

464-674

7/29/2014

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

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

JUL 29 2014

The Dow Chemical Company
1803 Building
Midland, MI 48674

Subject: Amended Reregistration Label
Bioban P-1487T Antimicrobial Agent Pettit
EPA Registration Number 464-674

The Agency, in accordance with the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, has completed reviewing all of the information submitted with your application to support the reregistration of the above referenced product in connection with the Morpholine/100801 and Morpholine 100802 (REDs) and has concluded that your submission is acceptable.

NOTE: This product is not being reregistered under sections (c)5 and 4(g) of FIFRA at this time.

Please note that the record for this product currently contains the Confidential Statements of Formulation (CSFs) listed below. Any previously dated CSFs are superseded.

Basic Formulation, dated March 1, 2012
Alternate Formulation dated March 1, 2012

A copy of your label stamped "Accepted" is enclosed along with copies of the acute toxicity and product chemistry reviews completed for the subject product. Products shipped after 12 months from the date of this amendment or the next printing of the label whichever occurs first, must bear the new revised label. Your release for shipment of the product bearing the amended label constitutes acceptance of the conditions. If these conditions are not compiled with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e).

If you have any question about this letter, please contact Drusilla Copeland at copeland.drusilla@epa.gov.

Sincerely,



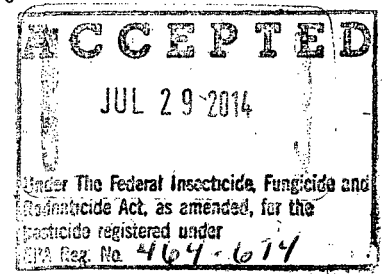
Eric Miederhoff
Acting Product Manager 33
Regulatory Management Branch 1
Antimicrobials Division (7510P)

BIOBAN P-1487T Antimicrobial Agent
Master Label
June 16, 2014

BIOBAN™ P-1487T Antimicrobial Agent

Active Ingredient(s):
 4-(2-Nitrobutyl)morpholine36.5 % by wt.
 4,4' - (2-Ethyl-2-nitrotrimethylene) dimorpholine...2.3% by wt
 Inert Ingredients61.2 % by wt
 Total 100%

E.P.A. Registration No. 464- 674
E.P.A. Est. XXXX-XX-X



KEEP OUT OF REACH OF CHILDREN

DANGER

FIRST AID	
IF IN EYES:	<ul style="list-style-type: none"> • Hold eyes open and rinse slowly and gently with water for 30 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes. • Call a poison control center or doctor for treatment advice.
IF SWALLOWED:	<ul style="list-style-type: none"> • 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 by a poison control center or doctor. • Do not give anything by mouth to an unconscious person
IF ON SKIN:	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment.
IF INHALED:	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance and the give artificial respiration, preferably mouth-to-mouth, if possible. • Call a poison control center or doctor for further treatment
HOT LINE NUMBER	
IN CASE OF AN EMERGENCY endangering life or property involving this product, call collect (989) 636-4400. 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.	

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CORROSIVE. CAUSES IRREVERSIBLE EYE DAMAGE. HARMFUL IF SWALLOWED. HARMFUL IF ABSORBED THROUGH SKIN. Avoid contact with skin, eyes or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wear protective eyewear such as goggles or face shield. Wear long-sleeved shirt and long pants, socks and shoes, and chemical-resistant gloves

BIOBAN P-1487T Antimicrobial Agent
Master Label
June 16, 2014

(such as those made out of Barrier Laminate, Butyl Rubber, Nitrile Rubber, Neoprene Rubber, Polyvinyl Chloride, or Viton, Selection Category C).

User Safety Recommendations

User should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.

User should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and aquatic invertebrates.. 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 plan authority. For guidance, contact your State Water Board or Regional Office of the EPA.

STORAGE AND DISPOSAL

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. Triple rinse or pressure rinse container (or equivalent) promptly after emptying. Then offer for recycling, if available, or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities by burning. If burned, stay out of smoke.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

FOR USE IN METALWORKING FLUIDS

BIOBAN P-1487T is recommended for use in soluble oils, semi-synthetic and synthetic fluids. It should be added directly in the sump (with agitation). A dose of 1000-2000 ppm is recommended for initial treatment; higher levels up to 2500 ppm, but no greater, for fouled systems. After addition of BIOBAN P-1487T the system should be circulated for about one hour before shut down.

In Diluted Fluids: An initial concentration of 1000to 2500 ppm of BIOBAN P-1487T is sufficient to control gross microbial growth. For example, add 1.0 lb of BIOBAN P-1487 T to 1000 lb of fluid to obtain a dose level of 1000 ppm in the fluid.

BIOBAN P-1487T Antimicrobial Agent
Master Label
June 16, 2014

Maintenance Dosage: Add 500-1000 ppm of BIOBAN P-1487T to maintain control of the system

FOR USE IN HYDROCARBON PRESERVATION
To control the growth of problem microorganisms associated with the fuel.

In General Use: Add BIOBAN P-1487T to storage tanks or fuel tanks for control of microbial growth in diesel oil, fuel oil, gasoline, or kerosene. Treatment may be performed by slug dosage or by intermittent metering to attain the proper concentration of BIOBAN P-1487T.

For Storage Above Water: Add 2.2 gallons of BIOBAN P-1487T to each 1000 gallons of water in the bulk storage system to achieve a concentration of approximately 2200 ppm. To facilitate mixing dissolve each gallon of BIOBAN P-1487T in 100 gallons of water and add this solution directly to the water phase in the tank with minimal agitation.

For Storage in Tanks Without Intentional Water: Add 0.28-2.2 gallon of BIOBAN P-1487T directly to each 1000 gallons of hydrocarbon in the system to obtain a concentration of approximately 280-2200 ppm.

In a Fuel-Treatment Pre-Mix: BIOBAN P-1487T may be mixed with other fuel additives for addition to fuel. The end user must add sufficient BIOBAN P-1487T to the pre-mix to provide 280-2200 ppm of BIOBAN P-1487T in the treated fuel.

Notice: Seller warrants that the product conforms to its chemical description as contained on this label and is reasonably fit for the purposes stated on this label when used in accordance with directions under normal conditions of use. THE WARRANTIES MADE IN THIS PARAGRAPH ARE SELLER'S SOLE WARRANTIES AND ARE MADE EXPRESSLY IN LIEU OF AND EXCLUDE ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE AND ALL OTHER EXPRESS OR IMPLIED REPRESENTATIONS AND WARRANTIES.

NET WT:
LOT:

Produced for:

THE DOW CHEMICAL COMPANY
Midland, Michigan 48674 USA
(989)636-4400