

MAY 10 1990

DuBois Chemicals Inc.
5th & Walnut Streets
Cincinnati, OH 45202

Attention: Joe D. Slone
Senior Regulatory Specialist

Subject: GAX-20
EPA Registration Number 5736-55
Your Submission Dated April 16, 1990

This is in response to your request to amend the registration of the subject product to include its use in metal working fluids, containing water.

The amendment referred to above, submitted in connection with registration under section 3(c)(7)(A) of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), is acceptable provided that you:

1. Submit/cite all data required for registration/reregistration of your product under FIFRA section 3(c)(5) when the Agency requires all registrants of similar products to submit such data.
2. Submit five (5) copies of your final printed labeling before you release the product for shipment.

BEST AVAILABLE COPY

58567;I:CR-43;Douglas;K-8;KENCO;05/03/90;06/03/90;ka;SW;VO;EK;CT

CONCURRENCES							
SYMBOL							
SURNAME							
DATE							

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

Sincerely yours,



Walter C. Francis
Acting Product Manager (32)
Antimicrobial Program Branch
Registration Division (H7505C)

Enclosure

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PRODUCT NO. 02273

GAX-20

ANTIMICROBIAL

**CONTROLS BACTERIA AND ALGAE IN INDUSTRIAL
RECIRCULATING WATER COOLING TOWERS**

Controls Slime-Forming Bacteria and Fungi in Air-Washer Systems*

CONTROLS BACTERIA, FUNGI, AND YEASTS IN PAPER MILLS

Active Ingredient: 2,2-Dibromo-3-nitropropionamide 5%
Inert Ingredients: 95%

**KEEP OUT OF REACH OF CHILDREN
DANGER**

**CAUSES SEVERE BURNS OF EYES
CAUSES SKIN IRRITATION
HARMFUL IF SWALLOWED**

Do Not Get in Eyes, on Skin, or Clothing

Wear Chemical Worker's Goggles when Handling

STATEMENT OF PRACTICAL TREATMENT:

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. Get medical attention if irritation persists. If swallowed induce vomiting immediately by giving two glasses of water and sticking finger down throat. Repeat until vomit is clear. Call a Physician. Never give anything by mouth to or unconscious person.

WASH THOROUGHLY AFTER HANDLING

KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE

Net Contents Indicated Elsewhere On Container

EPA Registration No 5736-55 EPA Est No 5736-04-1

*Note: For use only in industrial air-washer systems that maintain effective mass disinfection components.

Precautionary Statements

Hazards to Humans and Domestic Animals

**KEEP OUT OF REACH OF CHILDREN
DANGER**

Corrosive: Causes eye damage and skin irritation. Do not get in eyes, on skin, or on clothing. Wear goggles or face shield and rubber gloves when handling. Harmful if swallowed. Avoid contamination of food.

PHYSICAL HAZARDS: Do not use near open flame or other heat source.

STORAGE AND DISPOSAL

- Do not contaminate water, food, or feed by storage or disposal.
- Open burning is prohibited.
- Do not reuse empty container.

Prohibited Disposal: Prohibited wastes are acutely hazardous. Improper disposal of acute hazardous wastes may be a violation of Federal law. If these wastes must be disposed of by the user, contact your State, Federal, or Environmental Control Agency, or the Hazardous Waste representative in the nearest EPA Regional Office for guidance.

Container Disposal: Triple rinse (or equivalent). Then offer for recycling or reconditioning or incineration and disposal of a secondary waste, or incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

DIRECTIONS FOR USE

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

NOTE: ADD GAX-20 SEPARATELY TO THE SYSTEM. DO NOT MIX IT WITH OTHER ADDITIVES.

INDUSTRIAL RECIRCULATING WATER COOLING TOWERS

Add GAX-20 to the basin (or any other part of system) through addition should be made over 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.

Optimum performance with this product is obtained by continuous or intermittent treatment. If shock treatment is used, the flowdown should be discontinued for 24 hours.

ONCE THROUGH INDUSTRIAL COOLING WATER SYSTEMS

For controlling bacteria, fungi, and algae in once-through and closed-cycle basin and hot water cooling systems, cooling ponds, canals, and lagoons, add GAX-20 to the system after water or before any other contaminant area in the system. 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.

FOR CONTROL OF BACTERIA

Add 0.0030-0.0080 gal GAX-20/1,000 gal of water in the system depending on the severity of contamination.

INTERMITTENT OR SLUG METHOD

Initial Dose: When the system is noticeably fouled, add 0.019-0.030 gal GAX-20/1,000 gal of water in the system. Repeat until control is achieved.

Subsequent Dose: When microbial control is evident, add 0.0095-0.020 gal GAX-20/1,000 gal of water in the system every 4 days, or as needed to maintain control.

Heavily fouled systems must be cleaned before treatment is begun.

CONTINUOUS FEED METHOD

Initial Dose: When the system is noticeably fouled, add 0.019-0.030 gal GAX-20/1,000 gal of water in the system. Subsequently maintain this level by pumping a continuous feed of 0.0019-0.010 gal GAX-20/1,000 gal of water in the system over 24 hours.

Heavily fouled systems must be cleaned before treatment is begun.

FOR CONTROL OF FUNGI AND ALGAE

Add 0.116-0.300 gal GAX-20/1,000 gal of water in the system, depending on severity of contamination.

INTERMITTENT OR SLUG METHOD

Initial Dose: When the system is noticeably fouled, add 0.116-0.300 gal GAX-20/1,000 gal of water in the system. Repeat until control is achieved.

Subsequent Dose: When microbial control is evident, add 0.116-0.300 gal GAX-20/1,000 gal of water in the system every 2 days, or as needed to maintain control.

Heavily fouled systems must be cleaned before treatment is begun.

CONTINUOUS FEED METHOD

Initial Dose: When the system is noticeably fouled, add 0.116-0.300 gal GAX-20/1,000 gal of water in the system. Subsequently maintain this level by pumping a continuous feed of 0.116-0.300 gal GAX-20/1,000 gal of water in the system every 2 days, or as needed to maintain control.

Heavily fouled systems must be cleaned before treatment is begun.

AIR WASHER SYSTEMS

Add 0.0070-0.021 gal GAX-20/1,000 gal of water in the system, depending on the severity of contamination to control bacteria and fungi.

INTERMITTENT OR SLUG METHOD

Initial Dose: When the system is noticeably fouled, add 0.0070-0.021 gal GAX-20/1,000 gal of water in the system. Repeat until control is achieved.

Subsequent Dose: When microbial control is evident, add 0.0070-0.021 gal GAX-20/1,000 gal of water in the system every 2 days, or as needed to maintain control.

Heavily fouled systems must be cleaned before treatment is begun.

CONTINUOUS FEED METHOD

Initial Dose: When the system is noticeably fouled, add 0.0070-0.021 gal GAX-20/1,000 gal of water in the system. Subsequently maintain this level by pumping a continuous feed of 0.0070-0.021 gal GAX-20/1,000 gal of water in the system every 2 days, or as needed to maintain control.

Heavily fouled systems must be cleaned before treatment is begun.

PAPER MILLS

For the control of bacterial, fungal, and yeast growth in pulp, paper, and mill effluent, add GAX-20 at the rate of 0.005-0.021 gal of water in the system. Addition may be continuous or intermittent, depending upon the type and severity of contamination. It should be made with a metering pump. Do not use where a direct discharge of GAX-20 in the mass of fiber or at the bottom of a pond may be discharged. Do not discharge into the water.

Heavily fouled systems should be cleaned before treatment is begun. GAX-20/1,000 gal of water in the system. Repeat until control is achieved.

Subsequent Dose: When microbial control is evident, add 0.005-0.021 gal GAX-20/1,000 gal of water in the system every 2 days, or as needed to maintain control.

Heavily fouled systems must be cleaned before treatment is begun.

FOR CONTROL OF BACTERIA

Add 0.0030-0.0080 gal GAX-20/1,000 gal of water in the system depending on the severity of contamination.

INTERMITTENT OR SLUG METHOD

Initial Dose: When the system is noticeably fouled, add 0.019-0.030 gal GAX-20/1,000 gal of water in the system. Repeat until control is achieved.

Subsequent Dose: When microbial control is evident, add 0.0095-0.020 gal GAX-20/1,000 gal of water in the system every 4 days, or as needed to maintain control.

Heavily fouled systems must be cleaned before treatment is begun.

CONTINUOUS FEED METHOD

Initial Dose: When the system is noticeably fouled, add 0.019-0.030 gal GAX-20/1,000 gal of water in the system. Subsequently maintain this level by pumping a continuous feed of 0.0019-0.010 gal GAX-20/1,000 gal of water in the system over 24 hours.

Heavily fouled systems must be cleaned before treatment is begun.



Insert
Claim
Here