

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:

48301-8

APR 0 4 2001

NOTICE OF PESTICIDE:

Registration X Reregistration

(under FIFRA, as amended)

Name of Pesticide Product:

BIOBAN CS-1135

Term of Issuance: Conditional

Name and Address of Registrant (include ZIP Code):

Angus Chemical Company 1500 East Lake Cook Road uffalo Grove, IL 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 the 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 4,4 Dimethyloxazolidine RED, EPA has reregistered the above name 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 Number to read "EPA Reg. No. 48301-8".

Signature of Approving Official:

Marshall Swindell, PM 33

MLesundel Regulatory Management Branch 1

Antimicrobial Division (7510W)

APR 0.4 2001

EPA Form 8570-6

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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

BIOBAN° CS-1135

FOR CONTROL OF BACTERIA IN AQUEOUS SYSTEMS

in EPA Letter Dated

APR 0 4 2001

ACTIVE INGREDIENTS:

Under the Federal Insecticide,

4. 4-Dimethyloxazolidine . Pungicide, and Rodenticide Act as ... **INERT INGREDIENTS**

24.0%

registered under EPA Reg. No.

TOTAL 100%

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS KEEP OUT OF REACH OF CHILDREN

DANGER!

CAUSES IRREVERSIBLE EYE DAMAGE AND SKIN IRRI-TATION. HARMFUL IF SWALLOWED, ABSORBED THROUGH SKIN OR INHALED. COMBUSTIBLE LIQUID

Do not get in eyes, on skin, on clothing. Avoid breathing vapor or spray mist. Wear googles or face shield and chemical resistant rubber gloves when handling. Wash thoroughly with soap and water immediately after handling. Remove contaminated clothing and wash before reuse. Remove personal protective equipment and launder or otherwise decontaminate it immediately after use. Do not use or store near heat or open flame.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and wildfile. 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.

FURST 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. Call a poison control center or doctor for treatment advises.

IF SWALLOWED: Call a poison control center immediately for treatment advice. Have person slo a plass of water if able to swallow. Do not induce vomiting unless told by 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 advice.

NOTE TO PHYSICIAN

Probable mucosal damage may contraindicate the use of pastric layage. Measures against circulatory shock, respiratory decression, and con-

> SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONS AND OTHER INFORMATION

EPA Reg. No. 48301-8

A-12P

EPA Est. No. 48301-LA-01 Printed in U.S.A.

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

FOR HELP IN EMERGENCY CALL (979) 238-2112



STORAGE AND DISPOSAL

PESTICIDE DISPOSAL

Pesticide wastes are toxic. 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.

Triple rinse (or equivalent). Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill, or by other procedures approved by 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.

USE IN PAINTS, INKS, AND EMULSIONS

BIOBAN CS-1135 is effective as a preservative in water-containing systems, such as latex paints and rinks and resin emulsions, at a concentration of 0.1 to 0.5 lb per 100 lb total formulation weight

BIOBAN CS-1135 may be added at any point to the manufacturing cycle. The recommended rate for preservation of toks and latex paints. is 0.1 to 0.2 lb per 100 to of the formulation. The recommended rate for preservation of resin emulsions is approximately 0.2 lb per 100. to of the formulation.

USE IN ADHESIVES (NON-FOOD CONTACT)

For control of microbial contamination, add 0.1 to 0.5 lb of BIOBAN CS-1135 per 100 lb total formulation weight.

USE IN OILFIELD WATER SYSTEMS

For controlling aerobic slime-forming bacteria (Pseudomonas sp.) or iron-oxidizing bacteria (Gallionella sp.) and anaerobic sulfate-reducing bacteria (Desulionibrio desultaricans) in citifeld water systems, such as subsurface injection water, add 5-150 ppm of BIOBAN CS-1135 depending on the severity of the contamination. Additions should be made with a metering pump at the free water knockouts before or after the injection ournes and injection well headers.

Continuous-feed method: if the system is noticeably fouled, add 29-150 ppm BIOBAN CS-1135 (1.7-12.8 gai per 2000 barrels of water) continuously until the desired degree of control is achieved. Subsequently, treat with 5-150 ppm BIOBAN CS-1135 (0.43-12.8 gai per 2000 barrels of water) continuously as needed to maintain control.

Intermittent or slug method: If the system is noticeably touled, or to maintain control of the system, add 20-150 ppm BIOBAN CS-1135

(1,7-12.8 gal per 2000 barrels of water) intermittently for 2-8 hours per day on from 1-4 days per week, depending on the severity of contamination.

USE IN METALWORKING FLUIDS

in Diluted Finite: A concentration of 1000-2000 poin of BIOBAN CS 1135 is sufficient to control gross microbial prowth, Add 1.8 to 2.6 pints of BIOBAN CS-1135 per each 100 gallons of fluid.

Maintenance Bosage: Add 250-500 ppm BIODAN CS-1135 weakly as required to maintain control of the system. The addition of 8 sunces (1 cup) of BIOBAN CS-1135 to each 100 pallons of fluid will provide 500 ppm concentration.

In concentrates: BIOBAN CS-1135 may be incorporated in metalworking Iluid concentrate by the manufacturer, BIOBAN CS-1135 normally will be stable in concentrates as long as the pH is maintained above 6. However, long-term stability studies should be carried out by the manufacturer on his specific formulations to ensure that the concentrate does not contain ingredients incompatible with BIOBAN CS-1 135 stability. The amount to be incorporated will depend on the idiation factor recommended to be used when the concentrate is distract for use. For efficient bacteriostatic activity, a concentration of 1000 to 2000 ppm of BIOBAN CS-1135 in the distract fluid is suggested.

FOR USE IN PRESERVING DRILLING MUDS AND WORKOVER AND COMPLETION FLUIDS

Determine the volume of BIOBAN CS-1135 necessary to provide a concentration of 500-1000 ppm by weight of BIOBAN CS-1135 in the drilling mud system, workover and completion fluid. For example 21-42 gallons of BIOBAN CS-1135 per each 1000 barrels of drilling mud

As the system circulates, add the BIOBAN CS-1135 in a thin stream.

Add additional BIOBAN CS-1135 to the system to maintain the proper concentration as the total volume of the system increases,

USE IN DIE-CAST LUBRICANTS AND MOLD-RELEASE AGENTS

To control the growth of microorganisms in fluids used as lubricants in metal die-cast applications and mold-release agents used in the manufacture of plastics.

In Diluted Fluids: A concentration of 1000-2000 ppm BIOBAN CS-1135 is sufficient to control gross microbial growth, Add 1.0 to 2.0 pints of BIOBAN CS-1135 to each 100 gallons of fluid.

Maintenance Dosage: Add 250-500 ppm BIOBAN CS-1135 weekly as required to maintain control of the system. The addition of # sunces (1 cup) of BIOBAN CS-1135 per each 100 gallons of fluid will provide a 500 ppm concentration.

In concentrates: BIOBAN CS-1135 may be incorporated in fluid concentrate by the manufacturer. BIOBAN CS-1135 normally will be stable in concentrates as long as the pH is maintained above 6. However, long-term stability studies should be carried out by the manufacturer on his specific formulations to ensure that the concentrate does not contain ingredients incompatible with BIOBAN CS-1135 stability. The amount to be incorporated will depend on the dilution factor recommended to be used when the concentrate is diluted for use. For efficient bacteriostatic activity, a concentration of 1000 to 2000 apm of BIOBAN CS-1135 in the diluted fluid is suggested.

CONSUMER, HOUSEHOLD AND INSTITUTIONAL PRODUCTS

To inhibit bacterial spoilage during the production and shelf-life storage and use of consumer, household and institutional products including dishwashing liquids, surface cleaners, laundry cleaners and polishes. Dose at 0.04 to 0.2 to per 100 to (400-2000 ppm), Not for use where contact with food will occur.

MINERAL SLURRIES

For the control of microbial contamination in mineral sturries add 0.04 to 0.2th per 100 lb sturry (400-2000 ppm) Bioban CS-1135.

To inhibit bacterial spoitage during shelf-life storage and the use of bulk anionic, nonionic amphoteric and cationic sufactants when supplied for the manufacture of industrial and consumer products. Bioban CS-1135 should be dosed at 0.04-0.2 lb per 100 lb based on the final formulation volume.