

464-660

11-21-2006

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



United States
Environmental Protection
Agency

Office of Pesticide Programs

The Dow Chemical Company
1803 Building
Midland, MI 48674

NOV 21 2006

Attention: Abigail Trueblood
Regulatory Specialist

Subject: BIOBAN CS-1135 Antimicrobial
EPA Registration No. 464-660
Notification Dated November 3, 2006

This will acknowledge receipt of your notification addition of the qualifier "Produced for" above the company name, submitted under the provisions of FIFRA Section 3(c)(9). Based on a review of the submitted material, the following comments apply.

The Notification is in compliance with PR Notice 98-10 and is acceptable. This information has been made a part of your file.

If you have any questions concerning this letter, please contact Martha Terry at (703) 308-6217.

Sincerely

A handwritten signature in black ink that reads "M. Swindell".

Marshall Swindell
Product Manager (33)
Regulatory Management Branch 1
Antimicrobials Division (7510P)

Please read instructions on reverse before completing form.

Fed. Approved, OMB No. 2070-0080. Approval expires 2-28-



United States
Environmental Protection Agency
 Washington, DC 20460

Registration
 Amendment
 Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number 464-660	2. EPA Product Manager M. Swindell	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) BIOBANCS-1135 Antimicrobial	PM# 33	
5. Name and Address of Applicant (Include ZIP Code) The Dow Chemical Company 1803 Building Midland, MI 48674 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Addition of the qualifier "Produced for" above the company name
 Please see attached sheet for additional information

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input checked="" type="checkbox"/> Metal	
* Certification must be submitted		If "Yes" Unit Packaging wgt.	No. per container	If "Yes" Package wgt	No. per container
				<input type="checkbox"/> Plastic	
				<input type="checkbox"/> Glass	
				<input type="checkbox"/> Paper	
				<input type="checkbox"/> Other (Specify) _____	
3. Location of Net Contents Information <input type="checkbox"/> Label <input checked="" type="checkbox"/> Container		4. Size(s) Retail Container 55 gal and 5 gal		5. Location of Label Directions <input checked="" type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product		<input checked="" type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled		<input type="checkbox"/> Other _____	

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Abigail Trueblood	Title Regulatory Specialist	Telephone No. (Include Area Code) 847-808-3555
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received (Stamped)
2. Signature <i>Abigail Trueblood</i>	3. Title Regulatory Specialist	
4. Typed Name Abigail Trueblood	5. Date 11/2/10	

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This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under Sections 12 and 14 of FIFRA.



November 3, 2006

The Dow Chemical Company
1300 E. Lake Court Road
Dow Chemical Company
Midland, TX 79701

Mr. Marshall Swindell/ PM33
Document Processing Desk (NOTIF)
Office of Pesticide Programs (7504P)
U.S. Environmental Protection Agency
Office of Pesticide Programs
Antimicrobials Division
One Potomac Yard
2777 South Crystal Drive
Arlington, VA 22202-4501

Re: Notification of Addition of Qualifier "Produced for"
above Company Name
BIOBAN™ CS-1135 Antimicrobial (EPA Reg. No. 464-660)

Dear Mr. Swindell:

The Dow Chemical Company (Dow) seeks to notify USEPA of the following change to the product label for BIOBAN CS-1135 Antimicrobial:

- addition of qualifier "Produced for" above the company name

Enclosed are the following:

- EPA Form 8570-1, *Application for Registration* (with attached sheet)
- One copy of the proposed label with changes highlighted

If you have any questions concerning this submission, please contact me.

Sincerely,

Abigail Trueblood
Regulatory Specialist
atrueblood@dow.com
(847)-808-3555

BIOBAN** CS-1135 Antimicrobial

FOR CONTROL OF BACTERIA IN AQUEOUS SYSTEMS

Active Ingredients:
 4,4-Dimethyloxazolidine 78.0%
 Inert Ingredients 22.0%
 Total 100%

E.P.A. Registration No. 464-660
 E.P.A. Est.

KEEP OUT OF REACH OF CHILDREN

DANGER

PRECAUTIONARY STATEMENTS
 Hazards to Humans and Domestic Animals
CAUSES IRREVERSIBLE EYE DAMAGE AND SKIN IRRITATION. HARMFUL IF SWALLOWED, ABSORBED THROUGH SKIN OR INHALED. COMBUSTIBLE LIQUID
 Do Not Get In Eyes, On Skin, On Clothing - Avoid Breathing Vapor Or Spray Mist - Wear Goggles or Face Shield And Chemical Resistant Rubber Gloves When Handling - Wash Thoroughly With Soap And Water Immediately After Handling - Remove Contaminated Clothing and Wash Before Reuse - Remove Personal Protective Equipment After Use - Do Not Use Or Store Near Heat Or Open Flame

Produced for:



THE DOW CHEMICAL COMPANY
 Midland, Michigan 48674 U.S.A.
 (989)636-4400

* Trademark of THE DOW CHEMICAL COMPANY

FIRST AID:	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes. • Call a poison control center or doctor for treatment advice. • Call a poison control center immediately for treatment advice. • Have a person sip a glass of water if able to swallow. • Do not induce vomiting unless told by the poison control center or doctor. • 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 IN EYES:	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth to mouth if possible. • Call a poison control center or doctor for further treatment advice.
IF SWALLOWED:	
IF ON SKIN:	
IF INHALED:	
NOTE TO PHYSICIAN: Possible eye/ocular damage may contraindicate the use of plastic lenses. Measure against ordinary shock, respiratory depression, and convulsion may be needed.	
HOT LINE NUMBER	
IN CASE OF AN EMERGENCY endangering life or property involving this product, call collect (800)668-4466. Have the product container or label with you when calling a poison control center or doctor or going for treatment.	

ENVIRONMENTAL HAZARDS
 The pesticide is toxic to fish and wildlife. Do not discharge effluent containing this product into lakes, streams, ponds, reservoirs, oceans or other waters unless in accordance with the requirements of a National Pollution Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent into navigable waters. Do not discharge effluent into surface water without particularly notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

STORAGE AND DISPOSAL
 Do not contaminate water, food, or feed by storage or disposal.
PESTICIDE DISPOSAL
 Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or residue 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
 Triple-rinse (or equivalent). Then offer for recycling or reconditioning, or purchase and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

DIRECTIONS FOR USE
 It is a violation of Federal Law to use this product in a manner inconsistent with the labeling.

USE IN PAINTS, INKS, AND EMULSIONS
 BIOBAN CS-1135 is effective as a preservative in water-cooling systems, such as laser printers and thin end wash emulsions, at a concentration of 0.1 to 0.2 lb per 100 lb total formulation weight.

BIOBAN CS-1135 may be added at any point in the manufacturing process at a concentration of 0.1 to 0.2 lb per 100 lb of the formulation. The recommended rate for preservation of resin emulsions is approximately 0.2 lb per 100 lb of the formulation.

NOTICE: Seller warrants that the product conforms to the chemical description as contained on the label and is reasonably fit for the purposes stated on the label (except uses for which USEPA has accepted the required data and/or claims of data that the manufacturer has submitted in support of registration) when used in accordance with the labeling. THE WARRANTIES MADE IN THIS PARAGRAPH ARE SELLER'S SOLE WARRANTIES WITH RESPECT TO THE PRODUCT AND ARE MADE EXPRESSLY IN LIEU OF AND EXCLUDE ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE AND ALL OTHER WARRANTIES OR IMPLIED REPRESENTATIONS AND WARRANTIES.

USE IN METALWORKING FLUIDS
 In Diluted Fluids: A concentration of 1000-3000 ppm of BIOBAN CS-1135 is sufficient to control gross microbial growth. Add 1.7 to 2.0 parts of BIOBAN CS-1135 per each 100 gallons of fluid.
 Maintenance Dosage: Add 250-500 ppm BIOBAN CS-1135 weekly to the fluid. The addition of BIOBAN CS-1135 to each 100 gallons of fluid will provide 500 ppm concentration.
 In Concentrates: BIOBAN CS-1135 may be incorporated in metalworking fluid concentrates by the manufacturer. BIOBAN CS-1135 concentrate will be stable in concentrates as long as the pH is maintained above 6. However, long-term stability studies should be carried out by the manufacturer on the specific formulation to ensure that the concentrate does not contain ingredients incompatible with BIOBAN CS-1135 stability. The amount to be incorporated will depend on the dilution factor. For efficient bactericidal activity, a concentration of 1000 to 3000 ppm of BIOBAN CS-1135 in the diluted fluid is suggested.

FOR USE IN PRESERVING DRILLING FLUIDS AND WORKOVER AND COMPLETION FLUIDS
 Determine the volume of BIOBAN CS-1135 necessary to provide a concentration of 600-1000 ppm by weight of BIOBAN CS-1135 in the fluid. Add the appropriate volume of BIOBAN CS-1135 concentrate to the fluid. For example, to preserve 1000 gallons of drilling fluid, add 100 gallons of BIOBAN CS-1135 concentrate. As the system circulates, add the BIOBAN CS-1135 in thin streams.
 Add additional BIOBAN CS-1135 to the system to maintain the proper concentration as the total volume of the system increases.

USE IN ADHESIVES (NON-FOOD CONTACT)
 For control of microbial contamination, add 0.1 to 0.5 lb of BIOBAN CS-1135 per 100 lb total formulation weight.

USE IN OILFIELD WATER SYSTEMS
 For controlling aerobic slime-forming bacteria (Pseudomonas sp.) or iron-oxidizing bacteria (Sulfolobus sp.) and anaerobic sulfate-reducing bacteria (Desulfotomaculum sp.) in oilfield water systems, such as surface injection water, add 1-100 ppm of BIOBAN CS-1135 depending on the severity of the contamination. Additions should be made with a metering pump at the five water injection wells before or after the injection pumps and injection well headlines.

Continuous-feed method: If the system is radioactive liquid, add 30-180 ppm BIOBAN CS-1135 (1.7-12.8 gal per 2000 barrels of water) continuously until the desired degree of control is achieved. Subsequently, treat with 6-150 ppm BIOBAN CS-1135 (0.49-12.3 gal per 2000 barrels of water) continuously as needed to maintain control.

Intermittent or slug method: If the system is radioactive liquid, or to maintain control of the system, add 20-150 ppm BIOBAN CS-1135 (1.7-12.8 gal per 2000 barrels of water) to the system once per week or once per month, depending on the severity of contamination.

USE IN METALWORKING FLUIDS
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 Add additional BIOBAN CS-1135 to the system to maintain the proper concentration as the total volume of the system increases.

USE IN DIE-CAST LUBRIC AGENTS
 To control the growth of microorganisms in metal die-cast applications in the manufacture of plastics.

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