

MAGNATROL 466A

MICROBICIDE SOLUTION

REGISTRATION NO. 27571 *PEST CONTROL PRODUCTS ACT*

NET CONTENTS:

INDUSTRIAL

CAUTION



POISON

POTENTIAL SKIN SENSITIZER

DESCRIPTION: Controls bacteria, fungi and yeasts in paper mills; controls bacteria and algae in industrial recirculating water cooling towers. **This product is for recirculating water systems only**

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The directions and use precautions on this label may not be applicable to finished antimicrobial formulations made from **Magnatrol 466A** due to the different intended uses and different properties of such formulations. Any formulator using **Magnatrol 466A** should clearly label the intended use of the finished formulations and the precautions that must be used with such formulations in accordance with all pertinent laws and regulations. Formulators are responsible for registering their formulations under the *Pest Control Products Act*.

GUARANTEE :

2,2-Dibromo-3 nitrilopropionamide 5%

READ THE LABEL BEFORE USING

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.

 **Magnus[®]**

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DIRECTIONS FOR USE

Note: Add **Magnatrol 466A** separately to the system. Do not mix it with other additives in order to avoid decomposition of **Magnatrol 466A** 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 **Magnatrol 466A** 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 **Magnatrol 466A** 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 **Magnatrol 466A**/tonne of paper (dry basis), as necessary for control.

Moderately fouled systems should be treated continuously with 625-875 mL **Magnatrol 466A**/tonne of paper (dry basis) until the slime accumulation is controlled. Addition rates can then be reduced to 250-625 mL **Magnatrol 466A**/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 **Magnatrol 466A**/tonne of paper (dry basis) until the slime is controlled, then added on an intermittent basis to maintain control.

INDUSTRIAL RECIRCULATING WATER COOLING TOWERS

Add **Magnatrol 466A** 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 **Magnatrol 466A**/1,000 L of water in the system, depending on the severity of contamination.

INTERMITTENT (SLUG DOSE) METHOD

Initial Dose: When the system is noticeably fouled, add 20-40 mL **Magnatrol 466A**/1,000 L of water in the system. Repeat until total decontamination.

Subsequent Dose: When microbial control is evident, add 10-40 mL **Magnatrol 466A**/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 **Magnatrol 466A**/1,000 L of water to the system. Subsequently, maintain this level by pumping a continuous feed of 2-20 mL **Magnatrol 466A**/1,000 L of water in the system lost by blowdown.

FOR CONTROL OF ALGAE

Add 125-375 mL **Magnatrol 466A**/1,000 L of water in the system, depending on the severity of the contamination.

INTERMITTENT (SLUG DOSE) METHOD

Initial Dose: When the system is noticeable fouled, add 200-375 mL **Magnatrol 466A**/1,000 L of water in the system. Repeat until total decontamination.

Subsequent Dose: When algae control is evident, add 125-375 mL **Magnatrol 466A**/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 **Magnatrol 466A**/1,000 L of water to the system.

Subsequent Dose: Maintain this treatment level by pumping a continuous feed of 125-375 mL **Magnatrol 466A**/1,000 L of water in the system per day.

Badly fouled systems must be cleaned before treatment is begun.

PRECAUTIONS

KEEP OUT OF THE REACH OF CHILDREN

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 a long-sleeved shirt, long pants, shoes plus socks and chemical workers' goggles when handling. Wash thoroughly after handling.

Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. 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 re-use. Remove protective clothing immediately after handling this product. Wash the outside of gloves before removing them. As soon as possible, wash thoroughly and change into clean clothing.

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

ENVIRONMENTAL HAZARD

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.

FIRST AID

IF SWALLOWED: Call a poison control centre or doctor immediately for treatment advice. Have a 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.

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 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.

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

TOXICOLOGICAL INFORMATION

Treat symptomatically.

DISPOSAL

1. Triple- or pressure-rinse the empty container.. **Add the rinsings to the mixture in the tank.**
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 regulator agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills