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5785-63

PM-32

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Great Lakes Chemical Corporation
Highway 52 NW.
P.O. Box 2200
West Lafayette, IN 47906

JUN 2 - 1989

Gentlemen:

Subject: Bromicide Tablets
EPA Registration No. 5785-63
Bromicide Granules
EPA Registration No. 5785-65
Your Submission Dated June 20, 1988
EPA Received Date June 24, 1988

This is in response to the above subject matter. The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, is acceptable subject to the comment listed below. Five (5) copies of the finished labeling must be submitted. The additional brand names are acknowledged by the Agency.

- The Statement of Practical Treatment should be revised to read:

STATEMENT OF PRACTICAL TREATMENT

If Swallowed: Drink promptly a large quantity of water. Do not induce vomiting. Avoid alcohol. Get medical attention.

If In Eyes: Flush with plenty of water for 15 minutes. Get medical attention.

If On Skin: Wash with plenty of soap and water. Get medical attention if irritation persists.

NOTE TO PHYSICIAN

Probable mucosal damage may contraindicate the use of gastric lavage.

57045;I:Dutch:LK-09;KEMCO:05/31/89:06/09/89:aw:gj:ek:de

CONCURRENCES

SYMBOL	117504-C						
SURNAME	V. Dutch						
DATE	6-2-89						

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Should you have any further questions, please contact Veronica Dutch
at (703) 557-6938.

Sincerely yours,



Jeff Kempter
Product Manager (32)
Antimicrobial Program Branch
Registration Division (H7505C)

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BROMICIDE® 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%

KEEP OUT OF REACH OF CHILDREN

DANGER

Statement of Practical Treatment

IF SWALLOWED:

~~Feed bread soaked in milk, followed by olive oil or cooking oil. Seek medical attention immediately.~~

Replace with language in letter.

SKIN CONTACT:

~~Brush off excess chemical and flush skin with cold water for at least 15 minutes. If irritation develops seek medical attention.~~

EYE CONTACT:

~~Flush eyes with cold water for at least 15 minutes. Seek medical attention promptly.~~

Note to Physicians:

Probable mucosal damage may contra-indicate the use of gastric lavage.

SEE ADDITIONAL PRECAUTIONARY STATEMENTS ON SIDE PANEL

NET WEIGHT _____

EPA REG. NO. 5785-63-AA

LOT NO. _____

EPA EST. NO. 1729-MI-01

GREAT LAKES CHEMICAL CORPORATION
WEST LAFAYETTE, IN 47906

**ACCEPTED
with COMMENTS
in EPA Letter Dated**

JUN - 2 1989

GLK-63-B

Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide
registered under EPA Reg. No.

5785-63

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**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND
DOMESTIC ANIMALS**

DANGER

CORROSIVE. Causes eye and skin damage. May be fatal if swallowed. Do not get in eyes, on skin, or on clothing. Wear goggles or face shield and rubber gloves when handling. Irritating to nose and throat. Avoid breathing dust. Remove and wash contaminated clothing before reuse.

ENVIRONMENTAL HAZARDS

This product is toxic to fish. Do not discharge into lakes, streams, ponds or public water unless in accordance with an NPDES permit. For guidance, contact your regional office of EPA.

PHYSICAL AND CHEMICAL HAZARDS

Strong oxidizing agent. Mix only with water. Use clean, dry utensils and equipment. 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 generation of heat, hazardous gases and possible 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.

DIRECTIONS FOR USE

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

STORAGE AND DISPOSAL

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.

Disposal. 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.

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RECIRCULATING COOLING WATER SYSTEMS. When used as directed, BromiCide 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 systems, brewery pasteurizers and industrial air washers equipped with mist eliminators.

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

EVAPORATIVE COOLER. When used as directed, BromiCide Tablets effectively control algal, bacterial, and fungal slimes.

DOSAGE RATES

INITIAL DOSE. When system is noticeably fouled, add 0.2 to 0.6 lbs/1000 gallons (0.24 to 0.72 kg/10,000 L) of water contained in the system. Repeat initial dosage until one to three ppm (mg/L) bromine residual is established for at least 4 hours.

SUBSEQUENT DOSE. When microbial control is evident, add 0.1 to 0.3 lbs/1000 gallons (0.12 to 0.36 kg/10,000 L) of water contained in the system. Repeat as needed to maintain one to three ppm bromine residual for at least 4 hours.

COMMERCIAL AIR CONDITIONER AND DEHUMIDIFIER BASINS OR DRIP PANS. When used as directed, BromiCide Tablets controls microbial slimes in areas where water collects.

DOSAGE RATES

Place BromiCide 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 condensate volume.

WASTEWATER TREATMENT SYSTEMS. When used as directed, BromiCide Tablets effectively controls algal, bacterial, and fungal slimes and offers rapid disinfection 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 treated to maintain a 0.5 to 5.0 mg/L bromine residual at the injection point in the disinfection contact chamber. Adjust the BromiCide Tablets dosage to achieve disinfection and minimize the halogen concentration at the exit of the contact chamber. Do not use treated wastewater to irrigate crops.

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A BromiCide Tablet weighs 0.7 oz. (20 grams).

Available Bromine: 61%

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Available Chlorine: 27%

NOTE: Seller warrants that this product complies with the specifications expressed on this label. Seller 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 default, breach, or failure under this label shall be limited to the amount of the purchase price. Seller shall have no liability for consequential damages.

MI-63-D-GL