

48301-9

10/04/2000

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U.S. ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs  
Registration Division (7504C)  
401 "M" St., S.W.  
Washington, D.C. 20460

EPA Reg.  
Number:

48301-9

Date of Issuance:

OCT 04 2000

## NOTICE OF PESTICIDE:

Registration  
X Reregistration

(under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product:

Bioban 2000

Name and Address of Registrant (include ZIP Code):

Angus Chemical Company  
1500 E. Cook Road  
Buffalo Grove, Illinois 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, 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.

Make the following labeling changes before you release the product for shipment:

- a. Revise the EPA Registration Number to read, "EPA Reg. No. 48301-9".
- b. Place the appropriate EPA Establishment No. on the product labeling.

Signature of Approving Official:

Marshall Swindell, Product Manager 33,  
RMBI, AD

Date:

OCT 04 2000

- c. Place the telephone number on the front panel near the product name.
- d. Place the Ingredient Statement after the identification numbers but before the KOROC statement.
- e. In addition to the signal word *DANGER* the word *PELIGRO* must be added to the label.
- f. Revise the subheading, *Statement of Practical Treatment* to read *First Aid*.
- g. Revise the *First Aid* statements to read 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 ON SKIN: Take off contaminated clothing.

OR CLOTHING: Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

IF SWALLOWED: Call a Poison Control Center or doctor for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told by a Poison Control Center or doctor. Do not give anything by mouth to an unconscious person.

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 advice.

- h. Include the following statements and information near the *First Aid* statements to read as follows:

In case of emergency for additional information call toll free (Telephone Number).

Have the product container or label with you when calling a poison control center or doctor or going for treatment.

- I. Revise the *Hazards to Humans and Domestic Animals* section to read as follows:

DANGER

Corrosive. Causes irreversible eye damage or skin burns. Maybe fatal if absorbed through skin. Harmful if swallowed. Do not get in eyes, on skin, or on clothing. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals. Remove contaminated clothing and wash before reuse.

- j. Revise the *NOTE TO PHYSICIAN* section to include the following:

- technical information on symptomatology
- use of supportive treatment to maintain life functions
- medicine that will counteract the specific physiological effects of pesticide;
- company telephone number to specific medical personnel who can provide specialized medical advice.

- k. Place the subheading, *PPE*, directly below the *Hazards to Humans and Domestic Animals* section to read as follows:

Personal Protective Equipment (PPE)

Mixers, loaders, and other exposed to *Methylisothiazolinone* must wear:

1. Coveralls over long-sleeved shirt and long pants.
2. Socks and chemical resistant footwear
3. Goggles or face shield
4. Chemical-resistant apron
5. Chemical-resistant gloves (such as made out of any water proof material)

- l. Place the subheading, *User Safety Requirements* section directly below the *PPE* section to read as follows:

Follow manufacturer's instructions for cleaning/maintaining PPE.

If there are no such instructions for washables, use detergent and hot water.

Keep and wash PPE separately from other laundry.

- m. Revise the following statement, *This product may cause skin sensitization reaction in some people*, to read **Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals** and place it under the *Hazards to Humans and Domestic Animals* section.

- n. Add a User Safety Recommendation section to read as follows:

#### USER SAFETY RECOMMENDATIONS

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

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 the gloves before removing.

As soon as possible, wash thoroughly and change into clean clothing.

- o. Place the Environmental Hazards section directly below the *User Safety Recommendations* section.
- p. Place the subheading *Physical and Chemical Hazards* directly below the *Environmental Hazards* section to read as follows:

This product is corrosive to mild steel.

This product as supplied evolves gas.....contents through the vent.

- q. Revise the Storage and Disposal section to read as follows:

#### STORAGE AND DISPOSAL:

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

#### PESTICIDE STORAGE:

Do not store or transport in unlined metal containers

#### PESTICIDE DISPOSAL:

Pesticide wastes are acutely hazardous. Improper..... EPA Regional Office for Guidance.

#### CONTAINER DISPOSAL:

METAL CONTAINERS: Triple rinse.....and local authorities

PLASTIC CONTAINERS: Triple rinse.....stay out of smoke.

#### GENERAL.....APPROVED ALTERNATIVE PROCEDURES.

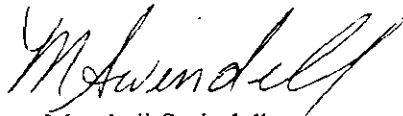
- r. Place the *Storage and Disposal* section directly below the *misuse* statement.

- s. The use of the phrase .....assume no responsibility in the sentence **Angus Chemical Company assumes no responsibility.....**should be avoided or qualified in such a way to make it clear that **Angus Chemical Company** is not meant to be a statement of the law.
3. Submit two copies of the revised final printed label for the record.

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.

A stamped copy of the label is enclosed for your records.

Sincerely,



Marshall Swindell  
Product Manager 33  
Regulatory Management Branch I  
Antimicrobial Division(7505C)

# BIOBAN® 2000

## INDUSTRIAL MICROBICIDE FOR USE IN METALWORKING FLUIDS

### ACTIVE INGREDIENTS:

5-Chloro-2-Methyl-4-Isothiazolin-3-One ..... 1.11%

2-Methyl-4-Isothiazolin-3-One ..... 0.39%

INERT INGREDIENTS ..... 98.5%

TOTAL 100%

KEEP OUT OF REACH OF CHILDREN

**DANGER**

### STATEMENT OF PRACTICAL TREATMENT

**IF IN EYES:** Flush with plenty of water for at least 15 minutes. Call a physician.

**IF ON SKIN:** Wash thoroughly with soap and water. Remove and wash contaminated clothing before reuse.

**IF SWALLOWED:** Do not induce vomiting. Drink promptly a large quantity of egg whites, or gelatin solution, or if these are not available, drink large quantities of water; avoid alcohol. Call a physician immediately. Never give anything by mouth to an unconscious person.

**IF INHALED:** Remove immediately to fresh air. If not breathing apply artificial respiration. If breathing is difficult, give oxygen. Call a physician.

### NOTE TO PHYSICIAN

Probable mucosal damage may contraindicate the use of gastric lavage.

SEE SIDE PANEL FOR ADDITIONAL  
PRECAUTIONS AND OTHER INFORMATION

ANGUS Chemical Company assumes no responsibility when this product is not used in accordance with the instructions and information contained on this label.

### PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**CORROSIVE: CAUSES EYE DAMAGE AND SKIN BURNS  
MAY CAUSE ALLERGIC SKIN REACTION  
HARMFUL IF SWALLOWED  
HARMFUL IF INHALED**

Do not get in eyes, on skin, or on clothing. Mixers, loaders and others exposed to this product must wear: long-sleeved shirt and long pants; chemical resistant gloves such as nitrile or butyl rubber; shoes plus socks; goggles and face shield; and chemical resistant apron. Discard clothing or other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning / maintaining PPE. If no such instruction for washables exists, use detergent and hot water. Keep and wash PPE separately from other laundry. Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. 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. As soon as possible, wash thoroughly. This product may cause skin sensitization reactions in some people.

### ENVIRONMENTAL HAZARDS

This chemical is toxic to terrestrial and aquatic plants, 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 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. Apply this pesticide only as specified on this label.

EPA Reg. No. 48301-9  
EPA Est. No. 48301-LA-001

Printed in U.S.A.

**ANGUS®**

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

### DIRECTIONS FOR USE

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

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

### STORAGE AND DISPOSAL

#### PROHIBITIONS

This product is corrosive to mild steel. Do not store or transport in unlined metal containers. Do not contaminate food or feed by storage, disposal, or cleaning of equipment.

#### PESTICIDE DISPOSAL

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide 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.

#### PLASTIC CONTAINERS

Triple rinse (or equivalent). Then offer for recycling or reconditioning 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.

#### GENERAL

CONSULT FEDERAL, STATE, OR LOCAL DISPOSAL AUTHORITIES FOR APPROVED ALTERNATIVE PROCEDURES.

#### METALWORKING FLUIDS

BIOBAN 2000 is recommended for the control of bacteria and fungi in soluble and emulsifiable type aqueous metalworking fluids. Such as emulsified petroleum oils, and formulations containing alcoholic fatty acid. Sulfonated red oil, or naphthalene sulfonate. These fluids are usually prepared for use by diluting the product concentrates 1:40 to 1:60 with water.

For the maintenance of a nonfouled system. Use BIOBAN 2000 at 32 fl. oz. (2 lb) per 1000 gallons of emulsion every 4 weeks (250 ppm BIOBAN 2000). For a noticeably fouled system use an initial dose of 64-154 fl. oz. (4-10 lb) per 1000 gallons emulsion, followed by subsequent maintenance dosages. The higher dosage range and or increased frequency of treatment may be required depending upon rate of dilution of the preservative with makeup fluid. The nature and severity of contamination, level of control required, filtration effectiveness, system design, etc.

The preservative should be dispensed into the dilution of the metalworking fluid using a metering pump. BIOBAN 2000 weighs 8.4 lb per gallon.

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

OCT 04 2000

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

48301-9

Manufactured in Germany.