

2023-1679
23-08-03

AQUCAR™ DB 100 WATER TREATMENT MICROBIOCIDE

**An antimicrobial to control bacteria, fungi and yeasts in paper mills. For control
of bacteria in cooling towers and oil recovery operations.**

INDUSTRIAL

DANGER [Corrosive symbol] CORROSIVE

**DANGER [Poison symbol] POISON
POTENTIAL SKIN SENSITIZER**

ACTIVE INGREDIENT: 2,2-Dibromo-3-nitrilopropionamide...97.6%

REGISTRATION No. 27896

PEST CONTROL PRODUCTS ACT

READ THE LABEL BEFORE USING

LANXESS Corporation
111 RIDC Park West Drive
Pittsburgh, PA 15275-1112
1-800-LANXESS

KEEP OUT OF REACH OF CHILDREN

NET CONTENTS: 25 kg (55 lb)

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EMERGENCY TELEPHONE NUMBERS

TRANSPORTATION EMERGENCIES ONLY:

CANUTEC (Canada): 1-613-996-6666

CHEMTREC: 1-800-424-9300 (USA); 1-703-527-3887 (International)

ALL OTHER EMERGENCIES:

LANXESS: 1-800-410-3063 (USA); 1-866-673-6350 (Canada)

PRECAUTIONS

DANGER • CAUSES SEVERE BURNS OF EYES • EYE CONTACT MAY CAUSE LOSS OF VISION • MAY BURN SKIN • MAY BE HARMFUL OR FATAL IF SWALLOWED • POTENTIAL SKIN SENSITIZER

Do not get in eyes, on skin, or on clothing. Chemical worker's goggles must be worn when handling. Wear a long-sleeved shirt, long pants, shoes plus socks, chemical-resistant gloves, chemical-resistant apron, and a full-face NIOSH –approved respirator when handling. Wash thoroughly after handling. Avoid breathing dust. Use with adequate ventilation. Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Users should remove clothing immediately if pesticide comes in contact with skin through soaked clothing or spills. Then wash skin thoroughly and put on clean clothing. Wash contaminated clothing separate from other laundry prior to reuse. Users should remove protective clothing immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

FIRST AID

In case of eye contact: Hold eye open and rinse slowly and gently with water for 30 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control centre or doctor for treatment advice.

In case of skin contact: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15–20 minutes. Call a poison control centre or doctor for treatment advice.

If swallowed: Call a poison control centre or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person.

Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

TOXICOLOGICAL INFORMATION

Treat symptomatically.

DO NOT SHIP OR STORE WITH FOOD, FEEDS, DRUGS, OR CLOTHING

ENVIRONMENTAL HAZARDS

This product is toxic to fish and other aquatic organisms. It is not to be used in circumstances that would cause or allow it to enter lakes, streams, ponds, estuaries, oceans or other waters in contravention of federal or provincial regulatory requirements. The requirements of applicable laws should be determined before using this product. Do not discharge effluent containing this product into sewer

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systems without previously notifying the local sewage treatment plant authority.

DIRECTIONS FOR USE

NOTE: ADD SOLUTIONS OF AQUICAR™ DB 100 WATER TREATMENT MICROBIOCIDES SEPARATELY TO THE SYSTEM. DO NOT MIX THEM WITH OTHER ADDITIVES, IN ORDER TO AVOID DECOMPOSITION OF AQUICAR™ DB 100 WATER TREATMENT MICROBIOCIDES DUE TO THE HIGH pH OF MANY ADDITIVE FORMULATIONS.

PAPER MILLS : For the control of bacterial, fungal, and yeast growths in pulp, paper, and paperboard mills, add a solution of Aquicar™ DB 100 Water Treatment Microbiocide at the rate of 15-50 gm Aquicar™ DB 100 Water Treatment Microbiocide/tonne of pulp or paper (dry basis). Addition may be continuous or intermittent, depending upon the type of system and the severity of contamination. It should be made with a metering pump at a location that will insure uniform distribution of Aquicar™ DB 100 Water Treatment Microbiocide in the mass of fiber and water, such as the beaters, Jordan inlet or discharge, broke chests, furnish chests, save-alls, and white-water tanks.

HEAVILY FOULED SYSTEMS should be boiled out, then treated with 15-35 gm Aquicar™ DB 100 Water Treatment Microbiocide/tonne of paper (dry basis), as necessary for control.

MODERATELY FOULED SYSTEMS should be treated continuously with 35-50 gm Aquicar™ DB 100 Water Treatment Microbiocide/tonne of paper (dry basis) until the slime accumulation is controlled. Addition rates can then be reduced to 15-35 gm Aquicar™ DB 100 Water Treatment Microbiocide /tonne of paper on a continuous or intermittent basis, as needed for control. Dislodged slime may cause breaks in the paper and a clean-up of the paper machine may be advisable.

SLIGHTLY FOULED SYSTEMS should be treated continuously with 15-35 gm Aquicar™ DB 100 Water Treatment Microbiocide/tonne of paper (dry basis) until the slime is controlled, then added on an intermittent basis to maintain control.

INDUSTRIAL RECIRCULATING WATER COOLING TOWERS

This product is for recirculating water systems only.

For control of bacterial growths in the cooling towers, add solutions of Aquicar™ DB 100 Water Treatment Microbiocide to the basin (or at any other point of uniform mixing). Add 0.24-2.4 gm Aquicar™ DB 100 Water Treatment Microbiocide/1000L of water in the system, depending on the severity of contamination. Addition should be made with a metering pump; it may be continuous or intermittent, depending on the severity of the contamination when treatment is begun, and the retention time in the system.

INTERMITTENT OR SLUG METHOD: INITIAL DOSE: When the system is noticeably fouled, add 1.2-2.4 gm Aquicar™ DB 100 Water Treatment Microbiocide/1000L of water in the system. Repeat until control is achieved.

SUBSEQUENT DOSES: When microbial control is evident, add 0.6-2.4 gm Aquicar™ DB 100 Water Treatment Microbiocide/1000L of water in the system every 4 days, or as needed to maintain control. **BADLY FOULED SYSTEMS** must be cleaned before treatment is begun.

CONTINUOUS FEED METHOD: INITIAL DOSE: When the system is noticeably fouled, add 1.2-2.4 gm of Aquacar TM DB 100 Water Treatment Microbiocide/1000L of water in the system. Subsequently, maintain this treatment level by pumping a continuous feed of 0.12-1.2 gm Aquacar TM DB 100 Water Treatment Microbiocide/1000L of water lost by blowdown. **BADLY FOULED SYSTEMS** must be cleaned before treatment is begun.

Optimum performance with this product is attained by continuous or intermittent treatment. If “shock” treatment is used, the blowdown should be discontinued for 24-48 hours.

OIL FIELD APPLICATION :

For reduction of bacterial contamination and degradation in oil recovery operations, add Aquacar TM DB 100 Water Treatment Microbiocide to the system at a rate of 0.2 to 16 ppm.

FRACTURING FLUIDS: Aquacar TM DB 100 Water Treatment Microbiocide reduces bacterial contamination and degradation of fracturing fluids and gels used in oil and gas well stimulations. Aquacar TM DB 100 Water Treatment Microbiocide should be added to the water storage tanks before gelling and circulated to ensure mixing. Aquacar TM DB 100 Water Treatment Microbiocide can be pre-dissolved in warm water and added at the well head for “on-the-fly” fracturing jobs. Use all pre-dissolved liquid within 24 hours. Frequency and Dose: Aquacar TM DB 100 Water Treatment Microbiocide should be added at a rate of 5 to 16 ppm (5-16gm/1000L) depending on water quality.

Retreat after 48 hours if the frac job is delayed.

ENHANCED OIL RECOVERY (EOR) FLUIDS: Aquacar TM DB 100 Water Treatment Microbiocide reduces bacteria contamination and degradation of EOR polymers and gels. Aquacar TM DB 100 Water Treatment Microbiocide should be added to injection water before polymer addition. Frequency and Dose: Aquacar TM DB 100 Water Treatment Microbiocides should be added at a rate of 0.2-16 ppm (0.2-16 gm/1000L). Dry Aquacar TM DB 100 Water Treatment Microbiocides should be added at a point to ensure proper dissolution and mixing.

WATERFLOOD: Aquacar TM DB 100 Water Treatment Microbiocide can be used to control slime and corrosion causing bacteria in waters used for secondary oil and gas recovery. Aquacar TM DB 100 Water Treatment Microbiocide can be added as a dry product or pre-dissolved in warm water. Use all pre-dissolved liquid within 24 hours. If the system is heavily fouled, slug treat at the higher rate to remove biofilm. For maintenance, batch treat two to three times per week. Frequency and Dose: Aquacar TM DB 100 Water Treatment Microbiocide should be added at a rate of 0.2- 16 ppm (0.2-16 gm/1000L). Dry Aquacar TM DB 100 Water Treatment Microbiocides should be added at a point to ensure proper dissolution and mixing.

STORAGE: Do not contaminate water, food or feed by storage or disposal. To maintain product quality, store in a cool, dark place at temperatures below 35°C (95°F). Keep container tightly closed when not in use.

NOTICE TO USER: This pest control product is to be used only in accordance with the directions on the label. It is an offence under the Pest Control Products Act to use this product in a way that is inconsistent with the directions on the label. The user assumes the risk to persons or property that arises from any such use of this product.

DISPOSAL

- 1. Triple or pressure rinse the empty container. Add the rinsings to the treatment site.**
- 2. Follow provincial instruction for any required additional cleaning of the container prior to its disposal.**
- 3. Make the empty container unsuitable for further use.**
- 4. Dispose of the container in accordance with provincial requirements.**
- 5. For information on the disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.**