

WASHINGTON, D.C. 20460

**Office of Pesticide Programs**

The Dow Chemical Company
1803 Building
Midland, Mi 48674

Attention: Maureen Mikszta
Senior Regulatory Specialist

Subject: BioBan BP-40
EPA Registration No. 464-676
Notification Dated September 20, 2006

This will acknowledge receipt of your notification for a minor labeling change and to add the word "Preservative" to the primary product name, submitted under the provisions of FIFRA Section 3(c)(9). Based on a review of the submitted material, the following comments apply.

Old Product Name

"BioBan BP-40"

New Product Name

"BioBan BP-40 Preservative"

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

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



United States
Environmental Protection Agency
Washington, DC 20460

☐ Registration
☐ Amendment
☒ Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number 464-676	2. EPA Product Manager M. Swindell	3. Proposed Classification ☒ None ☐ Restricted
4. Company/Product (Name) BIOBAN BP-40	PM# 33	
5. Name and Address of Applicant (Include ZIP Code) The Dow Chemical Company 1803 Building Midland, MI 48674 ☐ 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

☐ Amendment - Explain below.	☐ Final printed labels in response to Agency letter dated _____
☐ Resubmission in response to Agency letter dated _____	☐ "Me Too" Application.
☒ Notification - Explain below.	☐ Other - Explain below.

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

The Dow Chemical Company is submitting a notification to the label to clarify that Dow is not the producer. The text, "produced for:" has been added to the label. In addition, the brand name of the product is being modified to include the word Preservative in the name. The name of the product will be BIOBAN BP-40 Preservative. This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40CFR 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 a violation of 18U.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 40CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under section 12 and 14 of FIFRA.

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging ☐ Yes ☒ No	Unit Packaging ☐ Yes ☒ No	Water Soluble Packaging ☐ Yes ☒ No		☒ Metal ☐ Plastic ☐ Glass ☐ Paper ☐ Other (Specify) _____	
* Certification must be submitted		If "Yes" Unit Packaging wgt.	No. per container	If "Yes" Package wgt	No. per container
3. Location of Net Contents Information ☒ Label ☐ Container		4. Size(s) Retail Container 5.0 and 55 gallon and 1,000 liter totes		5. Location of Label Directions ☒	
6. Manner in Which Label is Affixed to Product ☒ Lithograph ☐ Paper glued ☐ Stenciled				☐ Other _____	

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)

Name Maureen Mikszta	Title Senior Regulatory Specialist	Telephone No. (Include Area Code) 732-563-5586
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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 	3. Title Senior Regulatory Specialist
4. Typed Name Maureen Mikszta	5. Date 9/20/06



September 20, 2006

The Dow Chemical Company
171 River Road
Piscataway, NJ 08854
USA

Overnight Delivery

Document Processing Desk (NOTIF)
Office of Pesticides Programs (7504P)
Antimicrobials Division
U. S. Environmental Protection Agency
Room S-4900, One Potomac Yard
2777 South Crystal Drive
Arlington, VA 22202-4501

Subject: BIOBAN™ BP-40, EPA Reg. No. 464-676
Notification of Brand Name Change and Minor Label Change

Dear Sir/Madam:

Per PR Notice 98-10, The Dow Chemical Company is submitting a notification to the registration for BIOBAN™ BP-40, EPA Reg. No. 464-676. This notification includes a minor change to the labeling and a modification in the brand name from BIOBAN™ BP-40 to BIOBAN™ BP-40 **Preservative**. Please find enclosed the following documentation in support of this application:

- Application Form, EPA Form 8570-1
- Draft label with highlighted changes

Please contact me at 732-563-5586 with questions or comments regarding this submission. Thank you for your assistance.

Sincerely,

A handwritten signature in cursive script that reads "Maureen Mikszta".

Maureen Mikszta
Senior Regulatory Specialist

cc: Mr. Marshall Swindell, PM-33

Enclosure

BIOBAN™ BP-40 Preservative

Active Ingredient(s)

2-Bromo-2-nitropropane-1,3-diol... 40.8%

Inert Ingredient(s) 59.2%

Total 100.0%

E.P.A. Registration No. 464-876

E.P.A. Est. 37429-GA-2

KEEP OUT OF REACH OF CHILDREN

DANGER

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CORROSIVE • CAUSES IRREVERSIBLE

EYE DAMAGE AND SKIN BURNS •

HARMFUL IF SWALLOWED, ABSORBED

THROUGH THE SKIN, OR INHALED

Do Not Breathe Vapor or Spray Mist • Do Not

Get In Eyes, On Skin, Or On Clothing • Wear

Goggles Or Face Shield, Protective Clothing,

and Rubber (or chemical resistant) Gloves •

Wash Thoroughly With Soap and Water After

Handling and Before Eating, Drinking, or Using

Tobacco • Remove Contaminated Clothing and

Wash Clothing Before Reuse • Prolonged or

Frequently Repeated Skin Contact May Cause

Allergic Reactions in Some Individuals

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. Do not contaminate water by cleaning of

equipment or disposal of waste.

Produced for:



THE DOW CHEMICAL COMPANY

Midland, Michigan 48674 U.S.A.

(989)636-4400

© TM trademark of The Dow Chemical Company, (Dow)

or an affiliated company of Dow

Made in U.S.A.

FIRST AID:	
IF IN EYES:	• Hold eye open and rinse slowly and gently with water for 15-20 minutes • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
IF SWALLOWED:	• Call poison control center or doctor immediately for treatment advice. • Have a person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by the poison control center.
IF ON SKIN:	• 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:	• 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 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.	

STORAGE AND DISPOSAL

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

Storage: Keep away from heat.

Pesticide Disposal: Pesticide wastes are acutely hazardous.

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: Empty residue into application equipment.

Triple rinse (or equivalent) then offer container for recycling or

reconditioning or puncture. Dispose of container in a sanitary

landfill, or by incineration, if allowed by state and local authorities.

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 the labeling.

GENERAL USE DIRECTIONS

To control the growth of algae-forming, spoilage, odor-causing and

corrosion inducing bacteria and algae in industrial applications. Not

for control of algae in the State of California.

BIOBAN BP-40 Preservative can be dosed directly either by open

pouring or by metered pump. Do not apply by open pouring of liquid

to cooling water systems; a metering pump system is required for this

use and application method.

For in-can product preservation BIOBAN BP-40 Preservative is best

added to any liquid phase as late as possible during the

manufacturing process and after any heating stage, or when the

product has cooled below 40°C. Ensure good mixing and even

distribution throughout the product.

Applicators and other handlers must wear long-sleeve shirt and long

pants, socks plus shoes, and chemical resistant gloves. Do not

apply this product in a way that will contact workers or other persons

Follow manufacturer's instruction for design/maintaining personal

protective equipment (PPE). If there are no such instructions for

washables, use detergent and hot water. Keep and wash PPE

separately from other laundry. Discard clothing or other absorbent

materials that have been drenched or heavily contaminated with this

product's concentrate. Do not reuse them. Users should wash hands

before eating, drinking, chewing gum, using tobacco, or using the

toilet. If pesticide gets inside clothing remove clothing immediately,

wash thoroughly, and put on clean clothing. Users should remove

PPE immediately after handling the product. Wash the outside of

gloves before removing. As soon as possible, wash thoroughly and

change into clean clothing.

INDUSTRIAL RECIRCULATING WATER COOLING TOWERS AND

EVAPORATIVE CONDENSERS

BIOBAN BP-40 Preservative may be dosed directly into the sump or

basin or it may be added by a suitable chemical pump. Where

metering pumps are used, these must be set to deliver the required

dose within 1 hour. The dosing point should be located close to the

outlet from the basin to ensure rapid dispersal around the system.

BIOBAN BP-40 Preservative may be dosed once or twice weekly at

52-210 micubic meter or 0.42-1.8 pt/1000 gallons (25 to 100 ppm

active ingredient) depending on the condition of the tower, the quality

of raw water input and the amount of bleed off. Where contamination

is heavy, more frequent dosing may be required. In heavily loaded

systems, the tower should be drained and cleaned before treating

with BIOBAN BP-40 Preservative.

PAPER MILLS-BULK PULP

Add BIOBAN BP-40 Preservative directly into the hydropulper,

machine chest or stock chest.

Add BIOBAN BP-40 Preservative once weekly to once daily at

between 113 and 421 ml per ton of stock or 0.83-3.3 pt/1000 gallons

(50-200 ppm active ingredient) depending on the degree of

contamination.

INDUSTRIAL PROCESS WATER

For use in closed circuit machine cooling (injection molding, etc.)

and stored (non-potable) water. To reduce the biofouling of pipework,

heat exchangers, condenser tubes and minimize microbially

produced corrosion. Shock dosing into the sump/tank of the process

water system is preferred. Closed circuit systems require less

frequent dosing.

In open systems shock dosing should be carried out on a once

weekly to once monthly basis depending on the degree of

contamination.

Initially dose at 105 micubic meter, or 0.8 pt/1000 gallons (50 ppm

active ingredient). When successful, dosing can be lowered to a

minimum level equivalent to 10 ppm active ingredient. For

intermittent treatment or during routine maintenance use BIOBAN

BP-40 Preservative at 100 ppm active ingredient, and a contact time

of at least one hour.

OIL AND GAS FLUIDS

The product may be used in terrestrial and off-shore drilling muds

and packer fluids.

Use for in-can preservation of a wide range of gels and fluids

including fracturing, enhanced oil recovery, injection, well squeeze,

drilling, workover and completion fluids.

Add BIOBAN BP-40 Preservative at 105-210 micubic meter (0.8-1.8

pt/1000 gallons, or 0.035-0.07 pt/barrel) which is equivalent to 50-100

ppm active ingredient.

For well squeezed fluids add BIOBAN BP-40 Preservative at 52-420

micubic meter, or 0.42-3.38 pt/1000 gallons (25-200 ppm active

ingredient).

OIL PROCESS WATERS

For use in oil and gas well injection and formation waters.

Inject BIOBAN BP-40 Preservative as a slug dose directly into well

and formation waters at 52-210 micubic meter, 0.42-1.8 pt/1000

gallons or 0.0177-0.07 pt/barrel, 25-100 ppm active ingredient). A

slug dose should be applied from once per week to once per month

depending on the severity of contamination.

METALWORKING FLUIDS

For use in soluble oils, semi-synthetic and synthetic fluids. Add

directly to the sump (with agitation) and allow the system to circulate

for about one hour before shutdown.

In diluted fluids add 520-2100 micubic meter or 0.52-2.1 gallon/1000

gallon (250-1000 ppm active) to control microbial growth. For

maintenance add 210-840 micubic meter or 0.21-0.8 gallon/1000

gallon (100-400 ppm active ingredient) on a weekly basis preferably

in the afternoon before shutdown. The frequency may be increased

where significant contamination is identified.

BIOBAN BP-40 Preservative may be incorporated in metalworking

fluid concentrate by the manufacturer who should ensure that any

incompatibility will not affect efficacy.

PAPER MILL PROCESS WATER

Apply at a convenient point early in the process system (machine

chest, constant head box or backwater loop system).

Shock dose one, twice or three times daily at 1 to 25 ppm a.i. in the

process water. This equates to 22 and 525 ml (0.45 and 1.13 pt) per

ton of finished paper or paperboard depending on the complexity of

the system, quality of raw paper and type and degree of

contamination.

ADHESIVES

For control of microbial contamination, add 0.25 to 2.5 lb of BIOBAN

PAINTS, WATER-BASED COATING APPLICATION TANKS, AND

LATEX

To provide in-can preservation and prevent bacterial spoilage during

storage of acrylic, styrene-acrylic, polyvinyl acetate and other

emulsion concentrates and latex emulsion based paints. To prevent

spoilage of in-service paint applications tanks. Add BIOBAN BP-40

Preservative at any convenient point during the manufacturing

process. Ideally it should be added as a final step just prior to

packing of the product into bulk or sales packs. If a heating stage is

involved in the manufacture, add BIOBAN BP-40 Preservative after

this stage when the product has cooled to below 40°C. Addition to

application tanks should be by slug dosing the tank as needed to

prevent bacterial spoilage.

FREQUENCY AND DOSE. BIOBAN BP-40 Preservative should be

dosed at 200 to 1000 ppm based on the final formulation volume (1.6

to 8 pt/1000 gallons).

ABSORBANT CLAYS, CORN COBS AND GROUND WOOD

(Impregnate absorbent clays, corn cobs or ground wood with

BIOBAN BP-40 Preservative to inhibit the growth of odor-causing

bacteria. The suggested application rate is 82-500 ppm (0.06-0.4

oz. av. per 100 pounds absorbent material).

Recommended doses expressed as ppm are ppm product.

USES UNAPPROVED IN CALIFORNIA

OIL AND GAS PIPELINE AND TANK MAINTENANCE

For use in water bottoms in crude and refined hydrocarbon storage

tanks, piping and transportation systems.

Inject BIOBAN BP-40 Preservative directly into the water bottom or

pipeline, or add to the hydrocarbon phase. Treat once daily for

pipeline maintenance to once every one or two months for both

storage and transportation systems. Apply BIOBAN BP-40

Preservative at 52-420 micubic meter or 0.42-3.38 pt/1000 gallons

of aqueous phase (25-200 ppm active ingredient). Higher levels

may be added when dosing the hydrocarbon phase which will result

in longer term protection by gradual diffusion into the water.

WATER-BASED PRINTING INKS AND FOUNT SOLUTIONS

To inhibit the growth of spoilage bacteria during the storage and use

of water-based printing inks and fountain solutions. For in-can

preservation, add BIOBAN BP-40 Preservative at any convenient

point during the manufacturing process. Ideally, it should be added

as a final step after any heating stage and when the product has

cooled to below 40°C. To control bacterial spoilage during the use

of fountain solutions, BIOBAN BP-40 Preservative should be

shock-dosed at a suitable point in the fountain reservoir where there is

adequate flow or turbulence to ensure quick mixing. BIOBAN BP-40

Preservative may be shock-dosed once or twice weekly as a normal

routine. Where conditions indicate, more frequent shock-dosing

may be required.

IN-CAN PRESERVATION. BIOBAN BP-40 Preservative should be

dosed at 200 to 1000 ppm based on the final formulation volume (1.6

to 8 pt/1000 gallons).

FOUNT SOLUTIONS. BIOBAN BP-40 Preservative should be

shock dosed at between 40 and 200 ppm (0.32 to 1.6 pt/1000

gallons) depending on the contamination levels in the fountain

reservoir.

STARCH PIGMENT AND EXTENDER SLURRIES

To inhibit the growth of spoilage bacteria during the manufacture,

storage and distribution of water-based suspension concentrates.

BIOBAN BP-40 Preservative may be dosed at or close to the end of

the manufacturing process in a quantity of the process water. If the

manufacturing process involves a heating stage, the BIOBAN BP-40

Preservative should be added after this stage when the product

cooled to below 40°C.

FREQUENCY AND DOSE. BIOBAN BP-40 Preservative should

be dosed at 200 to 1000 ppm based on the final formulation volume,

NET WT: 249.4 kg / 550 lb

LOT

64083EPA-00182329-9/5/2008-1702

CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.

(contains: 2-bromo-2-nitro-1,3 propanediol)

UN 3265

PG III

Apply Corrosive 8 label.

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