



GAX-8
ANTIMICROBIAL

DIVISION OF CHEMED CORPORATION

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

—SOLELY FOR INDUSTRIAL USE—

GAX-8

ANTIMICROBIAL

ACCEPTED
August 25, 1975
UNDER THE FEDERAL PESTICIDE
FUNGICIDE IN, RODENTICIDE ACT
FOR ECONOMIC PEASONS. REGISTERED
UNDER NO. 5736-50

Controls bacteria in industrial recirculating water cooling towers.

Active Ingredient: 2,2-Dibromo-3-nitrilopropionamide 20%

Inert Ingredients: 80%

GAX-8 weighs 9.6 pounds per gallon

E.P.A. Registration No. 5736-50

DANGER KEEP OUT OF REACH OF CHILDREN
CAUSES SEVERE BURNS OF EYES • MAY BURN THE SKIN
MAY BE HARMFUL OR FATAL IF SWALLOWED
Do Not Get in Eyes, on Skin, or on Clothing
Wear Chemical Workers' Goggles when Handling

Note: Refer to the Technical Bulletin for GAX-8 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 DIRECTIONS

INDUSTRIAL RECIRCULATING WATER: Control of bacteria growths in cooling towers, at other point of uniform mixing). Add 0.0005-0.0095 gallons of water in the system, depending on the amount of water in the system, depending on the amount of water in the system, depending on the amount of water in the system. Add 0.0005-0.0095 gallons of GAX-8 will provide 1.2 to 2.4 ppm of active ingredient. Addition should be made with continuous or intermittent, depending on the amount of water in the system. Addition should be made with continuous or intermittent, depending on the amount of water in the system. Addition should be made with continuous or intermittent, depending on the amount of water in the system.

Intermittent or Slug Method:

Initial Dose: When the system is noticed to be fouled, add 1.0 gal. GAX-8/1,000 gal. water in the system. GAX-8 will provide 1.2 to 2.4 ppm of active ingredient. Control is achieved.

Subsequent Dose: When microbial control is maintained, add 1.0 gal. GAX-8/1,000 gal. water in the system to maintain control. Badly fouled systems must be cleaned before treatment is begun.

Continuous Feed Method:

Initial Dose: When the system is noticed to be fouled, add 1.0 gal. GAX-8/1,000 gal. of water to the system. This level is maintained by pumping a continuous feed of 1.0 gal. of water in the system lost by evaporation.

Badly fouled systems must be cleaned before treatment is begun.

Optimum performance with this product is achieved with intermittent treatment. If "shock" treatment is used, it should be discontinued for 24-48 hours.

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USING DIRECTIONS:

INDUSTRIAL RECIRCULATING WATER COOLING TOWERS: For control of bacteria growths in cooling towers, add GAX-8 to the basin (or any other point of uniform mixing). Add 0.00095-0.0095 gal. GAX-8/1,000 gal. of water in the system, depending on the severity of contamination; 0.99985-0.0095 gallons of GAX-8 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 0.0048-0.0095 gal. GAX-8/1,000 gal. water in the system; 0.0048 to 0.0095 gallons of GAX-8 will provide 1.2 to 2.4 ppm of active ingredient. Repeat until control is achieved.

Subsequent Dose: When microbial control is evident, add 0.0024-0.0095 gal. GAX-8/1,000 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 0.0048-0.0095 gal. GAX-8/1,000 gal. of water to the system. Subsequently, maintain this level by pumping a continuous feed of 0.0048-0.0048 gal. GAX-8/1,000 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 or by burning it. Stay out of smoke or fumes.

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

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MAY BE HARMFUL OR FATAL IF SWALLOWED

Do Not Get in Eyes, on Skin, or on Clothing

Wear Chemical Workers' Goggles when Handling

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

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

NET CONTENTS SHOWN ELSEWHERE ON CONTAINER
KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE

TECHNICAL DATA

FROM RESEARCH LABORATORY

Pm 34
GAX-8
Antimicrobial for Cooling Towers

GENERAL DESCRIPTION:

GAX-8 is an envirodegradable biocide for controlling bacterial growths in industrial cooling towers. It is effective at quite low concentrations. It should not be introduced into waters containing aquatic life.

E.P.A. Registration No. 5736-

PROPERTIES:

Appearance	A greenish amber colored liquid
Odor	Faint, chlorine type
Freezing Point	Below 0°F.
Density	10.4 pounds per gallon
Compatibility	Easily dissolves in cooling waters at the specified concentrations.

USING DIRECTIONS:

CONTROLLING FOULED SYSTEMS - Slug Method

1. Systems badly fouled by biological growths should be mechanically cleaned prior to using GAX-8. 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
 $30 \times .42 = 12.6$ fluid ounces per 1,000 gallons
Use $\frac{5000}{1000} \times 12.6 = 63$ 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.

3. Add 0.6 to 1.2 fluid ounces of GAX-8 per 1,000 gallons of water in the system. Feed GAX-8 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 0.3 to 1.2 fluid ounces of (over)



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DuBOIS CHEMICALS, DIVISION OF CHEMED CORPORATION / HJP:ik / 2-25-75

USING DIRECTIONS:
(Continued)

GAX-8 per 1,000 gallons of water in the system every four (4) days, or as needed to maintain control.

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 0.12 to 1.2 fluid ounces of GAX-8 per 1,000 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 0.06 to 0.6 fluid ounces of GAX-8 per 1,000 gallons of water discharged by bleed.

PRECAUTIONS:

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KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE.

PACKAGING:

6 gallon plastic pails (22.7 liters).
Net weight 63 pounds (28.7 kilograms).