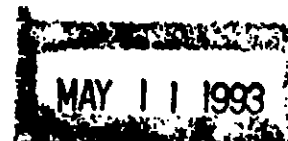


UNITED STATES ENVIRONMENTAL PROTECTION AGENCY



Great Lakes Chemical Corporation  
P.O. Box 2200  
West Lafayette, IN 47906

Attn: Berma L. Zootman  
Registration Specialist

Subject: IWT BCDMH Tablets  
EPA Registration No. 5785-63  
Your Amendment Application Dated November 30, 1992  
(BLZ-92-413)

This is in response to your requests to change your product name and amend its label to include an alternate Storage, Handling and Disposal statement for alternate packaging.

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable subject to the comments listed below. Five copies of the finished labeling must be submitted prior to releasing the product for shipment bearing the amended labeling.

- 1) The change in product name from BromiCide Tablets to IWT BCDMH Tablets is acceptable. The registration records for this product have been amended accordingly.
- 2) The revised storage and disposal instructions to include pails, drums and bags are acceptable. However, the container disposal instructions should be grouped under the heading "Container Disposal" and "Pesticide Disposal" for the disposal of the pesticide.
- 3) The statement "Do not contaminate water, food, or feed by storage or disposal" should be placed directly under the Storage and Disposal heading.

CONCURRENCES

SYMBOL							
SURNAME							
DATE							

- 4) Revise the sentence under Physical & Chemical Hazards which reads "DO NOT ADD OTHER PRODUCTS TO THIS DISPENSING DEVICE" to read "DO NOT ADD OTHER PRODUCTS TO ANY DISPENSING DEVICE CONTAINING REMNANTS OF ANY OTHER PRODUCT".

Should you have questions call Arvella Farmer at (703) 305-6939.

Sincerely yours,



Ruth G. Douglas  
Product Manager 32  
Antimicrobial Program Branch  
Registration Division (H7504C)

Enclosure

# IWT BCDMH TABLETS

For Use as a Disinfectant, Sanitizer, Bactericide, Slimicide, and Algicide in Recirculating Cooling Water Systems and Once Through Cooling Water and Wastewater Treatment Systems and for Control of Microbial Slimes in Air Conditioners, Dehumidifiers, and Evaporative Coolers

Active ingredient:		
1-Bromo-3-chloro-5,5-dimethylhydantoin	.....	92.5%
Inert ingredients	.....	7.5%
	TOTAL	100.0%

Available Bromine: 61%

Available Chlorine: 27%

**KEEP OUT OF REACH OF CHILDREN  
DANGER**

**Statement of Practical Treatment**

- IF SWALLOWED:** Seek medical attention promptly. Do not induce vomiting. Do not drink alcohol. Drink at least 8 ounces of water (not to exceed 0.23 oz. per pound in a child).
- IF ON SKIN:** Remove contaminated clothing immediately. Brush off excess chemical and wash skin with large volumes of soap and water, flushing the skin with water for at least 15 minutes. If skin irritation develops, seek medical attention.
- EYE CONTACT:** Irrigate eyes with large volumes of room temperature water for at least 15 minutes, then seek medical attention promptly.
- NOTE TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage.

SEE ADDITIONAL PRECAUTIONARY STATEMENTS ON SIDE PANEL

NET WEIGHT \_\_\_\_\_

EPA REG. NO. 5785-63

LOT NO. \_\_\_\_\_

EPA EST. NO. 5785-MI-1

GREAT LAKES CHEMICAL CORPORATION  
P.O. Box 2260  
WEST LAFAYETTE, IN U.S.A. 47906

BCDMHTAB

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**DANGER. CORROSIVE.** Causes eye and skin irritation. If swallowed, swallowed. Do not get in eyes, on skin, or on clothing. Wear eye shield and rubber gloves when handling. Irritating to respiratory system. Breathing dust. Remove and wash contaminated clothing thoroughly with soap and water after handling.

### ENVIRONMENTAL HAZARDS

This product is toxic to fish. Do not discharge effluents into lakes, streams, ponds, estuaries, oceans or public waters unless specifically identified and addressed in an NPDES permit. Do not contain this product to sewer systems without prior approval of treatment plant authority. For guidance, contact your Regional Office of EPA.

### PHYSICAL AND CHEMICAL HAZARDS

Strong oxidizing agent. Mix only with water. Do not use with other equipment. **DO NOT ADD OTHER PRODUCTS TO THIS PRODUCT.** Use may cause a violent reaction leading to fire and explosion. Moisture, organic matter or other chemicals may start a chemical reaction, generation of heat, hazardous gases and possible fire and explosion. Contamination or decomposition, do not reseal container in open air or well ventilated area. If necessary, flood with large volume of water.

### PHYSICAL AND CHEMICAL HAZARDS (Table)

Strong oxidizing agent. Mix only with water. Do not use with other equipment. **DO NOT ADD THIS PRODUCT TO CONTAINERS CONTAINING REMNANTS OF ANY OTHER PRODUCT.** Use may cause a violent reaction leading to fire and explosion. Contamination or decomposition, do not reseal container. If possible, flood with large volume of water. If necessary, flood with large volume of water.

**BEST AVAILABLE COPY**

ACCEPTED  
with COMMENTS  
MAY 11 1993  
5785-63

**DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

**STORAGE HANDLING AND DISPOSAL (Brominator)**

**STORAGE.** Keep product dry in tightly closed container when not in use. Store in a cool, dry, well ventilated area away from heat, open flames, organic chemicals and sunlight. Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited.

The application to water is accomplished using the returnable, closed system Transportable Brominator.

**Installation Procedure:**

Keep all valves in closed position. Attach level indicator/pressure relief valve to flange on upper side of brominator. Attach quick connect fittings to distribution header. Open both distributor header valves. Slowly open service water line and adjust to desired flow.

**Flushing Procedure:**

Close off water supply line. Close effluent valve on brominator. Detach quick connect fitting from effluent side and attach it to the center drain connection. Open center drain to position valve. Open service water to allow for maximum flow through the unit for 15 minutes to assure all product is dispensed from the brominator into the treated water system.

**Disconnect Procedure:**

Shut off supply water. Make sure all valves on brominator are in closed position. Use center drain to empty the container completely of all water and product residual. Close center drain to position valve and disconnect all lines. Remove level indicator and pressure relief valve from flange on upper side of brominator. Attach the flange cap.

**DISPOSAL.** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. Return Transportable Brominator for refilling.

**STORAGE AND DISPOSAL (Tablets pails/drums/bags)**

**STORAGE.** Keep product dry in tightly closed container when not in use. Store in a cool, dry, well ventilated area away from heat, open flames, sunlight and other chemicals. Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited.

**DISPOSAL.** (Pails/drums) Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. **DO NOT REUSE EMPTY CONTAINER.** Triple rinse the container (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incinerate. Burn only if allowed by state and local authorities. If burned, stay out of smoke.

**DISPOSAL (Bags):** Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

**RECIRCULATING COOLING WATER SYSTEMS.** When used as directed, IWT BCDMH TABLETS effectively controls algal, bacterial, and fungal slimes in commercial and industrial cooling towers, cooling ponds, influent water systems

including flow through filters, heat exchangers, industrial water scrubbing brewery pasteurizers and industrial air washers equipped with mist elim

**ONCE-THROUGH COOLING WATER SYSTEMS.** When used as directed, IWT BCDMH TABLETS effectively controls algal, bacterial, and fungal slimes in closed-cycle, fresh or salt water, once-through cooling systems. Treat water with IWT BCDMH TABLETS at the system intake or other critical area where mixing is uniform.

**EVAPORATIVE COOLER.** When used as directed, IWT BCDMH TABLETS effectively control algal, bacterial, and fungal slimes.

**DOSAGE RATES**

**INITIAL DOSE.** When system is noticeably fouled, add 0.2 to 0.6 lbs/100 (0.24 to 0.72 kg/10,000 L) of water contained in the system. Repeat initial until one to three ppm (mg/L) bromine residual is established for at least four hours.  
**SUBSEQUENT DOSE.** When microbial control is evident, add 0.1 to 0.3 gallons (0.12 to 0.36 kg/10,000 L) of water contained in the system. 1 gallon needed to maintain one to three ppm bromine residual for at least four hours.

**COMMERCIAL AIR CONDITIONER AND DEHUMIDIFIER BASINS OR DRIP PANS.** When used as directed, IWT BCDMH TABLETS controls microbial slimes where water collects.

**DOSAGE RATES**

Place IWT BCDMH TABLETS in the basin or drip pan close to the outlet drain. Use one or more tablets as necessary to maintain the cleanliness of the system. The number of tablets needed will vary with temperature, humidity, and coil volume.

**WASTEWATER TREATMENT SYSTEMS.** When used as directed, IWT BCDMH TABLETS effectively controls algal, bacterial, and fungal slimes and off-gassing of primary, secondary and tertiary wastewater treatment systems.

**DOSAGE RATES**

Add 0.1 to 0.6 lbs/1000 gallons (0.24 to 0.72 kg/10000 L) of water to maintain a 0.5 to 5.0 mg/L bromine residual at the injection point in the disinfection contact chamber. Adjust the IWT BCDMH TABLETS dosage to achieve disinfection and minimize the halogen concentration at the exit of the contact chamber. Use treated wastewater to irrigate crops.

Treatment levels can be measured with test kits for either bromine or chlorine. Tests should be made immediately after drawing water samples from the system. Use test kits according to directions.

1. When a bromine test kit is used, results can be read directly from the test kit.

2. When a chlorine test kit is used, results can be expressed in terms of bromine by multiplying chlorine values by the conversion factor of 1.5.

NOTE: BromiCide Tablet weighs 0.7 oz. (20 grams).

NOTE: Seller warrants that this product complies with the specifications expressed in this label and makes no other warranties, and disclaims all other warranties, express or implied, including but not limited to warranties of merchantability and fitness for the intended purpose. Seller's liability for defect or failure under this label shall be limited to the amount of the purchase price. Seller shall have no liability for consequential damages.

ACCEPTED COMMENTS

MAY 11 1993

5785-63