Chemicals

GAX-2

ANTIMICROBIAL

Active Ingredient
Inert Ingredients

WARNING

DIVISION OF CHEMED CORPORATION

DuBOIS TOWER • CINCINNATI, OHIO 45202 • U.S.A.

—SOLELY FOR INDUSTRIAL USE—

GAX-20

ANTIMICROBIAL

ACCEPTED
5736-55
NOV 6 1975
UNDER THE FEDERAL INSECTICIDE FUNGICIDE AND RODENTICIDE ACT FOR ECONOMIC POISON REGISTERED UNDER NO.

Controls bacterial growths in industrial recirculating water cooling towers.

Active Ingredient: 2,2-Dibromo-3-nitrilopropionamide 5%

Inert Ingredients: 95%

E.P.A. Registration No. 5736-55-AA

WARNING KEEP OUT OF REACH OF CHILDREN

MAY CAUSE INJURY TO EYES • MAY BURN THE SKIN
MAY BE HARMFUL OR FATAL IF SWALLOWED
Do Not Get in Eyes, on Skin, or on Clothing
Wear Safety Glasses with Side Shields

Note: Refer to the Technical Bulletin for GAX-20 ANTIMICROBIAL for more detailed use directions, safety precautions, and other technical information.

Note: This product should not be used in the production of paper or paperboard that comes in contact with food.

SEE SIDE PANEL FOR ADDITIONAL CAUTIONS

USING DIRE

INDUSTRIAL RECIRCULATING WATER
of bacterial growths in cooling towers, a
other point of uniform mixing). Add 0.00
of water in the system, depending on
0.0038-0.038 gallons of GAX-20 will pro
ingredient. Addition should be made wi
continuous or intermittent, depending o
tion when treatment is begun, and the re

Intermittent or Slug Method:

Initial Dose: When the system is noticea
GAX-20/1,000 gal. water in the system;
will provide 1.2 to 2.4 ppm of active ing
achieved.

Subsequent Dose: When microbial cont
gal. GAX-20/1,000 gal. water in the syste
maintain control. Badly fouled systems m
is begun.

Continuous Feed Method:

Initial Dose: When the system is noticea
GAX-20/1,000 gal. of water to the syste
level by pumping a continuous feed of
gal. of water in the system lost by blowdo

Badly fouled systems must be cleaned be

Optimum performance with this produc
intermittent treatment. If "shock" trea
should be discontinued for 24-48 hours.

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USING DIRECTIONS:

INDUSTRIAL RECIRCULATING WATER COOLING TOWERS: For control of bacterial growths in cooling towers, add GAX-20 to the basin (or any other point of uniform mixing). Add 0.0038-0.038 gal. GAX-20/1,000 gal. of water in the system, depending on the severity of contamination; 0.0038-0.038 gallons of GAX-20 will provide 0.24 to 2.4 ppm of active ingredient. Addition should be made with a metering pump; it may be continuous or intermittent, depending on the severity of the contamination when treatment is begun, and the retention time in the system.

Intermittent or Slug Method:

Initial Dose: When the system is noticeably fouled, add 0.019-0.038 gal. GAX-20/1,000 gal. water in the system; 0.019-0.038 gallons of GAX-20 will provide 1.2 to 2.4 ppm of active ingredient. Repeat until control is achieved.

Subsequent Dose: When microbial control is evident, add 0.0095-0.038 gal. GAX-20/1,000 gal. water in the system every 4 days, or as needed to maintain control. Badly fouled systems must be cleaned before treatment is begun.

Continuous Feed Method:

Initial Dose: When the system is noticeably fouled, add 0.019-0.038 gal. GAX-20/1,000 gal. of water to the system. Subsequently, maintain this level by pumping a continuous feed of 0.0019-0.019 gal. GAX-20/1,000 gal. of water in the system lost by blowdown.

Badly fouled systems must be cleaned before treatment is begun.

Optimum performance with this product is attained by continuous or intermittent treatment. If "shock" treatment is used, the blowdown should be discontinued for 24-48 hours.

Do not reuse empty container. Destroy it by burying it with waste o burning it. Stay out of smoke of fumes.

This product is toxic to fish. Treated effluent should not be dischar where it will drain into lakes, streams, ponds or public water. Do contaminate water by cleaning of equipment, or disposal of was Apply this product only as specified on this label.

WARNING KEEP OUT OF REACH OF CHILDRE

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MAY BE HARMFUL OR FATAL IF SWALLOWED
Do Not Get in Eyes, on Skin, or on Clothing
Wear Safety Glasses with Side Shields

FIRST AID: In case of eye contact, flush eyes immediately with plent water for at least 15 minutes and get medical attention. In case of contact, wash with soap and plenty of water. Wash contaminated cl ing before reuse.

If swallowed, induce vomiting by sticking finger down the throat o giving soapy or strong salty water to drink. Repeat until vomit is cl Call a physician. Never give anything by mouth to an unconsci person.

WASH THOROUGHLY AFTER HANDLING

NOTICE: Seller warrants that the product conforms to its chemical descrip and is reasonably fit for the purposes stated on the label when used in acc ance with directions under normal conditions of use, but neither this warr nor any other warranty of MERCHANTABILITY or FITNESS FOR A PARTICU PURPOSE, express or implied, extends to the use of this product contra label instruction, or under abnormal conditions or under conditions not rea ably foreseeable to seller, and buyer assumes the risk of any such use.

NET CONTENTS 6 GALLONS

KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE

EPA EST. 5736-OH-1 • DL-288 1075

TECHNICAL DATA

FROM RESEARCH LABORATORY

GAX-20
Antimicrobial for Cooling Towers

GENERAL DESCRIPTION: GAX-20 is an easily biodegradable biocide for controlling bacterial growth in industrial cooling towers. It is effective at quite low concentrations. It should not be introduced into water containing aquatic life.

E.P.A. Registration No. 5736-55-AA

PROPERTIES:

Appearance.....A greenish amber colored liquid
Odor.....Faint, chlorine type
Freezing Point.....Below 0°F.
Density.....9.6 pounds per gallon
Compatibility.....Easily dissolves in cooling waters at the secified concentrations.

USING DIRECTIONS:

CONTROLLING FOULED SYSTEMS - Slug Method

1. Systems badly fouled by biological growths should be mechanically cleaned prior to using GAX-20. Scrape, brush and hose surfaces, flushing the bulk of this matter from the system.

2. Check the "P" alkalinity of the cooling water with a test kit. If the system shows no "P" alkalinity, proceed with treatment. Systems showing "P" alkalinity should be treated with LIQUID DICA using the amount calculated as follows:

ppm of "P" alkalinity x .42 = Fluid ounces of LIQUID DICA required per 1000 gallons of system water.

EXAMPLE: System is estimated to have 5,000 gallons of water and system water titrates 3 drops or 30 ppm of "P" alkalinity. 30 x .42 = 12.6 fluid ounces per 1000 gallons
Use $\frac{5000}{1000}$ x 12.6 = 63 fluid ounces of LIQUID DICA for system

Shut off tower bleed, and add the calculated amount of LIQUID DICA to the basin of the tower.

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3. Add 2.4 to 4.8 fluid ounces of GAX-20 per 1000 gallons of water in the system. Feed GAX-20 to the tower basin or any point of rapid agitation. Allow to circulate with the tower bleed turned off until microbiological control is achieved. The tower bleed may be discontinued for as long as 24 hours. When control is evident, add 1.2 to 4.8 fluid ounces of GAX-20 per 1000 gallons of water in the system every four (4) days, or as needed to maintain control.

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Printed in U.S.A.

USING DIRECTIONS: (Continued)

MAINTENANCE CONTROL METHOD

1. Heavily fouled systems should be brought under control by the slug method.

2. Control over fouling tendency in the system may be obtained by adding 0.48 to 4.8 fluid ounces of GAX-20 per 1000 gallons of system water, depending on the severity of fouling. Addition is made by a metering pump using either continuous or intermittent addition. Treatment is determined by the needs and by retention time of the system. Control may be maintained by pumping a continuous feed of 0.24 to 2.4 fluid ounces of GAX-20 per 1000 gallons of water discharged by bleed.

PRECAUTIONS:

WARNING: MAY CAUSE INJURY TO EYES - MAY BURN THE SKIN - MAY BE HARMFUL OR FATAL IF SWALLOWED. Do not get in eyes, on skin, or on clothing. Wear chemical safety glasses with side shields.

FIRST AID: In case of eye contact, flush eyes immediately with plenty of water for at least 15 minutes and get medical attention. In case of skin contact, wash with soap and plenty of water. Wash contaminated clothing before reuse.

If swallowed, induce vomiting by sticking finger down the throat or by giving soapy or strong salty water to drink. Repeat until vomit is clear. Call a physician. Never give anything by mouth to an unconscious person.

WASH THOROUGHLY AFTER HANDLING.

This product should not be used in the production of paper or paperboard that comes in contact with food.

Do not reuse empty container. Destroy it by perforating or crushing. Bury or discard it in a safe place away from water supplies.

This product is toxic to fish. Treated effluent should not be discharged where it will drain into lakes, streams, ponds, or public water. Apply this product only as specified on the label. Do not contaminate water by cleaning of equipment or disposal of wastes.

KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE.

PACKAGING:

6 gallon plastic pails (22.7 liters).