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US ENVIRONMENTAL PROTECTION AGENCY  
OFFICE OF PESTICIDES PROGRAMS  
REGISTRATION DIVISION (TS-767)  
WASHINGTON, DC 20460

EPA REGISTRATION NO.

DATE OF ISSUANCE

9386-34

AUG 08 1991

TERM OF ISSUANCE

NOTICE OF PESTICIDE:  REGISTRATION  
 REREГИSTRATION

(Under the Federal Insecticide, Fungicide,  
and Rodenticide Act, as amended)

NAME OF PESTICIDE PRODUCT

AMA-204

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

Vinings Industries, Inc.  
3950 Cumberland Parkway  
Atlanta, GA 30304-9101

BEST AVAILABLE COPY

NOTE: Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an indorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA section 3(c)(7)(A) provided that you:

1. Submit/cite any data or other material required for registration/reregistration of your product under FIFRA section 3(c)(7) or FIFRA section 3(c)(7)(A) when the Agency requires all registrants of similar products to submit such data.

2. Make the following changes listed below before you release the product for shipment:

- Add the phrase "EPA registration no. 9386-34."
- Include the statement "Net Contents."
- Delete the word "EPA" and "EPA" is not your registration number.
- Add a reference statement:

to the label for additional precautionary statements.

- Delete the word "temporarily."


ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL

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.

John H. Lee   
Product Manager (31)  
Antimicrobial Program Branch  
Registration Division (H7505C)

Enclosure

# TEMPORARY

## TECHNICAL DATA

AMA-204  
(Antimicrobial Agent)

### DESCRIPTION:

AMA-204 is an excellent, non-foaming, non-ionic algicide for use in recirculating cooling water systems and in decorative and ornamental fountains.

### COMPOSITION:

#### ACTIVE INGREDIENT:

Terbutylazine:

2-(Tert-butylamino)-4-chloro-6-(ethylamino)-S-triazine ..... 4.0%

INERT INGREDIENTS: ..... 96.0%

TOTAL ..... 100.0%

### TYPICAL PROPERTIES:

Appearance: Off White Dispersion

Density: 9.2 lb/gal

Flash Point: Over 200°F

Solubility: Complete at use concentration

pH: 7 - 9

Viscosity: 500 - 1,000cps @ 25°C

### STATEMENT OF PRACTICAL TREATMENT

**EYES:** Flush eyes with plenty of water for at least 15 minutes. Get medical attention.

**SKIN:** Flush skin with plenty of water or wash with mild soap and water.

**INGESTION:** If conscious, give plenty of water and induce vomiting by placing finger in back of throat. Get medical attention.

### PRECAUTIONARY STATEMENTS

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

#### CAUTION

Harmful if swallowed or absorbed through the skin. Avoid contact with skin and clothing. Wash thoroughly after handling. Remove and wash contaminated clothing before reuse.

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**DIRECTIONS FOR USE.**

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

**FOR CONTROL OF ALGAE IN RECIRCULATING COOLING WATER SYSTEMS AND IN DECORATIVE AND ORNAMENTAL FOUNTAINS**

AMA-204 controls algal growth in various recirculating cooling water systems, including evaporative condensers, heat-exchange water systems, and commercial and industrial cooling towers.

**When to Apply:** Treat the water early in the algal growth period (typically early Spring) before the system is in jeopardy of becoming fouled by algae. For maximum effectiveness, systems with heavy algal growth should be cleaned before using AMA-204.

**Treatment of algae in recirculating water cooling towers and in decorative and ornamental fountains:** Apply AMA-204 at a point in the system where there is good mixing such as in the cooling tower sump near the recirculating water pump or near the fountain recirculating water pump. AMA-204 is slow to remove algae from a system because it inhibits their growth, and therefore, its action will not result in rapid fouling of the distribution deck orifices or the heat exchanger of a cooling tower.

**Chlorinated Systems and/or Brominated Systems**

(i) **Continuous addition:** To keep systems free of algae maintain up to 3 fluid ounces per 1,000 gallons of water, or about 25 ppm, of AMA-204 in the system water (which is equivalent to about 1 ppm active ingredient) in conjunction with either continuous dosing or regular shock doses (for example, one hour, twice a day) of 0.1 - 1 ppm free chlorine and/or bromine. In order to achieve a maintenance level of 25 ppm AMA-204 by continuous addition it will be necessary to have an appropriate dosing pump and know the half-life, volume, evaporation rate and windage loss of the system.

(ii) **Slug/intermittent addition:** Apply sufficient AMA-204 to maintain up to 25 ppm AMA-204 in the system water together with chlorination and/or bromination as described under the continuous addition section. Dosing concentrations and frequency will be dependant upon a system's volume and half-life. For example, to maintain 25 ppm AMA-204 in a system with a volume of 10,000 gallons and a half-life of 3 days, an initial dose of 50 ppm AMA-204 would be required (about 60 fluid ounces in 10,000 gallons), followed by additions of 25 ppm AMA-204 (about 30 fluid ounces in 10,000 gallons) every 3 days.

For both continuous and slug/intermittent addition of AMA-204, concentrations below a maintenance level of 25 ppm AMA-204 may give adequate control, depending upon the strains of algae present. Experience will demonstrate the maintenance concentration required.

It is recommended that AMA-204 be dosed at the same time as the chlorine and/or bromine is dosed and as close as possible to the chlorine and/or bromine dosing point.

**Non-Chlorinated and/or Brominated Systems**

AMA-204 should be dosed to maintain up to 9 fluid ounces per 1,000 gallons of water, or about 75 ppm, AMA-204 (which is equivalent to about 3 ppm active ingredient) in the system water. AMA-204 can be dosed either continuously or by slug/intermittent addition to the system water to achieve the desired maintenance level. The quantity and frequency of AMA-204 additions to any given system will be dependant upon its half-life, volume, evaporation rate and windage loss.

For both continuous and slug/intermittent addition of AMA-204, concentrations below a maintenance level of 75 ppm AMA-204 may give adequate control, depending upon the strains of algae present. Experience will demonstrate the maintenance concentration required.

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AMA-204

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### **PRECAUTION**

Do not use AMA-204 in cooling systems or fountains where the treated water will come into contact with lawns, trees, shrubs, or other desirable plants, since injury may result. Water from treated systems may not be used for irrigation or spraying of agricultural crops, lawns, or ornamental plants, or for watering cattle, goats, hogs, horses, poultry, or sheep, or for human consumption.

### **TECHNICAL ASSISTANCE**

Our staff is available to assist in the application of Vinings' products. You may request assistance through your sales representative or by contacting Vinings Industries at 800-347-1542.

### **STORAGE AND DISPOSAL**

**DO NOT CONTAMINATE WATER, FOOD, OR FEED BY  
STORAGE OR DISPOSAL**

**STORAGE:** Protect from freezing

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved disposal facility.

**CONTAINER DISPOSAL:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incinerate, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

### **ENVIRONMENTAL HAZARDS**

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or public waters unless this product is specifically identified and addressed in an NPDES permit. Do not discharge effluent containing this product to sewer systems without notifying the sewage treatment plant authority. For guidance contact your state water board or regional office of the EPA.

### **SHIPPING POINT:**

Marietta, GA

05/91

### **PACKAGING:**

50 Gallon drums  
30 Gallon Drums  
250 Gallon bins

ACCEPTED  
with COMMENTS  
In EPA Form 100-1

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