg  
Agent  
Diacon Technologies LTD  
c/o Pyxis Regulatory Consulting, Inc.  
11324 17<sup>th</sup> Ave. Ct. NW  
Gig Harbor, WA 98332

Subject: Mycostat QM  
EPA Registration No. 70227-2  
Application Date: 4/4/03  
Receipt Date: 4/7/03

Dear Mr. Kellogg:

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

Updating First Aid Language

**LABEL COMMENTS**

Revise the Precautionary Statements to read "Corrosive. Causes irrisible eye damage and skin burns. Do not get in eyes, on skin or clothing. Wear goggles or face shield, protective clothing and rubber gloves. May be fatal if swallowed or inhaled. Do not breathe spray mist (or vapor). Wear a dust mist filtering respirator (MSHA/NIOSH approval # prefix TC-21C). 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."

On page 4, under Storage and Disposal, remove "Spill Or Leak Procedures" and place it under "Physical and Chemical Hazards".

**GENERAL COMMENTS**

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

CONCURRENCES								
SYMBOL	7510C							
SURNAME	[Signature]							
DATE	7-1-03							

Should you have any questions or comments concerning this letter, please contact Zenobia Jones at (703) 308-6198.

Sincerely,



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

# MYCOSTAT™-QM

A Wood Treatment Preservative

Treatment can be done by pressure, double vacuum, dip or spray-box method. Wood articles that will be protected by these treatments include millwork, construction timbers, decking, and posts.

**ACTIVE INGREDIENT:**

Didecyl dimethyl ammonium chloride ..... 50.00%

**OTHER INGREDIENTS:** ..... 50.00%

**TOTAL:** ..... 100.00%

**ACCEPTED**  
with **COMMENTS**  
in EPA Letter Dated:  
JUL 2 - 2003

Contains 7.4 lbs. of product per gallon

**KEEP OUT OF REACH OF CHILDREN**

**DANGER**

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide, registered under EPA Reg. No. 70227-2

**STATEMENT OF PRACTICAL TREATMENT**

~~If on skin:~~ Wash with plenty of soap and water. Get medical attention.

~~If in eyes:~~ Hold eyelids open and flush with a steady, gentle stream of water for 15 minutes. Get medical attention.

~~If swallowed:~~ Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching the back of the throat with finger. If a person is unconscious, do not give anything by mouth and do not induce vomiting.

~~If inhaled:~~ Remove victim to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth. Get medical attention.

**Note to Physician:** Probable mucosal damage may contraindicate the use of gastric lavage.

<b>FIRST AID</b>	
<b><u>If on skin or clothing:</u></b>	<ul style="list-style-type: none"> <li>• <u>Take off contaminated clothing.</u></li> <li>• <u>Rinse skin immediately with plenty of water for 15-20 minutes.</u></li> <li>• <u>Call a poison control center or doctor for treatment advice.</u></li> </ul>
<b><u>If in eyes:</u></b>	<ul style="list-style-type: none"> <li>• <u>Hold eye open and rinse slowly and gently with water for 15-20 minutes.</u></li> <li>• <u>Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</u></li> <li>• <u>Call a poison control center or doctor for treatment advice.</u></li> </ul>
<b><u>If swallowed:</u></b>	<ul style="list-style-type: none"> <li>• <u>Call a poison control center or doctor immediately for treatment advice.</u></li> <li>• <u>Have person sip a glass of water if able to swallow.</u></li> <li>• <u>Do not induce vomiting unless told to do so by a poison control center or doctor.</u></li> <li>• <u>Do not give anything by mouth to an unconscious person.</u></li> </ul>
<b><u>If inhaled:</u></b>	<ul style="list-style-type: none"> <li>• <u>Move person to fresh air.</u></li> <li>• <u>If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth if possible.</u></li> <li>• <u>Call a poison control center or doctor for further treatment advice.</u></li> </ul>
<b>HOT LINE NUMBER</b>	
<p><u>Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For general product information, call Diacon Technologies Ltd at (604) 271-8855 between the hours of 9 a.m. - 4 p.m. Pacific Time.</u></p>	

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**NOTE TO PHYSICIAN**  
Probable mucosal damage may contraindicate the use of gastric lavage.

See side panel for additional precautionary statements

**Made In USA**  
DIACON TECHNOLOGIES LTD.  
#135-11960 Hammersmith Way  
Richmond, BC V7A 5C9  
(604) 271-8855  
Toll Free:  
1-888-290-2299

E.P.A. Reg. No. 70227-2  
E.P.A. Est. No.

**PRECAUTIONARY STATEMENTS  
HAZARD TO HUMANS AND DOMESTIC ANIMALS  
DANGER**

**~~KEEP OUT OF REACH OF CHILDREN~~**

**CORROSIVE.** Causes irreversible eye damage and skin burns. May be fatal if swallowed or absorbed through the skin. Do not get in eyes, on skin or on clothing. Harmful if inhaled. Avoid breathing vapor or spray mist. Wear protective clothing, rubber gloves, and goggles or face shield when handling. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco. Remove contaminated clothing and wash before reuse.

**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 into 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 OR CHEMICAL HAZARDS**

Do not use or store near heat or open flame.

**DIRECTIONS FOR USE**

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. This product can be used in combination with other EPA registered organic and inorganic wood preservatives, or it may be used alone.

**MYCOSTAT™-QM**

For the control of mold and fungus on green or freshly cut lumber. May be used in a dip or spray application. Dilute this product in either water or mineral spirits to produce a 0.5% to 3.0% active quaternary ammonium compound solution. Seasonal variation in storage and shipping conditions, species and condition of wood should be considered in selection of end use concentrations. For effective inhibition of mold and fungus, lumber and logs must be dipped or sprayed in a manner that ensures that all surfaces are uniformly treated.

Hard woods such as Alder, Birch and Maple would require an application rate of 100 - 150 g/cm<sup>2</sup> when stored and shipped as follows: dead packed, no paper-wrap.

Soft woods such as Fir, Hemlock and Pine would require an application rate of 150 - 200 g/cm<sup>2</sup> when stored and shipped as follows: dead packed, no paper-wrap.

For best results, green wood should be treated immediately, at least within 24 hours after cutting or sawing. Mold and fungus growth begins immediately after cutting so delayed treatment is much less effective and requires increased chemical concentration. Green, untreated lumber should not be used for stickers.

Freshly treated lumber should not be allowed to remain unprotected in heavy rains. Dip tanks and drip aprons must be roofed, paved and drain to prevent dilution and loss of the anti-stain solution.

**TANK MIXING WITH BORATES**

Mix this product and TIM-BOR (EPA Reg. No. 1624-39) in water and stir to give a solution of the desired concentration of components.

**TANK MIXING WITH COPPER COMPOUNDS**

Mix this product with water and either ACQ-C2 EPA Reg. No. 10465-36 or ACQ-C EPA Reg. No. 10465-33. Refer to the product labels for ACQ-C and ACQ-C2 for precise mixing instructions.

**TANK MIXING WITH PROPICONAZOLE**

Mix this product with MYCOSTAT™-P (EPA Reg. No.71406-1-70227) and dilute with water to produce a 0.5% to 3.0% quaternary ammonium compound solution. Follow the instructions on the MYCOSTAT™-P label for the appropriate concentration of propiconazole. PLEASE NOTE THIS FORMULATION IS NOT APPROPRIATE FOR PRESSURE SYSTEMS.

**DIP TREATMENT**

Stack the wood to be treated on a suitable holder and convey the stack into the treating solution making sure the stack is completely immersed. Dip time should range from 30 seconds (individual pieces) up to 30 minutes (bundled wooden articles). Use a concentration of 0.5 to 3.0% active quaternary ammonium compound. The concentration should be customized to achieve the degree of sapstain protection desired, which should be determined by an independent test on the intended species of wood.

**PRESSURE TREATMENT**

Place the article to be treated into the pressure cylinder and seal unit. Treat the wooden articles using the pressure treatment procedure consistent with the equipment being used and standard treatment practices. Treatment conditions should be such as to produce a 0.1 to 0.6 lb./cu. ft. retention in the treatment article. Such treated wood is to be used for above ground uses only.

**DIRECTIONS FOR USE CONTINUED**

**SPRAY-BOX APPLICATION**

For spray-box application prepare the treating solution by adding 1 gallon MYCOSTAT™-QM to 5 - 30 gallons of water. The concentration should be customized to achieve the degree of sapstain protection desired, which should be determined by an independent test on the intended species of wood. Mix thoroughly to ensure uniform composition. Application rates will vary according to wood species and moisture content, temperature, humidity, storage conditions and inoculum pressure. Ensure that the treatment conditions are such that the wood articles are uniformly covered with the treating solution. Monitor spray booth mixtures to ensure proper concentrations are being maintained. Contact your MYCOSTAT™-QM representative for application and monitoring advice.

**DOUBLE VACUUM**

Stack the wooden articles to be treated in the treatment vessel so that the preservative solution will have access to all sides of the articles. Seal the vessel. Reduce the pressure within the vessel to -10 in. for 5

minutes. Cover the articles with preservative solution. Allow the pressure to return to atmospheric conditions and discharge the preservative solution. Reduce the pressure to -20 in. and maintain for 20 minutes. Allow the pressure to return to atmospheric and remove treated wood articles. Treatment conditions should be used as to produce 0.1 to 0.6 lb./cu ft. retention of DDAC in the treated article. Wood treated to this retention for above ground use only.

**PERSONAL PROTECTION EQUIPMENT FOR PRESSURE TREATMENT, DOUBLE VACUUM, DIP AND SPRAY TREATMENT**

Applicators must wear gloves which are chemical-resistant (such as butyl or nitrile) in all situations where dermal contact is expected (i.e. handling freshly treated wood and manually opening cylinder doors). Individuals who enter pressure treatment cylinders and other related equipment that are contaminated with the wood treatment solution (e.g. cylinders that are in operation or are not free of all treatment solution) must wear coveralls over a long sleeved shirt and long pants, socks, chemical-resistant footwear and protective eyewear. Federal, State and local confined space entry procedures need to be followed.

Applicators must not eat, drink or use tobacco products during those parts of the application process that may expose them to the wood treatment formulation (e.g. manually opening/closing cylinder doors, moving frames out of cylinders, mixing chemicals, handling freshly treated wood). Wash thoroughly after skin contact and before eating, drinking, use of tobacco products or using restroom. Protective clothing must be changed when it shows signs of contamination. Applicators must leave protective clothing and work shoes or boots and equipment at the plant. Worn out protective clothing and work shoes or boots must be left at the plant and disposed of in a manner approved for pesticide disposal and in accordance with State and Federal regulations.

**STORAGE AND DISPOSAL**

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

**1) STORAGE INSTRUCTIONS**

Open dumping is prohibited. Store in original containers and place in locked storage area. Keep from freezing.

**2) SPILL OR LEAK PROCEDURES**

Small spills may be mopped up or flushed away with water or absorbed on some absorbent material and incinerated.

**3) 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.

**4) CONTAINER DISPOSAL**

Do not reuse empty container. 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.

**NOTICE OF WARRANTY:**

Diacon Technologies Ltd. warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for purposes stated on such label only when used in accordance with the directions under normal use conditions. It is impossible to eliminate all risk inherently associated with the

use of this product. Ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Diacon Technologies Ltd. In no case shall Diacon Technologies Ltd. be liable for consequential, special or indirect damages resulting from the use or handling of this product. All such risks shall be assumed by the Buyer. DIACON TECHNOLOGIES LTD. MAKES NO WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESSED OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

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