

Approved
with EPA
in 1977
DEC 12 1990

BIOBAN® CS-1135

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48301-8

PRESERVATIVE

ACTIVE INGREDIENTS

4, 4-Dimethyloxazolidine 26.0% 73.7

INERT INGREDIENTS: 24.0% 22.7

TOTAL 100%

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER!

CAUSES EYE DAMAGE AND SKIN IRRITATION.
HARMFUL IF INHALED OR SWALLOWED.
COMBUSTIBLE LIQUID.

Do not get in eyes, on skin, on clothing. Wear goggles or face shield and rubber gloves when handling. Wash thoroughly after handling. Avoid breathing vapor or mist. Avoid contamination of food. Do not take internally. Do not use or store near heat or open flame.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and wildlife. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or public waters unless in accordance with the appropriate NPDES permit. 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. Do not contaminate water by cleaning of equipment or disposal of wastes.

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

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. Discard contaminated shoes.

IF SWALLOWED: Drink promptly a large quantity of milk, egg whites, or gelatin solution, if these are not available, drink large quantities of water, avoid alcohol. Call a physician immediately.

NOTE TO PHYSICIAN

Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression, and convulsions may be needed.

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONS AND OTHER INFORMATION

EPA Reg No 48301-8
EPA Est No 48301-LA-01

A-12D
Printed in U.S.A.



ANGUS Chemical Company
2211 Sanders Road
Northbrook, IL 60062 U.S.A.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner

PESTICIDE DISPOSAL

Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture or other wastes cannot be disposed of by use according to label instructions, contact Control Agency, or the Hazardous Waste representative at the nearest EPA Region.

CONTAINER DISPOSAL

Triple rinse (or equivalent). Then offer for recycling or reconditioning or puncture by other procedures approved by state and local authorities.

USE IN PAINTS, INKS, AND EMULSIONS

BIOBAN CS-1135 is effective as a preservative in water-containing systems, such as latex paint, at a concentration of 0.1 to 0.5 lb per 1000 lb total formulation weight.

BIOBAN CS-1135 may be added at any point in the manufacturing cycle. The recommended rate for latex paint is 0.1 to 0.2 lb per 100 lb of the formulation. The recommended rate for other systems is approximately 0.2 lb per 100 lb 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

USE IN OILFIELD WATER SYSTEMS

For controlling aerobic slime-forming bacteria (*Pseudomonas* sp.) or iron-oxidizing sulfate-reducing bacteria (*Desulfovibrio desulfuricans*) in oilfield water systems, add 5-150 ppm BIOBAN CS-1135 depending on the severity of the contamination. Add pump at the free water knockouts before or after the injection pumps and injectors.

Continuous-feed method: If the system is noticeably fouled, add 20-150 ppm BIOBAN CS-1135 (of water) continuously until the desired degree of control is achieved. Subsequently add 0.43-12.8 gal per 2000 barrels of water continuously as needed to maintain control.

Intermittent or slug method: If the system is noticeably fouled, or to maintain control, add BIOBAN CS-1135 (1.7-12.8 gal per 2000 barrels of water) intermittently for 2-8 hours depending on the severity of contamination.

USE IN METALWORKING FLUIDS

In Diluted Fluids: A concentration of 1000-2000 ppm BIOBAN CS-1135 is sufficient. 1.0 to 2.0 pints of BIOBAN CS-1135 per each 100 gallons of fluid.

Maintenance Dosage: Add 250-500 ppm BIOBAN CS-1135 weekly as required to maintain control. 8 ounces (1 cup) of BIOBAN CS-1135 to each 100 gallons of fluid will provide a maintenance dosage.

In concentrates: BIOBAN CS-1135 may be incorporated in metalworking fluid concentrates. CS-1135 normally will be stable in concentrates as long as the pH is maintained above 7.0. Should be carried out by the manufacturer on his specific formulations to ensure compatibility with BIOBAN CS-1135 stability. The amount to be incorporated is recommended to be used when the concentrate is diluted for use. For efficient bacterial control, 1000 to 2000 ppm of BIOBAN CS-1135 in the diluted fluid is suggested.

FOR USE IN PRESERVING DRILLING MUDS AND WORKOVER FLUIDS

Determine the volume of BIOBAN CS-1135 necessary to provide a concentration of 21-1000 ppm in the drilling mud system, workover and completion fluid. For example, 21-1000 barrels of drilling mud provides this concentration.

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.

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NOTE: Changes in labeling formula 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 all correspondence on this product always refer to the above U.S. 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.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an indorsement or approval of this product by this 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.

1. Product is conditionally registered in accordance with FIFRA section 2(b)(7)(B) of the Act.

2. Provide all data required for registration/reregistration of your product in accordance with 40 CFR 155.101(a) when the Agency requests all data for registration/reregistration of your product.

3. List the labeling changes listed below that you release for shipment:

- a. Delete the phrase "EPA Registration No. 47271-1-2."
- b. Delete the phrase "EPA, an acronym, or Latin translation" from the label.
- c. Add "Directions for Use" to the label and add the phrase "Use as a Disinfectant, Sanitizer, Fungicide, and Insecticide."

4. Submit five (5) copies of your final printed labeling when you release the product for shipment. Refer to the A-70 enclosure for a further description of final printed labeling.

BEST AVAILABLE COPY


ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL

DATE

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 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.


John H. Lee
Product Manager (31)
Antimicrobial Program Branch
Registration Division (H7505C)

Enclosures

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