

June 3, 2003

Mr. Allen F. Bollmier
Regulatory Specialist
The Dow Chemical Company.
1803 Building
Midland, MI 48674

Subject: **BIOBAN BNS 25% AF Industrial Preservative**
EPA Registration Number 464-683
Application March 7, 2003

Dear Mr. Bollmeier:

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

Proposed Amendment

- Revised labeling (PR Notice 2001-1)

General Comments:

1. The Storage and Disposal statements format must be revised to read as follows:

STORAGE AND DISPOSAL

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

"PESTICIDE STORAGE: Store the product (You must include the storage information)

"PESTICIDE DISPOSAL: Pesticide wastes are ..Regional Office for guidance."

"CONTAINER DISPOSAL: Triples ~~containers~~ local authorities."

SYMBOL							
SURNAME							
DATE							

"BULK CONTAINERS (Tote Tanks): Do not rinse ... purchase for full refund".

Refer to PR Notice 83-3 for detailed information and appropriate format.

- 2. The precaution statement must be revised to read as follows:

**PRECAUTIONARY STATEMENT
HAZARD TO HUMANS AND DOMESTIC ANIMALS
DANGER**

Other Comments:

A stamped copy of the accepted labeling is enclosed. Submit three (3) copies of your final printed labeling before distributing or selling the product.

Should you have any questions or comments concerning this letter, please contact me at (703) 308-6422 or Drusilla Copeland at (703) 308-6224.

Sincerely,

for Drusilla Copeland

Adam Heyward
 Product Manager (34)
 Regulatory Management Branch II
 Antimicrobials Division (7510C)

Enclosure

BIOBAN[®] BNS 25%-AF

INDUSTRIAL PRESERVATIVE

R-10713

ACTIVE INGREDIENT:	
<i>β</i> -Bromo- <i>β</i> -Nitrostyrene	25.0%
INERT INGREDIENTS:	
	75.0%
TOTAL 100.0%	

KEEP OUT OF REACH OF CHILDREN!
DANGER!

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Corrosive: Do not get in eyes, on skin, or on clothing.
Harmful or fatal if swallowed or absorbed through skin.
Causes eye burns and skin irritation.
Avoid breathing vapor or mist. Use with adequate ventilation.
Wear rubber gloves and goggles or face shield when handling.
Wash thoroughly with soap and water after handling.
Remove contaminated clothing and wash before reuse.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and aquatic organisms. 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.

PHYSICAL AND CHEMICAL HAZARDS

Do not use, pour or store near heat or open flames.

FIRST AID:

If in eyes: Hold eyes open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first five minutes, then continue rinsing eyes. Call a poison control center or doctor for treatment advice.

If swallowed: Call a poison control center or doctor immediately or 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. Do not give anything by mouth to an unconscious person.

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.
Note to physician: Probable mucosal damage may contraindicate the use of gastric lavage. Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

ACCEPTED
with COMMENTS
EPA Letter Dated:

JUN - 3 2003

EPA Reg. No. 464-683
EPA Est. No. 464-MI-001

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

DIRECTIONS FOR USE

It is a violation of Federal law to use this product with its labeling.
FOR MANUFACTURING OR REFORMULATION
Only For Formulation into An Industrial Preservative Use(s): Secondary and Tertiary Oil Recovery Drilling Muds and Packer Fluids, Latex Emulsions, and Dye Dispersions; (2) Has Accepted The Required Data and/or Citations Has Submitted in Support of Registration; Purposes That Are in Compliance with US

For Microbial Growth Control in Latex Emulsions, Lubricant Emulsions and Dye Dispersions

Bioban BNS 25%-AF will effectively control bacteria and fungi in aqueous systems. It should be applied at a level of 1000ppm by weight of the system to be treated or diluted with a co-solvent such as isopropyl myristate. It is not inactivated by surfactants or high concentration of oils.

Packer Fluids and Drilling Muds

Bioban BNS 25%-AF should be applied directly to muds at a level of 50 to 500 lb per 1000 barrels of mud, depending upon the severity of the problem. For Secondary and Tertiary Oil Recovery Systems: For controlling slime-forming and sulfide-producing fungi in oil field water, polymer or mycellar water and/or other oil field water systems, drilling

Bioban BNS 25%-AF should be added to the system continuously or intermittently, depending upon the severity of the problem. Badly fouled systems must be cleaned before treatment.

Intermittent Method of Usage

For noticeably fouled systems, the initial dose is 1000 barrels of water or 150 to 300 parts per million for 8 hours per day and from 1 to 4 times per week. After that, use 10 to 50 lb to 1000 barrels of water every 2 to 3 days to maintain control.

Continuous Feed Method

Use the same levels as above initially for 8 hours per day, then reduce the level to continuously feed into the system at 10 to 150 parts per million.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited. Do not reuse or reuse of containers. Pesticide or rinsate that cannot be used or cannot be disposed of in a landfill approved for pesticide waste should be triple rinsed or destroyed by perforation or crushing. Triple rinse the container or equivalent before reuse or destroying by perforation or crushing. Contact your local authorities for approved alternative procedures.



THE DOW CHEMICAL COMPANY
Midland, Michigan 48674 U.S.A.

12001300-1400

464-683