

94.04.11

H-980

MICROBIOCIDE

A MICROBIOCIDE CONTROL OF BACTERIA, FUNGI AND YEAST  
IN RECIRCULATING COOLING WATER SYSTEMS AND AIRWASHERS

GUARANTEE:

1-bromo-3-chloro-5,5-dimethyldantoin .....	60.0%
1,3-dichloro-5,5-dimethyldantoin .....	27.4%
1,3-dichloro-5-ethyl-5-methylhydantoin .....	10.6%
Available bromine .....	39.2%
Available chlorine .....	44.4%

COMMERCIAL

REGISTRATION NO. 23365

PEST CONTROL PRODUCTS ACT

WARNING

POISON

CORROSIVE

READ THE LABEL BEFORE USING

NET CONTENTS: 20 Kg. (44 Lb.)

MANUFACTURED BY:  
CALGON CORPORATION  
P.O. BOX 1346  
PITTSBURGH, PA  
15230

FOR

CALGON CANADA, INC.  
27 Finley Road  
Brampton, Ontario  
L6T 1B2

PRECAUTIONARY STATEMENTS:

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 rubber gloves and goggles or face shield when handling. Wash thoroughly after handling. Immediately remove contaminated clothing and wash before reuse.

FIRST AID:

FOR EYE CONTACT, flush eyes with large amounts of running water for at least 15 minutes. Hold eyelids apart to ensure rinsing of the entire surface of the eye and lids with water. If physician is not available, flush for additional 15 minutes. Get immediate medical attention.

FOR SKIN CONTACT, immediately wipe away excess material with a dry cloth while removing contaminated clothing and shoes. Under a safety shower, wash affected area thoroughly with large amounts of water and soap if available, for at least 15 minutes. Get immediate medical attention. Discard or decontaminate clothing and shoes.

IF INHALED, remove from area to fresh air. If not breathing, clear airway and start mouth-to-mouth artificial respiration or use a bag-mask respirator. Get immediate medical attention. If victim is having trouble breathing, transport to medical care and if available give supplemental oxygen.

IF SWALLOWED, immediately give several glasses of water. DO NOT induce vomiting. If vomiting occurs, give fluids again. Have physician determine if patient's condition allows induction of vomiting or evacuation of stomach. Do not give anything by mouth to an unconscious or convulsing person. Get immediate medical attention.

DISPOSAL:

1. Rinse the emptied container thoroughly and add the rinsings to the treatment site.
2. Follow provincial instructions for any required additional cleaning of the container prior to its disposal.
3. Dispose of the container in accordance with provincial requirements.
4. For information on the disposal of unused, unwanted product and the cleanup of spills, contact the regional office of Environmental Protection, Environment Canada.
5. For small spills. Recover free liquid. Soak up residue

with solids absorbent. DO NOT FLUSH INTO SURFACE STREAMS.  
INFORM ENVIRONMENT CANADA AS IN #4.

TOXICOLOGICAL INFORMATION:

Probable mucosal damage may contraindicate the use of gastric lavage.

NOTICE TO USER:

This control product is to be used only in accordance with the directions on this label. It is an offence under the Pest Control Products Act to use a control product under unsafe conditions.

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:

Keep product dry in closed container when not in use. Store in a cool dry, well ventilated area away from heat, open flames and other chemicals. Follow provincial instructions for any required additional cleaning of the container prior to its disposal or reconditioning.

DIRECTIONS FOR USE:

RECIRCULATING COOLING WATER SYSTEMS

H-980 MICROBIOCIDE 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., industrial water scrubbing systems and brewery pasteurizers. 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 on 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 liters of 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 liters 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 the system is noticeably fouled, add 60 to 600 gms to 5000 liters of 12 to 120 parts per million of the water in the system. SUBSEQUENT DOSE: Continuously feed to maintain a dosage of 60 to 450 gms to 5000 liters 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 to 5000 liters of 12 to 120 parts per million of the water in the system. Repeat until control is achieved. SUBSEQUENT DOSE: When algae control is evident add 60 to 450 gms to 5000 liters or 12 to 120 parts per million daily or as needed to maintain control.

#### CONTINUOUS FEED METHOD

INITIAL DOSE: When a system is noticeably fouled, add 60 to 600 gms to 5000 liters of 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 liters or 12 to 90 parts per million of water in the system.

#### AIRWASHERS

For use only in industrial airwashers systems that maintain effective mist eliminating components. H-980 MICROBIOCIDE controls slime forming bacteria, fungi, and algae in industrial airwashers systems. Add H-980 MICROBIOCIDE at the rate of 60 to 600 gms (12 to 120 ppm) per 5000 liters 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 liters or 12 to 120 parts per million of water.

SUBSEQUENT DOSE: When microbial control is evident add 60 to 360 gms to 5000 liters or 12 to 72 parts per million of water.

CONTINUOUS FEED 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 liters or 12 to 120 parts per million of water.

SUBSEQUENT DOSE: When microbial control is evident add 60 to 360 gms to 5000 liters or 12 to 72 parts per million of water.

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