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BULAB® 6017

MICROBICIDE

GRANULES

INDUSTRIAL

For control of algal, bacterial and fungal slimes in recirculating cooling water systems and pulp and paper systems.

KEEP OUT OF REACH OF CHILDREN

READ THE LABEL BEFORE USING

**REGISTRATION NO. : 28747
PEST CONTROL PRODUCTS ACT**

GUARANTEE:

Available chlorine, present as 1-BROMO-3-CHLORO- 5,5- DIMETHYLHYDANTOIN AND RELATED HYDANTOINS..... 28%

Available bromine, present as 1-BROMO-3-CHLORO- 5,5- DIMETHYLHYDANTOIN AND RELATED HYDANTOINS..... 64%

DANGER



POISON CORROSIVE

**DANGER - CORROSIVE TO EYES AND SKIN
POTENTIAL SKIN SENSITIZER**

NET CONTENTS: 2.2 - 227 Kg

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.

Buckman Laboratories of Canada, Ltd.

351 Joseph-Carrier Street, Vaudreuil-Dorion (Quebec) J7V 5V5
1-450-424-4404

**24-HOUR EMERGENCY TELEPHONE NUMBER:
1-450-424-4404**

DIRECTIONS FOR USE

DO NOT contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes. **DO NOT** discharge effluent containing this product into sewer systems, lakes, streams, ponds, estuaries, ocean or other waters.

DO NOT use this product in the production of paper or paperboard that will come into contact with food.

RECIRCULATING COOLING WATER SYSTEMS:

When used as directed, BULAB 6017 MICROBICIDE effectively controls algal, bacterial and fungal slimes in commercial and industrial cooling towers; influent water systems such as flow through filters and lagoons; heat exchange water systems, industrial water scrubbing systems, brewery pasteurizers; and industrial air washing systems equipped with a mist eliminator.

Dosage Rates:

Initial dose: When system is noticeably fouled, add 0.25 - 0.75 kg of BULAB 6017 MICROBICIDE per 10,000 litres of water contained in the system. Repeat initial dosage until at least 1 mg/L bromine residual is established for 4 hours.

Subsequent dose: When microbial control is evident, add 0.1 - 0.4 kg of BULAB 6017 MICROBICIDE per 10,000 litres of water contained in the system. Repeat as needed to maintain at least 1 mg/L bromine residual in the water for at least 4 hours.

PULP AND PAPER MILLS:

This product effectively controls algal, bacterial, and fungal slime in pulp and paper mill fresh and sea water influent water systems; cooling water systems, service water systems, white water systems, and other process systems. Treat water at critical areas in the system process where mixing of the product with influent will be uniform. The frequency and duration of the treatment will depend upon the severity of the problem. Badly fouled process systems must be cleaned before initial treatment.

Treatment by system volume: Add up to 0.31 kg of this product to 10,000 L, or 32 parts per million, of water in the system.

Treatment by residual method: Add sufficient amount of this product to maintain a measured residual up to 5 ppm bromine. Once biological control is evident, the use of this product can normally be reduced to something less than 1 ppm as bromine. An alternate method of calculating the appropriate level of this product is to estimate the paper mill's daily production, then add, over a 24-hour period, up to 600 grams of this product per dry metric tonne of paper produced over a twenty-four (24) hour period. Test for bromine to verify the level of 5 ppm is not being exceeded.

NOTE: Not intended for use in potable water systems.

PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN

Highly corrosive to the eye and skin. Potential skin sensitizer. Causes skin and eye damage. May be fatal if swallowed. **DO NOT** get in eyes, on skin or clothing. Wear long pants, a long-sleeved shirt, chemical-resistant gloves and goggles or a face-shield while cleaning equipment and handling product. For pulp and paper uses, wear coveralls in addition to all other required personal protective equipment while mixing and loading the product. Irritating to nose and throat. Avoid breathing dust and fumes. Remove and wash contaminated clothing before reuse.

FIRST AID

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

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 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 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.

TOXICOLOGICAL INFORMATION: Probable mucosal damage following ingestion may contraindicate gastric lavage. Treat symptomatically.

DISPOSAL

1. Triple-or pressure-rinse the emptied 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.

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.