


48301-18

4-4-2001

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	U.S. ENVIRONMENTAL PROTECTION AGENCY Office of Pesticide Programs Registration Division (H7505C) 401 "M" St., S.W. Washington, D.C. 20460	EPA Reg. Number:	Date of Issuance:
		48301-18	APR 04 2001
		Term of Issuance: Conditional	
NOTICE OF PESTICIDE: <u> </u> Registration <u>X</u> Reregistration (under FIFRA, as amended)		Name of Pesticide Product: Bioban BNPD	
Name and Address of Registrant (include IP Code): Angus Chemical Company 1500 East Lake Cook Road Buffalo Grove, ILL 60089			
Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.			
On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act. Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others. Based on your response to the Reregistration Eligibility Document for Bronopol RED, EPA has reregistered the above named product subject to the comments recorded in the succeeding paragraph. This action is taken under the authority of section 4(g)(2)(C) of the Federal Insecticide, Fungicide, and Rodenticide Act, as amended. Reregistration under this section does not eliminate the need for continual reassessment of pesticides. EPA may require submission of data at any time to maintain the registration of your product. 1. Make the following label changes: a. Revise the EPA Registration No. to read "EPA Reg. No. 48301-18".			
Signature of Approving Official: Marshall Swindell, PM 33 Regulatory Management Branch 1 Antimicrobial Division (7510C)		Date: APR 04 2001	

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c. Revise the "First Aid" statements as follows:

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. Call a poison control center or doctor for treatment advice.

IF SWALLOWED:

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.

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 further treatment.

d. Revise the "Precautionary Statements" that appear under the subheading "Hazards to Humans and Domestic Animals" to read:

"Corrosive. Causes irreversible eye damage and skin burns. May be harmful if swallowed, absorbed through skin or inhaled. Do not get in eyes, on skin, or on clothing. Do not breathe dust. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. 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". Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

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- e. Include a "Physical and Chemical Hazards" heading and add either of the following statements:

"Do not store or mix the product with reducing agents.

OR

Avoid contact with metal equipment such as scoops, mills or sieves".

- f. In the Storage and Disposal section, include a subheading "Pesticide Storage" and include the phrase "Keep Away From Heat".

- g. A net contents field must be added to the label.

- g. As per the RED and acute toxicity review, the PPE must be modified to read:

Applicators and other handlers must wear:

- Coveralls over long-sleeved shirt and long pants
- Goggles and face shield
- Socks plus shoes
- Chemical resistant gloves
- Dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C), or a NIOSH approved respirator with any N, R, P, or HE prefilter.)

- h. As per the RED, the following must be added to the label:

"Do not apply by open pouring of liquid to cooling water systems; a metering pump delivery system is required for this use and application method".

- i. As per the RED, the following text in **Bold type** must be added to the label.

**Follow manufacturer's instructions for cleaning/maintaining PPE.
If 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.**

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If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

Submit two (2) copies of final printed labeling for our review. A stamped copy of the label is enclosed for your records.

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 1
Antimicrobial Division (7510C)

Enclosure

DRAFT LABEL

BIOBAN® BNPD
Antimicrobial Agent

ACCEPTED
with COMMENTS
in EPA Letter Dated:

APR 04 2001

Active Ingredient:

2-Bromo-2-nitropropane-1,3-diol

97.5%

Inert Ingredients:

Total

2.5%

100.0% by wt.

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

48301-18

KEEP OUT OF REACH OF CHILDREN

DANGER!

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMAN AND DOMESTIC ANIMALS

CORROSIVE: Causes irreversible eye damage and skin irritation. May be fatal if swallowed or absorbed through skin. Harmful if inhaled. May cause allergic skin reactions in certain individuals.

Do not get in eyes, on skin, or on clothing. Wear goggles or face shield and chemical resistant rubber when handling. Avoid breathing dust. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove contaminated clothing and wash before reuse. Users should remove clothing 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.

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

FIRST AID:

If in eye(s): Hold eyelids open and flush with a steady, gentle stream of water for 15 minutes.
 Get medical attention.

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

If swallowed: Call a doctor or get medical attention. Do not induce vomiting. Drink large quantities of water.

If inhaled: Remove victim to fresh air. Get medical attention.

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



ANGUS Chemical Company
1500 E. Lake Cook Road
Buffalo Grove, IL 60089 USA

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ACCEPTED
with COMMENTS
in EPA Letter Dated:

EPA Reg. No. 48301-18
EPA Est. No. 33753-EN-01

APR 04 2001
Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide,
registered under EPA Reg. No.
48301-18

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other water 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 sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

DIRECTIONS FOR USE

IT IS A VIOLATION OF FEDERAL LAW TO USE THIS
PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal. 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 at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL

Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment. Dispose of liner in a sanitary landfill, or by incineration, if allowed by State and local authorities. If burned, stay out of smoke.

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 California.

BIOBAN® BNPD can be dosed directly or by preparing a stock solution immediately prior to application either by open pouring (not cooling water treatment) or by metered pump.

For product preservation BIOBAN BNPD is best added after any heating stage or when the product has cooled below 40°C.

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**ACCEPTED
with COMMENTS
in EPA Letter Dated:**

APR 04 2001

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

48301-18

USE IN METALWORKING FLUID

BIOBAN BNPD is recommended for use in soluble oils, semi-synthetic, and synthetic fluids. It should be added directly to the sump (with agitation) or pre-dissolved in water and added as a solution. A dose of 250 ppm is recommended for initial treatment, higher levels up to 1,000 ppm, but no greater for fouled systems. After addition of BIOBAN BNPD, the system should be circulated for about one hour before shut-down.

In Diluted Fluids: A concentration of 250 to 1,000 ppm of BIOBAN BNPD in the fluid is sufficient to control gross microbial growth. For example, add 0.5 lb. of BIOBAN BNPD to 1,000 lb. of fluid to obtain a dose level of 500 ppm in the fluid.

Maintenance Dosage: Add 100-200 ppm of BIOBAN BNPD to maintain control of the system.

In Concentrates: BIOBAN BNPD may be incorporated in metalworking fluid concentrate by the manufacturer. However, the manufacturer should determine the storage stability of BIOBAN BNPD in the concentrate to ensure that incompatibility will not affect its efficacy. The amount to be incorporated will depend on the dilution factor recommended for the concentration.

USE IN ADHESIVES

For control of microbial contamination, add 0.1-0.5 lb. BIOBAN BNPD per 100 lb. total formulation weight. The addition is best accomplished by pre-dissolving the BIOBAN BNPD in any water to be incorporated into the formulation.

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