9386-41 9/14/2009 1 of 5

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

EPA United States Environmental Protection Agency **Office of Pesticide Programs**

SEP 14 2009

Kemira Chemicals, Inc.
1950 Vaughn Road
Kennesaw, GA 30144

Attention: Dale A. Bauer

Subject: AMA-5000G
EPA Registration No. 9386-41
Notification Dated August 20, 2009

This will acknowledge receipt of your notification of labeling changes per PR Notice 2007-4, submitted under the provisions of FIFRA Section 3(c)(9). Based on a review of the submitted material, the following comments apply.

The Notification is in compliance with PR Notice 98-10 and is acceptable. This information has been added to your file.

If you have any questions concerning this letter, please contact Martha Terry at (703) 308-6217.

Sincerely

Martha Terry/for

Marshall Swindell
Product Manager (33)
Regulatory Management Branch 1
Antimcrobials Division (7510P)

Please read instructions on reverse side before completing. Form Approved. No. 2070-0060. Approval expires 05-31-98

EPA	United States Environmental Protection Agency Washington, DC 20460	☐ Registration ☐ Amendment ☒ Other	OPP Identifier Number

Application for Pesticide – Section 1

1. Company/Product Number	2. EPA Product Manager	3. Proposed Classification
9386-41	Marshall Swindell	☐ None ☐ Restricted
4. Company/Product (Name) AMA-5000G	PM# 33	

5. Name And Address Of Applicant *(Include ZIP Code)*

Kemira Chemicals, Inc.
1950 Vaughn Road
Kennesaw, GA 30144

☐ *Check if this is a new address*

6. Expedited Review. In accordance with FIFRA Section 3(c)(3)(b)(i), my product is similar or identical in composition and labeling to:

EPA Reg. No. _____

Product Name _____

Section II

☐ Amendment – Explain below.
☐ Resubmission in response to Agency
☒ Notification – Explain below.
☐ Final Printed labels in response to Agency letter dated _____
☐ "Me Too" Application.
☐ Other – Explain Below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)
Notification of Labeling Changes per PR Notice 2007-4.

This notification is consistent with the provisions of PR Notice 2007-4 and the requirements of EPA's regulations at 40 CFR 156.10, 156.140, 156.144, 156.146 and 156.156. No other changes have been made to the labeling or the Confidential Statement of Formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the requirements of 40 CFR 156.10, 156.140, 156.144, 156.146 and 156.156, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

Section III

1. Material This Product Will Be Packaged In:

Child Resistant Packaging	Unit Packaging	Water Soluble Packaging	2. Type of Container
☐ Yes* ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	☐ Metal ☒ Plastic ☐ Glass ☐ Paper ☒ Other (Specify) **Tote is plastic in aluminum cage**
***Certification must be submitted**	If "Yes" Unit Packaging wgt. / No. per Container	If "Yes" Unit Packaging wgt. / No. per Container	

3. Location of Net Contents Information	4. Size(S) Retail Container: 5 gal/25L, 30 gal/115L; 55 gal/220L; 275 gal/1000L; Bulk	5. Location of Label Directions
☒ Label ☐ Container		☒ On Label ☐ On Labeling accompanying product

6. Manner in Which Label is Affixed to Product ☐ Lithographed ☐ Paper glued ☐ Stenciled ☒ Other **Peel-off adhesive (self-sticking)**

Section IV

1. Contact Point *(Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)*

Name	Title	Telephone No. (Include Area Code)
Dale A. Bauer	Environmental Manager	678-819-4684

Certification

I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

6. Date Application Received

2. Signature	3. Title
Dale A. Bauer	Environmental Manager
4. Typed Name: Dale A. Bauer	5. Date: August 20, 2009

EPA Form 8570-1 (Rev. 8-94) Previous editions are obsolete

kemira

Health, Safety & Environmental Group

August 25, 2009

Document Processing Desk (NOTIF)
Office of Pesticide Programs (7504P)
U.S. Environmental Protection Agency
One Potomac Yard
2777 South Crystal Drive
Arlington, VA 22202

Attention: Marshall Swindell (PM 33)

Subject: AMA-5000G, Reg. No. 9386-41
Label Change Notifications under PR 2007-4, Container Management Rule

Dear Marshall:

As per instructions in the Container Management Rule, we are submitting one copy of the label with changes clearly marked in a way that can be photocopied along with a completed Form 8570-1.

If you have any questions, you can contact me at the number below.

Sincerely,

Dale A. Bauer

Dale A. Bauer
Environmental Manager

KEMIRA CHEMICALS, INC.

1950 Vaughan Road Kennesaw, GA 30144	TELEPHONE 678-819-4684dd	TOLL FREE 800-347-1542	FAX 678-819-4625	eMail Dale.Bauer@Kemira.com

AMA®-5000G

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 and for use by Manufacturers and Formulators in Formulating Products for Oil Field Applications. Formulators using this product are responsible for providing data for the EPA Registration of their formulated product.

ACTIVE INGREDIENT: Glutaraldehyde	50.0%
INERT INGREDIENTS:	50.0%
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. 9386-41 EPA Est. No. 9386-GA-3

Manufactured By

KEMIRA CHEMICALS, INC.
1950 Vaughn Road
KENNESAW, GA 30144
Made in USA

18-Aug-09

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®-5000G is incompatible with many commonly used materials of construction such as steel, galvanized iron, aluminum, tin, and zinc. AMA®-5000G 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

Nonrefillable container. Do not reuse or refill this container.

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

NOTICE
Do Not Ship or Store with Food, Feeds, Drugs, or Clothing

DIRECTIONS FOR USE

is a violation of Federal law to use this product in a manner inconsistent wi. . labeling.

IR WASHERS AND INDUSTRIAL SCRUBBING SYSTEMS/ ECIRCULATING COOLING AND PROCESS WATER SYSTEMS

his product may be used only in industrial air washers and air washer systems which have mist-eliminating omponents.

MA®-5000G should be added at the application rates described below, to a water treatment system at a onvenient point of uniform mixing such as the basin area. Addition may be made intermittently (SLUG OSE) or continuously. Badly fouled systems can be shock treated with AMA®-5000G. Under these onditions, blowdown should be discontinued for up to 24 hours.

MA®-5000G can be used in industrial process water systems that contain ultra filtration units and non-edical reverse osmosis membranes (where approved for compatibility by the membrane manufacturer) and ssociated distribution systems.

INTERMITTENT (SLUG DOSE) METHOD

nitial Dose: When the system is noticeably fouled apply 11.3 to 22.7 fluid ounces (100 to 200 ppm product) f AMA®-5000G per 1,000 gallons of water in the system or 89 to 177 mL of AMA®-5000G per 1,000 liters f water in the system. Repeat until control is achieved.

Subsequent Dose: When microbial control is evident, add 4.5 to 11.3 fluid ounces (40 to 100 ppm) of AMA®-5000G per 1,000 gallons of water in the system weekly or 35 to 89 mL of AMA®-5000G per 1,000 iters of water in the system weekly, or as needed to maintain control. Badly fouled systems must be cleaned efore treatment is begun.

CONTINUOUS FEED METHOD

nitial Dose: When the system is noticeably fouled apply 11.3 to 22.7 fluid ounces (100 to 200 ppm product) f AMA®-5000G per 1,000 gallons of water in the system or 89 to 177 mL of AMA®-5000G per 1,000 liters f water in the system.

Subsequent Dose: Maintain this treatment level by starting a continuous feed of 2.3 to 11.3 fluid ounces (20 o 100 ppm product) of AMA®-5000G per 1,000 gallons of water in the system per day or 17.7 to 88.6 mL of AMA®-5000G per 1,000 liters of water in the system per day. Badly fouled systems must be cleaned before reatment is begun.

SERVICE WATER AND AUXILIARY SYSTEMS

AMA®-5000G 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®-5000G 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®-5000G should be added to a wastewater system or sludge at a convenient point of uniform mixing such as the digester. Add 0.4 to 2.0 gallons (450 to 2,250 ppm product) of AMA®-5000G per 1,000 gallons of wastewater or sludge or 399 mL to 1,994 mL of AMA®-5000G per 1,000 liters of wastewater or sludge.

MACROFOULING CONTROL

AMA®-5000G 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 4.53 fluid ounces of AMA®-5000G 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.

BEET SUGAR MILLS AND BEET SUGAR MILL PROCESS WATER SYSTEMS

AMA®-5000G 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 5.4 to 13.6 fluid ounces (200 to 500 ppm product) of AMA®-5000G per ton or 177 to 442 mL of AMA®-5000G per metric ton of sliced beets as a slug dose. Repeat until control is achieved.

Subsequent Dose: When microbial control is evident, add 0.8 to 8.2 fluid ounces (30 to 300 ppm) of AMA®-5000G per ton or 27 to 270 mL of AMA®-5000G per metric ton of sliced beets in the system as a slug dose as necessary to maintain control. The total should not exceed 106 gallons per 1000 tons of beets sliced per day.

CONTINUOUS FEED METHOD

Initial Dose: When the system is noticeably contaminated, add 5.4 to 13.6 fluid ounces/minute (200 to 500 ppm product) of AMA®-5000G per ton or 177 to 442 mL/minute of AMA®-5000G 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 0.8 to 8.2 fluid ounces/minute (30 to 300 ppm) of AMA®-5000G per ton or 27 to 270 mL/minute of AMA®-5000G per metric ton of beets sliced per minute in the system, or as necessary to maintain control. The total should not exceed 106 gallons per 1000 tons of beets sliced per day.

PAPER MILLS AND PAPER MILL PROCESS WATER SYSTEMS

AMA®-5000G 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 0.5 to 3.0 lbs of AMA®-5000G 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 0.5 to 2.0 lbs of AMA®-5000G 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 and non-food contact pigments and filler slurries)

Use from 0.1 to 0.6 lbs. of AMA®-5000G per 1,000 lbs. dry powder to produce a concentration of 100 to 600 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 0.1 to 0.6 lbs. of AMA®-5000G per 1,000 lbs. dry powder to produce a concentration of 100 to 600 ppm as product (based on slurry solids) in the mixed slurry.

AQUEOUS METALWORKING FLUIDS

AMA®-5000G should be added to a metalworking fl ystem 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 1.8 to 5.4 gallons of AMA®-5000G per 10,000 gallons of metalworking fluid to the system. Repeat until control is achieved.

Subsequent Dose: When microbial control is evident, add 0.7 to 3.6 gallons of AMA®-5000G per 10,000 gallons of metalworking fluid to the system weekly, or as needed to maintain control. Badly fouled systems should be cleaned before treatment is begun.

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 KEMIRA representative to provide 1.1 to 6.8 fluid ounces (50 to 300 ppm active) of AMA®-5000G per 100 gallons of diluted lubricant.

GENERAL PRESERVATIVE USE

AMA®-5000G 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®-5000G to the product formulation at a rate of 0.02% to 0.20% (200 to 2,000 ppm product) based on the water content of the product (0.2 to 2.0 lbs AMA®-5000G per 1,000 lbs water content). Mix uniformly.

PRESERVATIVE FOR CONCENTRATES

For use in concentrates where effective preservation is needed after dilution, add AMA®-5000G to the product formulation at a rate such that the diluted end-use product will contain 0.02% to 0.20% AMA®-5000G.

At no time during the preservation process should the level of AMA®-5000G exceed 2.0%.

REVERSE OSMOSIS MEMBRANES

For effective preservation of reverse osmosis elements (where approved for compatibility by membrane manufacturer), immerse elements in a tank containing 0.2% to 2.0% AMA®-5000G. AMA®-5000G 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 0.2% to 2.0% AMA®-5000G to the tank in the circulating system. Maintain the concentration of AMA®-5000G by periodic addition to counteract any system leakage.

CONCRETE ADMIXTURES

For effective preservation of concrete admixtures, add AMA®-5000G to the product formulation at a rate of 2,000 to 8,000 ppm based on the weight of the admixture (2.0 to 8.0 lbs AMA®-5000G per 1,000 lbs. concrete admixture). Mix uniformly,

WATER FLOODS

AMA®-5000G should be added to a water flood system at a point of uniform mixing.

Initial Treatment: When the system is noticeably contaminated, add 100 to 5,000 ppm AMA®-5000G to the system (0.09 to 4.4 gallons AMA®-5000G per 1,000 gallons flood water). Repeat until control is achieved.

Subsequent Dose: *When microbial control is evident, add 20 to 5,000 ppm AMA®-5000G (0.02 to 4.4* gallons AMA®-5000G per 1,000 gallons flood water) to the system weekly, or as needed to maintain control.

DRILLING, COMPLETION, AND WORKOVER FLUIDS

AMA®-5000G should be added to a drilling fluid system at a point of uniform mixing such as the circulating mud tank.

Initial Treatment: Add 50 to 1,000 ppm AMA®-5000G (0.2 to 3.7 gallons AMA®-5000G per 100 barrels of fluid) to a freshly prepared fluid depending on the severity of contamination.

Maintenance Dosage: Maintain a concentration of 50 to 1,000 ppm AMA®-5000G by adding 0.2 to 3.7 gallons of AMA®-5000G per 100 barrels of additional fluid, or as needed, depending on the severity of contamination.

PACKER FLUIDS

AMA®-5000G should be added to a packer fluid at a point of uniform mixing such as a circulating holding tank. Add 50 to 600 ppm AMA®-5000G (0.2 to 2.2 gallons AMA®-5000G 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®-5000G 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®-5000G through the entire internal surface of the pipeline. To facilitate application, it may be desirable to dilute the AMA®-5000G 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®-5000G to produce a concentration of 500 to 5,000 ppm AMA®-5000G 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®-5000G to produce a concentration of 200 to 2,000 ppm AMA®-5000G 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 100 to 4,000 ppm AMA®-5000G (0.09 to 3.5 gallons AMA®-5000G 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®-5000G to a slug of water immediately following the scraper (ideally this wate. volume can be kept to a minimum and contained between the scraper and a trailing pig). Sufficient AMA®-5000G should be added to produce a concentration of 0.1 to 1% (0.09 to 0.9 gallon AMA®-5000G per 100 gallons water), depending on the length of the pipeline and the severity of biofouling.