



U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Antimicrobials Division (7510C)
1200 Pennsylvania Avenue, N.W.
Washington, D.C. 20460

EPA Reg. Number:
9386-43

Date of Issuance:
OCT 13 2005

Term of Issuance:
CONDITIONAL

Name of Pesticide Product:
AMA-1500G

NOTICE OF PESTICIDE:
 X Registration
 Re-registration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP code):

Kemira Corporation
245 Townpark Drive, Suite S-200
Kennesaw, GA 30144-5515

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Antimicrobials Division prior to use of the label in commerce. In any correspondence on this product always refer to the above 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, as amended.

Registration is in no way to be construed as an endorsement or recommendation of this product by the 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 and/or cite all data required for registration of your product under FIFRA Section 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for re-registration of your product under FIFRA Section 4, or as required by registration review under FIFRA Section 3(g).

2. Make the following labeling changes:

a. Revise the EPA Registration Number to read,
EPA Reg. No.9386-43.

Signature of Approving Official:

Marshall Swindell, Product Manager, Team 33,
Regulatory Management Branch I, Antimicrobials Division

Date:

OCT 13 2005

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EPA Reg. No. 9386-43

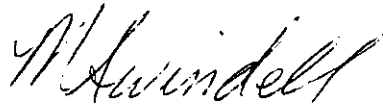
3. Submit three copies of a final printed production label.

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 accepted label is enclosed for your records.

If you have any questions concerning this letter, please contact Karen M. Leavy at (703)-308-6237.

Sincerely,



Marshall Swindell
Product Manager 33
Regulatory Management Branch 1
Antimicrobial Division(7510C)

Enclosure

AMA®-1500G labeling, left panel (1 of 4)

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
DANGER
KEEP OUT OF REACH OF CHILDREN

Corrosive. Causes irreversible eye damage. Causes skin burns. Harmful if inhaled. May be fatal if swallowed. Harmful if absorbed through skin. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Causes asthmatic signs and symptoms in hyper-reactive individuals.

Do not get in eyes, on skin, on clothing.
 Avoid breathing vapor. Do not swallow.
 Wear goggles, protective clothing, and butyl or nitrile gloves.
 Wash thoroughly with soap and water after handling.
 Remove contaminated clothing and wash before reuse.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. 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 HANDLING

AMA®-1500G is incompatible with many commonly used materials of construction such as steel, galvanized iron, aluminum, tin, and zinc. AMA®-1500G can be stored and handled in baked phenolic-lined steel, polyethylene, stainless steel, or reinforced epoxy plastic equipment. This product freezes at about -6°F (-21°C). Therefore, unless the storage tank is inside or underground, heating and insulation may be required. If heating is needed, exposure to high temperatures should be avoided. For short storage times (up to about 1 month), temperatures of up to 100°F (37.8°C) can be tolerated but the preferred maximum storage temperature is about 80°F (26.7°C). A stainless steel centrifugal pump is suggested for transfer service. Spiral-wound stainless steel with TEFLON® Polymer is suitable for gaskets and packing.

Handle in a well-ventilated area. If vapors are irritating to the nose or eyes, special ventilation or respiratory protection (MSHA/NIOSH approved air purifying respirator equipped with an organic vapor cartridge) may be required.

STORAGE AND DISPOSAL

PESTICIDE DISPOSAL: Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited. Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or your Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: **Metal Containers or Plastic Containers:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or other procedures approved by state and local authorities. **Plastic Containers:** May be incinerated, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke. **Metal Containers:** Must not be incinerated. Do not cut or weld on or near metal containers.

IN CASE OF AN EMERGENCY endangering life or property involving this product, call CHEMTREC 1-800-424-9300



ACCEPTED
 with COMMENTS
 EPA Letter Dated:

OCT 13 2005

Under the Federal Insecticide,
 Fungicide, and Rodenticide Act as
 amended, for the pesticide,
 registered under EPA Reg. No.
 9386-43

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AMA®-1500G labeling, Title panel (2 of 4)

AMA®-1500G

A highly effective Microbiocide for use in controlling Bacteria including Slime Forming Bacteria and Sulfate-Reducing Bacteria, Fungi (Yeast and Molds) and Algae in Air washers and Industrial Scrubbing Systems, Recirculating Cooling and Process Water Systems including those that contain Reverse Osmosis Membranes and Service Water and Auxiliary Systems, Heat Transfer Systems, Wastewater Systems including Wastewater Sludge and Holding Tanks, Beet Sugar Mills and Beet Sugar Mill Process Water Systems, Paper Mills and Paper Mill Process Water Systems, Pigments and Filler Slurries for Paper and Paperboard, Water Based Coatings for Paper and Paperboard and Functional Fluids and Lubricants and Aqueous Metalworking Fluids and for use by Manufacturers as a Preservative in Industrial, Institutional and Consumer Processes and Products and for use in Preserving Aqueous-Based Solutions, Slurries and Emulsions and a Molluscicide for use in controlling Macrofouling in Service Water and Auxiliary Systems and Recirculating Cooling and Process Water Systems and in Oil Well Drilling, Oil Field Processing Applications, Oil Field Water Systems, Gas Production and Transmission Pipelines and Systems, and Gas Storage Fields and Equipment; such as Steam-Injection Water Holding Tanks, Flood Water, Injection Water, Holding Pond Water, Disposal-Well Water, Water Holding Tanks, Fuel Storage Tanks and related Refinery and Oil Field Closed, Industrial Recirculating Water Handling Systems.

ACTIVE INGREDIENT: Glutaraldehyde 15.0%
INERT INGREDIENTS: 85.0%
Total 100.0%

KEEP OUT OF REACH OF CHILDREN

DANGER

FIRST AID

If swallowed:

- Call a poison control center or a doctor immediately for treatment advice.
- DO NOT INDUCE VOMITING.
- Do not give anything to drink.

If in eyes:

- Wash immediately and continuously with flowing water for at least 30 minutes.
- Remove contact lenses after the first 5 minutes and continue washing. Obtain prompt medical consultation, preferably from an ophthalmologist.
- Call a poison control center or a doctor immediately for treatment advice.

If on skin or clothing:

- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15-20 minutes.
- Call a poison control center or a doctor for treatment advice.

If inhaled:

- Move person to fresh air.
- If person is not breathing, call 911 or an ambulance, and then give artificial respiration, preferably mouth-to-mouth if possible.
- Call a poison control center or a doctor for further treatment advice.

NOTE TO PHYSICIAN: Aspiration may cause lung damage. Probable mucosal damage may contraindicate the use of gastric lavage.

Have the MSDS and, if available, the product container or label with you when calling a poison control center or a doctor, or going for treatment.

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS.

EPA Reg. No. 9388-XX

EPA Est. No. 9388-GA-3

Manufactured By

KEMIRA CHEMICALS, INC.
245 TownPark Drive, Suite 200
KENNESAW, GA 30144
Made in USA

ACCEPTED
with COMMENTS
EPA Letter Dated:

OCT 13 2005

Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
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9386-43

AMA[®]-1500G labeling, Directions for Use panel (3 of 4)

DIRECTIONS FOR USE

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

OCT 13 2005
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9386-43

AIR WASHERS AND INDUSTRIAL SCRUBBING SYSTEMS/ RECIRCULATING COOLING AND PROCESS WATER SYSTEMS

This product may be used only in industrial air washers and air washer systems which have mist-eliminating components. AMA[®]-1500G should be added at the application rates described below, to a water treatment system at a convenient point of uniform mixing such as the basin area. Addition may be made intermittently (SLUG DOSE) or continuously. Badly fouled systems can be shock treated with AMA[®]-1500G. Under these conditions, blowdown should be discontinued for up to 24 hours.

AMA[®]-1500G can be used in industrial process water systems that contain ultra filtration units and non-medical reverse osmosis membranes (where approved for compatibility by the membrane manufacturer) and associated distribution systems.

INTERMITTENT (SLUG DOSE) METHOD

Initial Dose: When the system is noticeably fouled, apply 4.1 to 8.2 fluid ounces of AMA[®]-1500G per 100 gallons of water in the system. Repeat until control is achieved.

Subsequent Dose: When microbial control is evident, add 1.6 to 4.1 fluid ounces of AMA[®]-1500G per 100 gallons of water in the system weekly, 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, apply 4.1 to 8.2 fluid ounces of AMA[®]-1500G per 100 gallons of water in the system.

Subsequent Dose: Maintain this treatment level by starting a continuous feed of 0.8 to 4.1 fluid ounces of AMA[®]-1500G per 100 gallons of water in the system per day.

Badly fouled systems must be cleaned before treatment is begun.

SERVICE WATER AND AUXILIARY SYSTEMS

AMA[®]-1500G should be used at the same application rates, and in the same manner as described above. It should be added to the system at a point that will allow for uniform mixing throughout the system.

HEAT TRANSFER SYSTEMS

(Evaporative Condensers, Dairy Sweetwater Systems, Hydrostatic Sterilizers and Retorts, and Pasteurizers and Warmers and Once-Through Cooling Water Systems)

AMA[®]-1500G should be used at the same application rates, and in the same manner as described above. It should be added to the system at a point of uniform mixing such as a basin area, sump area or other reservoir or collecting area from which the treated water will be circulated uniformly throughout the system.

INDUSTRIAL WASTEWATER SYSTEMS

(Wastewater Systems, Wastewater Sludge and Wastewater Holding Tanks)

AMA[®]-1500G should be added to a wastewater system or sludge at a convenient point of uniform mixing such as the digester. Add 1.4 to 7.2 gallons (1500 to 7,500 ppm AMA[®]-1500G) per 1,000 gallons of wastewater or sludge.

MACROFOULING CONTROL

AMA[®]-1500G should be added continuously to maintain a level of 20 ppm active ingredient in the system for a period of at least 96 hours.

Initial Dose: When macrofouling is present in the system, apply 16.3 fluid ounces of AMA[®]-1500G per 1,000 gallons of water in the system. Continue to add as needed to maintain the 20 ppm active ingredient level for a period of at least 96 hours.

BET SUGAR MILLS AND BET SUGAR MILL PROCESS WATER SYSTEMS

AMA[®]-1500G should be added to the system at a point of uniform mixing such as the diffuser, transport water pump, weir box, or diffuser feed water pump.

Additions may be made intermittently (SLUG DOSE) or continuously.

INTERMITTENT (SLUG DOSE) METHOD

Initial Dose: When the system is noticeably contaminated, add 19.6 to 49.1 fluid ounces (667 to 1,667 ppm product) of AMA[®]-1500G per ton or 640 to 1,600 mL of AMA[®]-1500G per metric ton of sliced beets as a slug dose. Repeat until control is achieved.

Subsequent Dose: When microbial control is evident, add 2.94 to 29.4 fluid ounces (96 to 960 ppm) of AMA[®]-1500G per ton or 96 to 960 mL of AMA[®]-1500G per metric ton of sliced beets in the system as a slug dose as necessary to maintain control. The total should not exceed 350 gallons per 1,000 tons of beets sliced per day.

CONTINUOUS FEED METHOD

Initial Dose: When the system is noticeably contaminated, add 19.6 to 49.1 fluid ounces/minute (667 to 1,667 ppm product) of AMA[®]-1500G per ton or 640 to 1,600 mL/minute of AMA[®]-1500G per metric ton of beets sliced per minute in the system via automatic pump of suitable construction.

Subsequent Dose: When microbial control is evident, add 2.94 to 29.4 fluid ounces/minute (100 to 1,000 ppm) of AMA[®]-1500G per ton or 96 to 960 mL/minute of AMA[®]-1500G per metric ton of beets sliced per minute in the system, or as necessary to maintain control. The total should not exceed 350 gallons per 1,000 tons of beets sliced per day.

PAPER MILLS AND PAPER MILL PROCESS WATER SYSTEMS

AMA[®]-1500G should be added to the paper making system at a point of uniform mixing such as the beaters, broke chest pump, save-all tank, or white-water tank.

Initial Dose: When the system is noticeably contaminated, add 1.7 to 9.9 lbs of AMA[®]-1500G per ton of pulp or paper (dry basis) as a slug dose. Repeat until control is achieved. Heavily fouled systems should be boiled out prior to initial treatment.

Subsequent Dose: When microbial control is evident, add 1.0 to 6.6 lbs of AMA[®]-1500G per ton of pulp or paper (dry basis) as a slug dose as necessary to maintain control.

PIGMENTS AND FILLER SLURRIES FOR PAPER AND PAPERBOARD

(For use in food contact and non-food contact pigments and AMA[®]-1500G filler slurries)

Use from 0.33 to 2.0 lbs. of AMA[®]-1500G per 1,000 lbs. of dry powder to produce a concentration from 333 to 2,000 ppm as product (based on slurry solids) in the mixed slurry.

WATER BASED COATINGS FOR PAPER AND PAPERBOARD

NOTE: For use in non-food contact coatings only.

Use from 0.33 to 2.0 lbs. of AMA[®]-1500G per 1,000 lbs. of dry powder to produce a concentration from 333 to 2,000 ppm as product (based on slurry solids) in the mixed slurry.

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AMA[®]-1500G labeling, right panel (4 of 4)

AQUEOUS METALWORKING FLUIDS

AMA[®]-1500G should be added to a metalworking fluid system at a point of uniform mixing such as the fluid collection tank. Additions may be made intermittently (SLUG DOSE) at intervals of one week or less.

Initial Dose: When the system is noticeably fouled apply 8.2 to 24.6 fluid ounces (100 to 300 ppm active) of AMA[®]-1500G per 100 gallons of metalworking fluid to the system. Repeat until control is achieved.

Subsequent Dose: When microbial control is evident, add 3.3 to 16.4 fluid ounces (40 to 200 ppm active) of AMA[®]-1500G per 100 gallons of metalworking fluid to the system weekly, or as needed to maintain control. Badly fouled systems should be cleaned before treatment begins.

WATER BASED CONVEYOR LUBRICANTS

(Brewery, Juice, Dairy, Beverage, and Food Processing Systems)

Avoid contamination of food in application of product.

Thoroughly clean all tracks and conveyors to remove gross soil. Rinse well. Use an automatic feed system as recommended by your Dow representative to provide 4.1 to 24.6 fluid ounces (50 to 300 ppm active) of AMA[®]-1500G per 100 gallons of diluted lubricant.

GENERAL PRESERVATIVE USE

AMA[®]-1500G per 100 is recommended for use in aqueous or water containing products and systems, including industrial, institutional and consumer in-can processes and products, to control the growth of bacteria and fungi. For effective preservation, add AMA[®]-1500G per 100 to the product formulation at a rate of 0.066% to 0.66% (660 to 6,660 ppm) based on the water content of the product (0.66 to 6.6 lbs AMA[®]-1500G per 100 per 1,000 lbs water content). Mix uniformly.

PRESERVATIVE FOR CONCENTRATES

For use in concentrates where effective preservation is needed after dilution, add AMA[®]-1500G to the product formulation at a rate such that the diluted end-use product will contain 0.066% to 0.66% AMA[®]-1500G.

At no time during the preservation process should the level of AMA[®]-1500G exceed 6.6%.

REVERSE OSMOSIS MEMBRANES

For effective preservation of reverse osmosis elements (where approved for compatibility by membrane manufacturer), immerse elements in a tank containing 0.66% to 6.6% AMA[®]-1500G. AMA[®]-1500G can also be added to in-line recirculating systems for preservation of installed out-of-service reverse osmosis equipment (where approved for compatibility by membrane manufacturer). Add 0.66% to 6.6% AMA[®]-1500G to the tank in the circulating system. Maintain the concentration of AMA[®]-1500G by periodic addition to counteract any system leakage.

CONCRETE ADMIXTURES

For effective preservation of concrete admixtures, add AMA[®]-1500G to the product formulation at a rate of 6,660 to 26,700 ppm based on the admixture (6.7 to 26.7 lbs AMA[®]-1500G per 1,000 lbs. concrete admixture). Mix uniformly.

WATER FLOODS

AMA[®]-1500G should be added to a water flood system at a point of uniform mixing.

Initial Treatment: When the system is noticeably contaminated, add 330 to 16,670 ppm AMA[®]-1500G to the system (0.3 to 16.0 gallons AMA[®]-1500G per 1,000 gallons flood water). Repeat until control is achieved.

Subsequent Dose: When microbial control is evident, add 67 to 16,670 ppm AMA[®]-1500G (0.06 to 16.0 gallons AMA[®]-1500G per 1,000 gallons flood water) to the system weekly, or as needed to maintain control.

DRILLING, COMPLETION, AND WORKOVER FLUIDS

AMA[®]-1500G should be added to a drilling fluid system at a point of uniform mixing such as the circulating mud tank.

Initial Treatment: Add 170 to 3,330 ppm AMA[®]-1500G (0.7 to 13.4 gallons AMA[®]-1500G per 100 barrels of fluid) to a freshly prepared fluid depending on the severity of contamination.

Maintenance Dosage: Maintain a concentration of 170 to 3,330 ppm AMA[®]-1500G by adding 0.7 to 13.4 gallons of AMA[®]-1500G per 100 barrels of additional fluid, or as needed, depending on the severity of contamination.

PACKER FLUIDS

AMA[®]-1500G should be added to a packer fluid at a point of uniform mixing such as a circulating holding tank. Add 170 to 2,000 ppm AMA[®]-1500G (0.7 to 8.1 gallons AMA[®]-1500G per 100 barrels of fluid) to a freshly prepared fluid depending on the severity of contamination. Seal the treated packer fluid in the wall between the casing and production tube.

GAS PRODUCTION AND TRANSMISSION PIPELINES AND SYSTEMS

AMA[®]-1500G should be added to a gas production or transmission pipeline via direct injection. The application should be conducted to ensure maximum distribution of the AMA[®]-1500G through the entire internal surface of the pipeline. To facilitate application, it may be desirable to dilute the AMA[®]-1500G with an appropriate solvent immediately before use. Injections to the system should be weekly, or as needed to maintain control.

GAS STORAGE WELLS AND SYSTEMS

Individual injection wells should be treated with a sufficient quantity of AMA[®]-1500G to produce a concentration of 1,670 to 16,670 ppm AMA[®]-1500G when diluted by the water present in the formation. Injection should take place before gas is injected (during the summer). Injections should be repeated yearly, or as needed to maintain control.

Individual drips should be treated with a sufficient quantity of AMA[®]-1500G to produce a concentration of 670 to 6,670 ppm AMA[®]-1500G when diluted by the water present in the drip. Injections should be repeated yearly, or as needed to maintain control.

HYDROTESTING

Water used to hydrotest pipelines or vessels should contain 330 to 13,330 ppm AMA[®]-1500G (0.3 to 12.8 gallons AMA[®]-1500G per 1,000 gallons water), depending on water quality and length of time the equipment will remain idle.

PIPELINE PIGGING AND SCRAPING OPERATIONS

Add AMA[®]-1500G to a slug of water immediately following the scraper (ideally this water volume can be kept to a minimum and contained between the scraper and a trailing pig). Sufficient AMA[®]-1500G should be added to produce a concentration of 0.3 to 3.3% (0.3 to 3.2 gallon AMA[®]-1500G per 100 gallons water), depending on the length of the pipeline and the severity of biofouling.

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