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BioClear 50

Controls bacteria, fungi and yeasts in paper mills; controls bacteria in industrial recirculating water cooling towers

INDUSTRIAL

Solution

CAUTION

[Skull & Crossbones symbol]

POISON

POTENTIAL SKIN SENSITIZER

READ THE LABEL BEFORE USING

GUARANTEE: 2,2-Dibromo-3-nitrilopropionamide..... 5%

REGISTRATION NO. 29744 PEST CONTROL PRODUCTS ACT

**Clearwater International LLC
200 St. James Place
Houston, Texas 77056
USA**

Tel.: 724-407-3303

NET CONTENTS: kg

PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN AND PREVENT ACCESS BY UNAUTHORIZED PERSONNEL
DANGER: CORROSIVE TO EYES • MAY BURN THE SKIN • MAY BE HARMFUL
OR FATAL IF SWALLOWED • POTENTIAL SKIN SENSITIZER •

Do not get in eyes, on skin, or on clothing • Wear chemical workers' goggles or face shield when handling • Wear chemical resistant gloves when handling • Wash thoroughly after handling • Wear a long-sleeved shirt, long pants and shoes plus socks when handling • Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet • Users should remove clothing/protective equipment 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 and required protective equipment prior to resuming your previous work activity.

Discard clothing or other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

Formaldehyde can be released during use of this product. It is recommended that this product not be used in circumstances that would result in formaldehyde air concentrations in the workplace exceeding the exposure levels established by occupational health and safety authorities in your jurisdiction. If values exceed this level, it is recommended that NIOSH approved respiratory protection be worn.

Do not apply by open pouring of the liquid to cooling water systems; a metering pump is required for this use.

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 center 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 center or doctor for treatment advice.

If swallowed: Call a poison control center 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 the poison control center 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.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

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 the product.

Do not discharge effluent containing this product into sewer systems without previously notifying the local sewage treatment plant authority.

DIRECTIONS FOR USE

Note: Add BioClear 50 separately to the system. Do not mix it with other additives in order to avoid decomposition of BIOCLEAR 50 due to the high pH of many additive formulations.

PAPER MILLS

For the control of bacterial, fungal and yeast growth in pulp, paper and paperboard mills, add BioClear 50 at the rate of 250-875 mL/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 BioClear 50 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 250-625 mL BioClear 50 /tonne of paper (dry basis), as necessary for control.

Moderately fouled systems should be treated continuously with 625-875 mL BioClear 50 /tonne of paper (dry basis) until the slime accumulation is controlled. Addition rates can then be reduced to 250-625 mL BioClear 50 /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 250-625 mL BioClear 50/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

Add BioClear 50 to the basin (or any other point of uniform mixing). 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.

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

FOR CONTROL OF BACTERIA Add 4-40 mL BioClear 50 /1,000 L of water in the system, depending on the severity of contamination.

INTERMITTENT OR SLUG METHOD Initial Dose: When the system is noticeably fouled, add 20-40 mL BioClear 50 /1,000 L of water in the system. Repeat until control is achieved.

Subsequent Dose: When microbial control is evident, add 10-40 mL BioClear 50 /1,000 L 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 20-40 mL BioClear 50 /1,000 L of water to the system. Subsequently, maintain this level by pumping a continuous feed of 2-20 mL BioClear 50 /1,000 L of water in the system lost by blowdown.

FOR CONTROL OF ALGAE Add 125-375 mL BioClear 50 /1,000 L of water in the system, depending on the severity of the contamination.

INTERMITTENT OR SLUG METHOD Initial Dose: When the system is noticeable fouled, add 200-375 mL BioClear 50 /1,000 L of water in the system. Repeat until control is achieved.

Subsequent Dose: When algae control is evident, add 125-375 mL BioClear 50 /1,000 L of water in the system daily, 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 200-375 mL BioClear 50 /1,000 L of water to the system.

Subsequent Dose: Maintain this treatment level by pumping a continuous feed of 125-375 mL BioClear 50 /1,000 L of water in the system per day.

Badly fouled systems must be cleaned before treatment is begun.

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.

STORAGE

To maintain product quality, store at temperatures below 35°C. Keep package tightly closed when not in use.

DISPOSAL

1. Triple- or pressure-rinse the empty container. Add the rinsings to the treatment site.
2. Follow provincial instructions 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 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.

“Made in the USA”

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