

2022-0780
2022-04-01

Mylar and Water-soluble bag label

BIOCLEAR 1000

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

Soluble Powder

COMMERCIAL

INDUSTRIAL SLIMICIDE



DANGER POISON



DANGER CORROSIVE

**POTENTIAL SKIN SENSITIZER
CORROSIVE TO EYES AND SKIN
READ THE LABEL BEFORE USING
KEEP OUT OF REACH OF CHILDREN**

**GUARANTEE:
2,2-Dibromo-3-nitrilopropionamide...98.0%**

**REGISTRATION NUMBER: 31224
PEST CONTROL PRODUCTS ACT**

NET CONTENTS 453.6 gm (1 lb)

Lubrizol Canada Limited

**6-14845 Yonge Street, Suite 118Aurora
ON L4G 6H8EMERGENCY CONTACT:
905-264-464624 HOUR CHEMTREC**

CONTACT:

Within Canada or USA:

1-800-424-9300

Outside Canada or USA:

+1 703-527-3887 (call collect)

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Overpack label

To Open

Tear Here

This Mylar bag is not water soluble.
Do not put in mixing Tank.

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**Lubrizol Canada Limited
6-14845 Younge Street, Suite 118Aurora ON L4G 6H8**

**DO NOT SELL THE SOLUBLE PACKS SEPARATELY.
DO NOT USE A KNIFE OR OTHER SHARP OBJECT TO OPEN THE OVERPACK**

**EMERGENCY CONTACT: 905-264-4646
24 HOUR CHEMTREC CONTACT:
Within Canada or USA:
1-800-424-9300
Outside Canada or USA:
+1 703-527-3887 (call collect)**

PRECAUTIONS

DANGER • CAUSES SEVERE BURNS OF EYES • EYE CONTACT MAY CAUSE LOSS OF VISION • IRRITATING TO NOSE AND THROAT • MAY BURN THE 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. DO NOT breathe the 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.

HANDLING PRECAUTIONS: Do not handle the inner bag with wet gloves as the bag will begin to dissolve on contact with even a small amount of water. Do not open the inner bags or attempt to remove the product from them. The water-soluble packet is not designed to be re-measured or subdivided. The inner bag should not be opened and partial bag not used. The entire contents of the inner (water soluble) bag must be used.

FIRST 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, then continue rinsing eye. Call a poison control centre or doctor for treatment advice.

If on skin or clothing: 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.

If inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control centre or doctor for further treatment advice.

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 PRECAUTIONS

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. This registration is granted under the Pest Control Products Act and does not exempt the user from any other legislative requirements. Use of this product and management of any resulting discharge or release of effluents containing this product must also be in accordance with the Fisheries Act and with any other applicable federal or provincial legislation. Consult with provincial regulatory authorities on any authorizations or other requirements for use of this product and management of any resulting discharge or release of effluents containing this product.

DIRECTIONS FOR USE

NOTE: Add BioClear 1000, or solutions of BioClear 1000 separately to the system. Do not mix them with other additives, in order to avoid decomposition of BioClear 1000 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 BioClear 1000 the rate of 15-50 gm BioClear 1000/tonne of pulp or paper (dry basis). Addition maybe 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 ensure uniform distribution of BioClear 1000 in the mass of fiber and water, such as the beaters, Jordan inlet or discharge, broke chests, furnishchests, save-alls, and white-water tanks.

HEAVILY FOULED SYSTEMS should be boiled out, then treated with 15-35 gm BioClear 1000/tonne of paper (dry basis), as necessary for control.

MODERATELY FOULED SYSTEMS should be treated continuously with 35-50 gm BioClear 1000/tonne of paper (dry basis) until the slime accumulation is controlled. Addition rates can then be reduced to 15-35 gm BioClear 1000/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 BioClear 1000/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 BioClear 1000 to the basin (or at any other point of uniform mixing). Add 0.24-2.4 gm BioClear 1000/1000L 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 BioClear 1000 /1000 L of water in the system. Repeat until control is achieved. SUBSEQUENT DOSES: When microbial control is evident, add 0.6-2.4 gm BioClear 1000/1000L 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 BioClear 1000 /1000L of water in the system. Subsequently, maintain this treatment level by pumping a continuous feed of 0.12-1.2 gm BioClear 1000 /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.

NON-MARINE OIL FIELD APPLICATION

For reduction of bacterial contamination and degradation in non-marine oil recovery operations, add BioClear 1000 to the system at a rate of 0.2 to 16 ppm.

FRACTURING FLUIDS

BioClear 1000 Antimicrobial Solid reduces bacterial contamination and degradation of fracturing fluids and gels used in oil and gas well stimulation in non-marine applications. BioClear 1000 should be added to the water storage tanks before gelling and circulated to ensure mixing. BioClear 1000 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: BioClear 1000 should be added at a rate of 5 to 16 ppm (5-16 g/1000 L) depending on

2022-0780
2022-04-01

water quality. Retreat after 48 hours if the frac job is delayed.

ENHANCED OIL RECOVERY (EOR) FLUIDS IN NON-MARINE ENVIRONMENTS

BioClear 1000 reduces bacterial contamination and degradation of EOR polymers and gels in non-marine environments.

BioClear 1000 should be added to injection water before polymer addition. Frequency and Dose: Bioclear 1000 should be added at a rate of 0.2 to 16 ppm (0.2-16 g/1000 L). Dry BioClear 1000 should be added at a point to ensure proper dissolution and mixing.

WATERFLOOD

BioClear 1000 can be used to control slime and Corrosion causing bacteria in waters used for secondary oil and gas recovery in non-marine environments. BioClear 1000 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: BioClear 1000 should be added at a rate of 0.2 to 16 ppm (0.2 g/1000 L). Dry BioClear 1000 should be added at a point to ensure proper dissolution and mixing.

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.

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.

DISPOSAL

1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Follow provincial instructions for any required additional cleaning of the container prior to its disposal.
3. Make the 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.