

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.

reatment 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 brominations 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 MA®-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.

PM 31 9386-34

1044

AMA®-204

AMA®-204 IS AN AQUEOUS DISPERSION

Active Ingredient:

Terbutylazine

2-(tert-butylamino)-4-chloro-6-(ethylamino)-S-triazine

4%

Inert Ingredients:

TOTAL

96%

100%

(FOR INDUSTRIAL OR INSTITUTIONAL USE ONLY)

KEEP OUT OF REACH OF CHILDREN

MAY 16 1995

CAUTION

STATEMENT OF PRACTICAL

ACCEPTED
Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under 9386-34

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.

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.

EPA REGISTRATION No. 9386-34 EPA ESTABLISHMENT No. 9386-GA-1

**MANUFACTURED BY
VININGS INDUSTRIES, INC.
MARIETTA, GEORGIA 30062**

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.

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.

ENVIRONMENTAL HAZARDS

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

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.

03/23/95

450 LBS.

1/10/95

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:

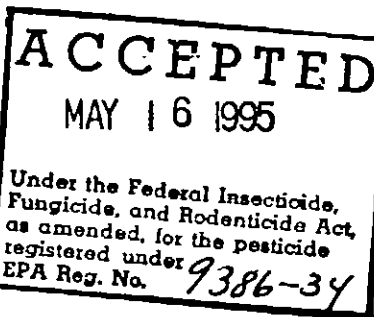
Terbutylazine:

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

Inert Ingredients:

TOTAL

4%
96%
100%



TYPICAL PROPERTIES:

Appearance: Off white dispersion

Flash Point: Over 200°F

pH: 6 - 9

Freezing Point: 30 - 35°F

Solubility: Complete at use

concentration

Viscosity: 400 - 1000 cps @ 25°C

Density: 8.4 lb/gal

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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 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, or 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.

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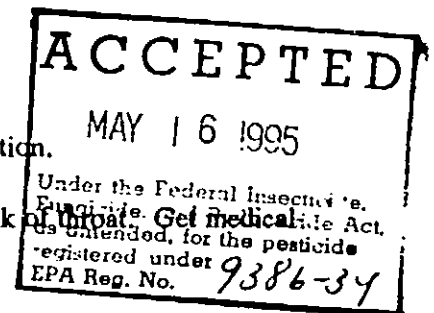
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STATEMENT OF PRACTICAL TREATMENT:

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HAZARD TO HUMANS AND DOMESTIC ANIMALS

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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.

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STORAGE AND DISPOSAL:
DO NOT CONTAMINATE WATER, FOOD, OR FEED
BY STORAGE OR DISPOSAL

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ENVIRONMENTAL HAZARDS:

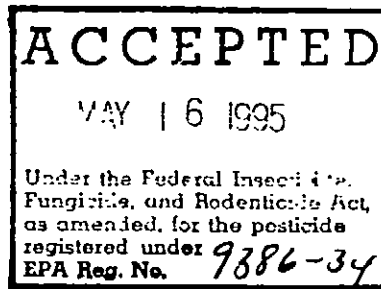
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SHIPPING POINT:

PACKAGING:

Marietta, Georgia
Washougal, Washington

55 gallon drums
30 gallon drums



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Form:AMA204.TDS
Date: 03/95
Revision: 2

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