

2011-5423

2012-05-31

DuroBrom

MICROBICIDE FOR CONTROL OF BACTERIA, FUNGI AND ALGAE IN
RECIRCULATING COOLING WATER SYSTEMS AND AIRWASHERS
GRANULAR

GUARANTEE:

Available bromine present as 1-bromo-3-chloro-5,5-dimethylhydantoins and related
hydantoins.....36.4%

Available chlorine present as 1-bromo-3-chloro-5,5-dimethylhydantoin, 1,3-dichloro-5,5-
dimethylhydantoin, 1,3-dichloro-5-ethyl-5-methylhydantoin and related
hydantoins.....46.6%

COMMERCIAL

REGISTRATION NO. 29438 PEST CONTROL PRODUCTS ACT

DANGER



POISON



CORROSIVE TO EYES AND SKIN

POTENTIAL SKIN SENSITIZER

READ THE LABEL BEFORE USING

KEEP OUT OF REACH OF CHILDREN

NET CONTENTS _____Kg

ApTech Group, Inc.
11411 Williamson Road
Cincinnati
45241 OH, USA
866-489-9831

DIRECTIONS FOR USE:

DO NOT contaminate irrigation or drinking water supplies or aquatic habitats by cleaning or equipment or disposal of wastes.

DO NOT discharge effluent containing this product into sewer systems, lakes, streams, ponds, estuaries, oceans or other waters.

RECIRCULATING COOLING WATER SYSTEMS

DuroBrom aids in the control of bacterial, fungal and algal slimes in evaporative condensers, heat exchange water towers, influent systems such as flow through filters, lagoons etc. and, industrial water scrubbing systems. This product may be added to the systems either continuously or intermittently or as needed. The frequency of feeding and duration of the treatment will depend upon the severity of the problem.

BADLY FOULED SYSTEMS must be cleaned before treatment is begun.

FOR CONTROL OF BACTERIA AND FUNGI INTERMITTENT OR SLUG METHOD

INITIAL DOSE: When the system is noticeably fouled, add 60 to 600 gms to 5000 Litres or 12 to 120 parts per million of the water in the system. Repeat until control is achieved.

SUBSEQUENT DOSE: When microbial control is evident add 60 to 450 gms to 5000 Litres or 12 to 90 parts per million of water in the system every 3 days or as needed to maintain control.

CONTINUOUS FEED METHOD

INITIAL DOSE: When a system is noticeably fouled, add 60 to 600 gms to 5000 Litres or 12 to 120 parts per million of water in the system. **SUBSEQUENT DOSE:** Continuously feed to maintain a dosage of 60 to 450 gms to 5000 Litres or 12 to 90 parts per million of water in the system.

FOR CONTROL OF ALGAE INTERMITTENT OR SLUG METHOD

INITIAL DOSE: When the system is noticeably fouled add 60 to 600 gms per 5000 Litres or 12 to 120 parts per million of water in the system. Repeat until control is achieved. **SUBSEQUENT DOSE:** When algae control is evident add 60 to 450 gms to 5000 Litres daily or 12 to 90 parts per million daily or as needed to maintain control.

CONTINUOUS FEED METHOD

INITIAL DOSE: When the system is noticeably fouled add 60 to 600 gms to 5000 Litres or 12 to 120 parts per million of water in the system. Repeat until control is achieved. **SUBSEQUENT DOSE:** Continuously feed to maintain a dosage of 60 to 450 gms to 5000 Litres or 12 to 90 parts per million of water in the system.

AIRWASHERS

For use only in industrial airwasher systems that maintain effective mist eliminating components.

DuroBrom controls slime forming bacteria, fungi and algae in industrial airwasher systems. Add DuroBrom at the rate of 60 to 600 gms (12 to 120 ppm) per 5000 Litres of water in the system, depending upon the severity of the contamination. Control the application by measuring the free chlorine residual in the treated water. There is no need to exceed 1.0 ppm as free chlorine. Badly fouled systems must be cleaned before treatment is begun.

INTERMITTENT OR SLUG METHOD

INITIAL DOSE: When system is noticeably fouled add to airwasher sump or chill water sump to insure uniform mixing. Add 60 to 600 gms to 5000 Litres or 12 to 120 parts per million of water. SUBSEQUENT DOSE: When microbial control is evident add 60 to 360 gms to 5000 Litres or 12 to 72 parts per million of water.

CONTINUOUS FEED METHOD

INITIAL DOSE: When system is noticeably fouled add to air washer sump or chill water sump to insure uniform mixing. Add 60 to 600 gms to 5000 Litres or 12 to 120 parts per million of water. SUBSEQUENT DOSE: When microbial control is evident add 60 to 360 gms to 5000 Litres or 12 to 72 parts per million.

PAPER AND PAPERBOARD PROCESS WATER

This product is intended for use as a slimicide for the process water used in the manufacturer of paper and paperboard products. Use 0.05 kg to 0.50 kg / 10,000 liters of process water or 5 ppm to 50 ppm of water. Repeat as needed to maintain one to three ppm bromine residual for at least 4 hours.

PRECAUTIONS :

KEEP OUT OF REACH OF CHILDREN. HARMFUL IF SWALLOWED. HIGHLY CORROSIVE. DO NOT TAKE INTERNALLY. Causes eye and skin damage. Irritating to nose and throat. Avoid breathing dust. Use with adequate ventilation. Do not get into 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. Immediately remove contaminated clothing and wash before reuse.

FIRST AID:

If irritation or other adverse effects develop, wash with soap and water immediately. Seek medical attention if symptoms persist.

For eye contact, 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. For skin or clothing 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 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.

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

TOXICOLOGICAL INFORMATION:

This product is corrosive to skin and eyes and may produce a sensitization response or allergic reaction in some individuals. Probable mucosal damage may contraindicate the use of gastric lavage.

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.

ENVIRONMENTAL HAZARDS:

This product is toxic to fish. Do not discharge into lakes, streams, ponds or public waters.

PHYSICAL AND CHEMICAL HAZARDS:

Strong oxidizing agent. Mix only with water. Use clean dry utensils. Do not add this product to any dispensing device containing remnants of any other product. Such use may cause a violent reaction leading to fire and explosion. Contamination with moisture, organic matter or other chemicals may start a chemical reaction with fire and explosion. In case of contamination or decomposition do not reseal container. If possible, isolate container in open air or well ventilated area, if necessary flood with large volumes of water.

STORAGE AND 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 provincial regulatory agency in case of a spill, and for cleanup of spills.