

464-685

1/17/2012

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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

JAN 17 2012

Attention: Abigail Trueblood
Regulatory Specialist

Subject: BIOBAN™ BP-30 Preservative
EPA Registration No. 464-685
Amendment Dated December 8, 2011

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

Proposed Amendment:

- Label Amendment to correct the Precautionary Statements.

General Comments:

A stamped copy of the "accepted" product labeling is enclosed for your records.

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

Sincerely,

A handwritten signature in cursive script that reads "Marshall Swindell".

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

Enclosure

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BIOBAN BP-30 Preservative
Final MASTER LABEL
December 7, 2011

BIOBAN™ BP-30 Preservative

Active Ingredient(s)
2-Bromo-2-nitropropane-1,3-diol . . . 30.0%
Inert Ingredient(s) 70.0%
Total 100.0%

E.P.A. Registration No. 464-685
E.P.A. Est. No. XXXX-XX-XX

ACCEPTED
with COMMENTS
EPA Letter Dated:

JAN 17 2012

Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended for the pesticide,
registered under EPA Reg. No. 464-685

KEEP OUT OF REACH OF CHILDREN

DANGER

FIRST AID

IF IN EYES	<ul style="list-style-type: none"> • Wash immediately and continuously with flowing water for at least 30 minutes. • Remove contact lenses after the first 5 minutes and continue washing. • Obtain prompt medical consultation, preferably from an ophthalmologist
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 do so by the 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, then 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 CASE 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

BIOBAN BP-30 Pre-Emulsive
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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 • PROLONGED OR FREQUENTLY REPEATED SKIN CONTACT MAY CAUSE ALLERGIC REACTION IN SOME INDIVIDUALS

Do not breathe vapor or spray mist • Do not get in eyes, on skin, or on clothing • Wear goggles and 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

Personal Protective Equipment

Applicators and other handlers must wear long-sleeve shirt and long pants, socks plus shoes, and chemical resistant gloves.

User Safety Requirements

Follow manufacturer's instruction for cleaning/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.

User Safety Recommendations

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 this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

Application Restrictions

Do not apply this product in a way that will contact workers or other persons.

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.

ACCEPTED
BOARD COMMENTS
EPA Label Waste
Date:

JAN 17 2012

Under the Federal Insecticide,
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STORAGE AND DISPOSAL

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

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended for the pesticide registered under EPA Reg. No. 464-685

Pesticide Storage: Keep away from heat.

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 of the nearest EPA Regional Office for guidance.

Container Disposal: Nonrefillable container. Do not reuse or refill this container. Triple rinse (or equivalent) promptly after emptying. Then offer container for recycling or reconditioning, or puncture and dispose in sanitary landfill, or by other procedures approved state and local authorities.

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

GENERAL USE DIRECTIONS To control the growth of slime-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-30 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-30 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.

INDUSTRIAL RECIRCULATING WATER COOLING TOWERS AND EVAPORATIVE CONDENSER

BIOBAN BP-30 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-30 PRESERVATIVE may be dosed once or twice weekly at 70-280 ml/cubic meter or 0.56-2.2 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 fouled systems, the tower should be drained and cleaned before treating with BIOBAN BP-30 PRESERVATIVE.

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INDUSTRIAL PROCESS WATER

For use in closed circuit machine cooling (injection molding, etc.) and stored (non-potable) water to reduce the biofouling of pipe work, 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 140 ml/cubic meter, or 1.1 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-30 Preservative at 100 ppm active ingredient, and a contact time of at least one hour.

OIL AND GAS FIELD FRACTURING WATER AND FLUIDS

For the reduction of bacterial contamination of fracturing gels and fluids utilized in the oil and gas fields. BIOBAN BP-30 Preservative may be added to the fracturing water storage tank, during the mixing of fracturing fluids, or to the well head immediately before the injection of fracturing fluids.

FREQUENCY AND DOSE: BIOBAN BP-30 Preservative should be added to the fracturing water storage tank as a slug dose once to two times per week, and should be used for each individual fracturing operation. Recommended use: 9-200 ppm (active ingredient).

OIL FIELD WATERFLOODING WATER AND FLUIDS

For the control of bacterial contaminants of injection water and fluids used in waterflood and enhanced oil recovery, add BIOBAN BP-30 Preservative to any base fluid or inject directly into the well head.

FREQUENCY AND DOSE: BIOBAN BP-30 preservative should be added as a slug dose once to two times per week or once per week to once per month for maintenance. Recommended use: 9-200 ppm (active ingredient).

OIL AND GAS FIELD PRODUCED WATER AND FLUIDS

For the reduction of bacterial contamination of formation water produced by wells in the oil and gas fields, BIOBAN BP-30 Preservative should be injected in single dose at any convenient point of the water-containing oil or gas stream, water-oil or water-gas separation, and produced water treatment.

FREQUENCY AND DOSE: BIOBAN BP-30 Preservative should be added as a slug dose once to three times per week depending on the severity of contamination. Recommended use: 67-200 ppm (active ingredient).

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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. Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide, registered under EPA Reg. No. 464-680

In diluted fluids, add 700-2800 ml/cubic meter or 0.7-2.8 gallon/1000gallon (250-1000 ppm active) to control microbial growth. For maintenance add 280-1120 ml/cubic meter or 0.28-1.1 gallon/1000gallon (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-30 Preservative may be incorporated in metal working fluid concentrate by the manufacturer who should ensure that any incompatibility will not affect efficacy.

ADHESIVES

For control of microbial contamination, add 0.34 to 3.4 lb of BIOBANBP-30 Preservative per 1000 lb total formulation weight. The addition is best accomplished by adding the product to any water to be incorporated into the formulation.

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 30 and 700 ml (0.06 and 1.5 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.

PAPER MILLS-BULK PULP

Add BIOBAN BP-30 Preservative directly into the hydro pulper, machine chest or stock chest.

Add BIOBAN BP-30 Preservative once weekly to once daily at between 150 and 560 ml per ton of stock or 1.1-4.4 pt/1000 gallons (50-200 ppm active ingredient) depending on the degree of contamination.

ABSORBENT CLAYS

For in-can preservation, impregnate absorbent clays, such as fullers earth, seplolite and attapulgite with BIOBAN BP-30 Preservative by spraying or pouring 7.0 to 56.0 ml/100 kg clay or 0.11-0.86 fl oz/100 lb of clay (25-200 ppm active ingredient).

PAINTS AND LATEX

For in-can preservation of acrylic, styrene-acrylic, polyvinyl acetate and other latex emulsion concentrates, latex emulsion based paints.

Add BIOBAN BP-30 Preservative at 70 to 1400 ml/cubic meter or 0.56-11.2 pt/1000 gallon based on the final formulation volume (25-500 ppm active ingredient).

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USES UNAPPROVED IN CALIFORNIA

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OIL AND GAS PIPELINE AND TANK MAINTENANCE

For use in water bottoms in crude and refined hydrocarbon storage tanks, piping and transportation systems.

Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide, registered under EPA Reg. No. 464-685

Inject BIOBAN BP-30 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-30 Preservative at 70-560 ml/cubic meter or 0.56-4.5 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.

MINERAL SLURRIES

For the control of microbial contamination in mineral slurries, the recommended se rates of BIOBAN BP-30 Preservative are 98-1400 mL/cubic meter or 0.78-11.2 pints/1000 gallons, based on the final formulation volume (35-500 ppm active ingredient).

WATER BASED INKS

To inhibit the growth of spoilage bacteria during the storage and use of water based inks. For in-can preservation, BIOBAN BP-30 Preservative should be dosed at 70-1400 mL/cubic meter or 0.56-11.2 pints/1000 gallons based on the final formulation volume (25-500 ppm active ingredient).

WATER BASED AGRICULTURAL PESTICIDE CONCENTRATES

For preservation, BIOBAN BP-30 Preservative should be dosed at 280 to 1400 ml/cubic meter or 2.2 to 11.2 pints/1000 gallons based on the final formulation volume (100 to 500 ppm active ingredient).

CONSUMER, HOUSEHOLD AND INSTITUTIONAL PRODUCTS

For the preservation of products including, but not limited to, all purpose cleaners, detergents, and wipes. BIOBAN BP-30 Preservative should be dosed at 70-1400 mL/cubic meter or 0.56 to 11.2 pints/ 1000 gallons based on the final formulation volume (25-500 ppm active ingredient).

INDUSTRIAL AND/OR COMMERCIAL AIR WASHERS

For the effective control of bacterial growth in air scrubbing units and to reduce built up slime deposits. Dosing should be carried out into the water pump of the scrubbing unit on a routine basis. Shock dosing is preferred. It is not necessary to dilute BIOBAN BP-30 Preservative concentrate prior to dosing. BIOBAN BP-30 Preservative can also be used as an intermittent flush treatment during regular maintenance/cleaning of the scrubbing unit.

FREQUENCY AND DOSE: Shock dosing should be carried out on a regular basis. Heavily fouled systems may require twice weekly treatment. Light to moderate contamination will require once weekly to once monthly additions. Dosing should be carried out to give an initial

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concentration of 167 ppm (0.53 liters / 1000 gallons). When the above treatment has been successful, dosing can be lowered to a minimum of 83 ppm (0.26 liters / 1000 gallons). For intermittent treatment of air scrubbing systems during routine maintenance/cleaning BIOBAN BP-30 Preservative should be used at 333 ppm (1.05 liters / 1000 gallons) and a contact time of at least one hour.

LIMITED WARRANTY AND DISCLAIMER

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 WITH RESPECT TO THE PRODUCT 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 *(used when manufactured by contract manufacturer)*

Dow Diamond TM
THE DOW CHEMICAL COMPANY
Midland, Michigan 48674
989-636-4400

TM Trademark of The Dow Chemical Company ("Dow") or an affiliated company of Dow

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