

# AMA<sup>®</sup>-204

AMA<sup>®</sup>-204 IS AN AQUEOUS DISPERSION

Active Ingredient:

Terbutylazine

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

Inert Ingredients: ..... 96%

TOTAL ..... 100%

(FOR INDUSTRIAL OR INSTITUTIONAL USE ONLY)

**KEEP OUT OF REACH OF CHILDREN**

## CAUTION

First Aid	
<b>If in eyes:</b>	<ul style="list-style-type: none"> <li>- Hold eye open and rinse slowly and gently with water for 15-20 minutes</li> <li>- Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>- Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If swallowed:</b>	<ul style="list-style-type: none"> <li>- Call poison control center or doctor immediately for treatment advice.</li> <li>- Have person sip a glass of water if able to swallow.</li> <li>- Do not induce vomiting unless told to do so by the poison control center or doctor.</li> <li>- Do not give anything by mouth to an unconscious person.</li> </ul>
<b>If on skin or clothing:</b>	<ul style="list-style-type: none"> <li>- Take off contaminated clothing.</li> <li>- Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>- Call a poison control center or doctor for treatment.</li> </ul>
<b>If inhaled:</b>	<ul style="list-style-type: none"> <li>- Move person to fresh air</li> <li>- If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.</li> <li>- Call a poison control center or doctor for further treatment.</li> </ul>
<p>Have product container, label or label information with you when calling a poison control center or doctor or going for treatment.</p> <p>Contact CHEMTREC at 800-424-9300 for additional information See side panel for additional precautionary statements</p>	

**MANUFACTURED BY**

# KEMIRA

**KEMIRA CHEMICALS, INC.**

**245 TownPark Drive, Suite 200**

**Kennesaw, Georgia 30144**

EPA REG. No. 9386-34 EPA EST. No. 55618-SC-01

## 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<sup>®</sup>-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.

Open pouring of this product is prohibited.

Mixing, loading and application must be with a closed system (one that prevents the chemical from contacting handlers or other persons) and during handling of the chemical personal protective equipment must be worn. Personal protective equipment includes a long-sleeved shirt, long pants, shoes, socks, and chemical-resistant gloves. A chemical-resistant apron must be immediately available during loading and application and must be worn in case of a leak, spill, or other exposure to the concentrate.

**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.

DENSITY 8.4 LBS/GAL

LABEL DATE: 09-Jan-03

**ACCEPTED**

JAN 29 2003

LOT#

NET WT. X,XXX Pounds

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide, registered under EPA Reg. No. 9386-34

9386-34

1/29/2003

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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<sup>®</sup>-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<sup>®</sup>-204.

**TREATMENT OF ALGAE IN RECIRCULATING WATER COOLING TOWERS AND IN DECORATIVE AND ORNAMENTAL FOUNTAINS:** Apply AMA<sup>®</sup>-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<sup>®</sup>-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<sup>®</sup>-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<sup>®</sup>-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<sup>®</sup>-204 to maintain up to 25 ppm AMA<sup>®</sup>-204 in the system water together with chlorination and/or bromination as described under the continuous addition section. Dosing concentrations and frequency will be dependent upon a system's volume and half-life. For example, to maintain 25 ppm AMA<sup>®</sup>-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<sup>®</sup>-204 would be required (about 60 fluid ounces in 10,000 gallons), followed by additions of 25 ppm AMA<sup>®</sup>-204 (about 30 fluid ounces in 10,000 gallons) every 3 days.

For both continuous and slug/intermittent addition of AMA<sup>®</sup>-204, concentrations below a maintenance level of 25 ppm AMA<sup>®</sup>-204 may give adequate control, depending upon the strains of algae present. Experience will demonstrate the maintenance concentration required. It is recommended that AMA<sup>®</sup>-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<sup>®</sup>-204 should be dosed to maintain up to 9 fluid ounces per 1,000 gallons of water, or about 75 ppm, AMA<sup>®</sup>-204 (which is equivalent to about 3 ppm active ingredient) in the system water. AMA<sup>®</sup>-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<sup>®</sup>-204 additions to any given system will be dependent upon its half-life, volume, evaporation rate and windage loss.

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

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