9386-44 (07-16-2009 (1/7

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

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

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

JUL 16 2009

Attention: Dale A. Bauer
Regulatory Manager

Subject: Notification for an Alternate Brand Name
AMA-500D EPA Registration No. 9386-44
Amendment Letter dated June 17, 2009

This will acknowledge receipt of your notification for the aforementioned product labels, submitted under the provisions of FIFRA Section 3(c) (9). Based on a review of the submitted material, the following apply:

- Request for the alternate brand name "AMA-450".

The Notification is in compliance with PR Notice 98-10 and is acceptable. This information has been made a part of your file.

If you have any questions concerning this letter, please contact Demson Fuller at (703) 308-8062.

Sincerely,

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

Please read instructions on reverse side before completing form.

Form Approved. OMB 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
9386-44	Marshall Swindell	☐ None ☐ Restricted
4. Company/Product (Name)	**PM#**	
AMA-500D	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 98-10 (Alternate Brand Name (Section IIA).

This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and 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 terms of PR Notice 98-10 and 40 CFR 152.46, 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	**5. Date**	
Dale A. Bauer	June 17, 2009	

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

Kemira

Health, Safety & Environmental Group

June 17, 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-500D, Reg. No. 9386-44
Notification under PR 98-10 for Alternate Brand Name (AMA-450)

Dear Marshall:

Enclosed please find a notification consistent with PR 98-10 for product labeling notifications under Section IIA, to add an alternate brand name for this product.

Enclosed with this application please find the following:

1. EPA Form 8570-1
2. One copy of the label with the revisions highlighted

Please let me know if there are any questions or if anything else is needed.

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

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AMA®-450

To Control Coliform and Other Bacteria in Publicly-Owned Treatment Works; controls bacteria, fungi, and yeasts in paper mills, metalworking fluids containing water, and enhanced oil recovery systems; controls bacteria, fungi, and algae in industrial recirculating water cooling towers, once-through fresh and sea water industrial cooling water systems, and reverse osmosis systems; controls slime-forming bacteria and fungi in air-washer systems.

FOR INDUSTRIAL USE ONLY

Active Ingredient:	
2,2-Dibromo-3-nitrilopropionamide	20%
Inert Ingredients:	80%
TOTAL	100%

KEEP OUT OF REACH OF CHILDREN

DANGER

First Aid	
If in eyes:	- Hold eye open and rinse slowly and gently with water for 30 minutes. - Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. - Call a poison control center or doctor 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 doctor for treatment advice.
If swallowed:	- Call poison control center or doctor immediately for treatment advice. - Have person sip a glass of water if able to swallow. - Do not induce vomiting unless told to do so by the poison control center or doctor.
HOT LINE NUMBER **IN CASE OF EMERGENCY** endangering life or property involving this product, call CHEMTREC at 800-424-9300. Have the product container or label with you when calling a poison control center or doctor or going for treatment.	
Note to physician: Probable mucosal damage may contraindicate the use of gastric lavage.	

See side panel for additional precautionary statements
EPA REG. No. 9386-44 EPA EST. No. 9386-GA-3
EPA EST. No. 74922-GA-1

Manufactured By

KEMIRA CHEMICALS, INC.
1950 Vaughn Road
KENNESAW, GA 30144

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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.

NOTE: ADD AMA®-450 SEPARATELY TO THE SYSTEM. DO NOT MIX IT WITH OTHER ADDITIVES, IN ORDER TO AVOID DECOMPOSITION OF AMA®-450 DUE TO THE HIGH pH OF MANY ADDITIVE FORMULATIONS.

INDUSTRIAL RECIRCULATING WATER COOLING TOWERS: Add AMA®-450 to the basin (or any other point of uniform mixing). Addition should be made with a metering pump; it may be continuous or intermittent, depending on the severity of the contamination when treatment is begun, and the retention time in the system. Optimum performance with this product is attained by continuous or intermittent treatment. If "shock" treatment is used, the blowdown should be discontinued for 24-48 hours.

FOR CONTOL OF BACTERIA: Add 0.00095-0.0095 gal AMA®-450/1,000 gal of water in the system, depending on the severity of contamination.

INTERMITTENT or SLUG METHOD: INITIAL DOSE: When the system is noticeably fouled, add 0.0048-0.0095 gal AMA®-450/1,000 gal of water in the system. Repeat until control is achieved.

SUBSEQUENT DOSE: When microbial control is evident, add 0.0024-0.0095 gal AMA®-450/1,000 gal of water in the system every 4 days, 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, add 0.0048-0.0095 gal AMA®-450/1,000 gal of water to the system.

SUBSEQUENT DOSE: Maintain this level by pumping a continuous feed of 0.00095-0.0048 gal AMA®-450/1,000 gal of water in the system per day. BADLY FOULED SYSTEMS must be cleaned before treatment is begun.

FOR CONTROL OF FUNGI AND ALGAE: Add 0.029-0.095 gal AMA®-450/1,000 gal of water in the system depending on the severity of contamination.

INTERMITTENT or SLUG METHOD: INITIAL DOSE: When the system is noticeably fouled, add 0.048-0.095 gal AMA®-450/ 1,000 gal of water in the system. Repeat until control is achieved.

SUBSEQUENT DOSE: When microbial control is evident, add 0.029-0.095 gal AMA®-450/1,000 gal of water in the system daily, 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, add 0.048-0.095 gal AMA®-450/1,000 gal of water to the system.

SUBSEQUENT DOSE: Maintain this treatment level by pumping a continuous feed of 0.029-0.095 gal AMA®-450/1,000 gal of water in the system per day. BADLY FOULED SYSTEMS must be cleaned before treatment is begun.

ONCE-THROUGH INDUSTRIAL COOLING WATER SYSTEMS: For controlling microbiological growth in once-through and closed-cycle fresh and sea water cooling systems, cooling ponds, canals, and lagoons, add AMA®-450 to the system inlet water or before any other contaminated area in the system. Intermittent addition should be made with a metering pump at a level dependent on the severity of the contamination in the system.

INITIAL DOSE: When the system is noticeably fouled, add 6-12 ppm AMA®-450 based on the flow rate through the system. Additions should be for durations of at least 15 minutes, but with additions not being made for more than a total of 4 hours per day.

SUBSEQUENT DOSE: When microbial control is evident, add 3-12 ppm AMA®-450 intermittently to maintain control. Addition intervals may vary but total time of additions should not exceed 4 hours per day. BADLY FOULED SYSTEMS must be cleaned before treatment is begun.

PAPER MILLS: For the control of bacterial, fungal, and yeast growths in pulp, paper, and paperboard mills, add AMA®-450 at the rate of 0.15-0.50 lb/ton of pulp or paper (dry basis). Addition may be continuous or intermittent, depending upon the type of system and the severity of contamination. It should be made with a metering pump at a location that will insure uniform distribution of AMA®-450 in the mass of fiber and water, such as the beaters, jordan inlet or discharge, broke chests, furnish chests, save-alls, and white-water tanks.

Heavily fouled systems should be boiled out, then treated with 0.15-0.35 lb AMA®-450 /ton of paper (dry basis), as necessary for control.

Moderately fouled systems should be treated continuously with 0.35-0.50 lb AMA®-450 /ton of paper (dry basis) until the slime accumulation is controlled. Addition rates can then be reduced to 0.15-0.35 lb AMA®-450/ton of paper on a continuous or intermittent basis, as needed for control. Dislodged slime may cause breaks in the paper and a clean-up of the paper machine may be advisable.

Slightly fouled systems should be treated continuously with 0.15-0.35 lb AMA®-450/ton of paper (dry basis) until the slime is controlled, then added on an intermittent basis to maintain control.

AIR-WASHER SYSTEMS: Add 0.0015-0.095 gal AMA®-450/1,000 gal of water in the system, depending upon the severity of contamination to control slime-forming bacteria and fungi in industrial air-washer systems.

INTERMITTENT or SLUG METHOD: INITIAL DOSE: When the system is noticeably fouled, add 0.003-0.095 gal AMA®-450/1,000 gal of water in the system. Repeat until control is achieved.

SUBSEQUENT DOSE: When microbial control is evident, add 0.0015-0.047 gal AMA®-450/1,000 gal of water in the system every 2 days 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, add 0.003-0.095 gal AMA®-450/1,000 gal of water in the system.

SUBSEQUENT DOSE: Maintain this level by pumping a continuous feed of 0.0015-0.047 gal AMA®-450/1,000 gal of water in the system per day. BADLY FOULED SYSTEMS must be cleaned before treatment is begun.

NOTE: For use in industrial air-washer systems that maintain effective mist eliminating components.

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REVERSE OSMOSIS SYSTEMS: AMA®-450 may be used to control bacteria and reduce biofouling in industrial membrane systems (reverse osmosis, ultrafiltration, microfiltration). Acceptable applications include reverse osmosis for the production of boiler makeup water, rinsing of electric components, and industrial waste water treatment. AMA®-450 may be fed continuously to the membrane system feed water at a rate of 10-100 ppm (1.3-13.0 fl. oz./1,000 gallons or 0.4 to 4.0 ml/min per 10 gpm of feed water) AMA®-450. For off-line system disinfection, add 50-170 ppm (6.5-22.0 fl. oz./1,000 gallons) AMA®-450 to the off-line cleaning feed tank and re-circulate for 30 minutes to 3 hours. Frequency of addition should be every 5 days or as needed.

Note: For industrial systems in which AMA®-450 residuals cannot be tolerated, AMA®-450 must be slug fed. During and for 30 minutes to 1 hour following chemical addition, permeate and concentrate streams must be diverted to waste.

METALWORKING FLUIDS CONTAINING WATER: This product is effective in metalworking fluid concentrates which have been diluted in water at ratios of 1:100-1:4.

For controlling (or inhibiting) the growth of bacteria, fungi, and yeasts that may deteriorate metalworking fluids containing water, add AMA®-450 to the fluid in the collection tank. Additions should be made with a metering pump.

INITIAL OR SLUG DOSE: When the system is just noticeably fouled, add 0.25 gal AMA®-450/1,000 gal of metalworking fluid to the system. Repeat until control is achieved.

SUBSEQUENT DOSE: When microbial control is evident, add 0.1-0.2 gal AMA®-450/1,000 gal of metalworking fluid per day, or as needed to maintain control. Additions can be made continuously or intermittently. Slug the system as required.

ENHANCED OIL RECOVERY SYSTEMS: For controlling slime-forming bacteria, sulfide-producing bacteria, yeasts, and fungi in oil field water, polymer or micellar floods, water-disposal systems, or other oil field water systems, add 1-80 ppm AMA®-450 (0.1-6.4 gal AMA®-450 per 2400 barrels of water) depending on the severity of contamination. Additions should be made with a metering pump either continuously or intermittently.

CONTINUOUS FEED METHOD: When the system is noticeably fouled, add 10-80 ppm AMA®-450 (0.8-6.4 gal AMA®-450 per 2400 barrels of water) continuously until the desired degree of control is achieved. Subsequently, treat with 1-15 ppm AMA®-450 (0.1-1.2 gal AMA®-450 per 2400 barrels of water) continuously or as needed to maintain control.

INTERMITTENT OR SLUG METHOD: When the system is noticeably fouled, or to maintain control of the system, add 10-80 ppm AMA®-450 (0.8-6.4 gal AMA®-450 per 2400 barrels of water) intermittently for 4-8 hours per day, and from 1-4 times per week, or as needed depending on the severity of contamination.

Addition of AMA®-450 may be made at the free water knockouts, before or after the injection pumps and injection well headers.

NOTE: For control of bacteria, yeast, and fungi in aqueous solutions of biopolymer used in flooding operations, add 15-80 ppm AMA®-450 (1.2-6.4 gal AMA®-450 per 2400 barrels of water). Additions of AMA®-450 should be made with a metering pump immediately after preparation of the aqueous biopolymer solution to prevent loss of viscosity.

DIRECTIONS FOR TREATING OILFIELD AND PETROCHEMICAL SYSTEMS: AMA®-450 may be used either in slug treatment or in continuous application. Dosages may vary from as much as 200 ppm of AMA®-450 in slug application to 10 to 50 ppm of AMA®-450 in continuous treatment (1/4 pint AMA®-450 per 1,000 gallons of water equals approximately 30 ppm). A typical slug treatment is to add 1 pint of AMA®-450 per 1,000 gallons at intervals as needed to prevent growth of microbial slime. Badly fouled systems may be slug treated to establish control, followed by continuous treatment to maintain control.

HYDROTESTING: FOR CONTROL OF BACTERIA. Water used to hydrotest pipelines or vessels should contain 100 to 1,000 ppm of AMA®-450 per 1,000 gallons water) depending on water quality and length of time the equipment will remain idle.

PUBLICLY-OWNED TREATMENT WORKS: TO CONTROL COLIFORM AND OTHER BACTERIA: Add AMA®-450 at a concentration of 1.0 to 10.0 ppm by weight of water being treated, depending on the severity and contamination in the system. Addition should be CONTINUOUS and should be made with a metering pump at a point in the system where mixing will be rapid and thorough. Add AMA®-450 to the system in a location where contact time will be 30 minutes or greater before reaching the outfall.

TO USE AS A CO-TREATMENT WITH CHLORINE: Add 0.4-1.5 ppm AMA®-450 Antimicrobial by weight of water treated. Chlorination should result in a minimum detectable residual (i.e., greater than zero but less than the NPDES permit level). Addition should be CONTINUOUS and made at a point just after initial chlorine mixing. Rapid mixing is necessary for maximum effectiveness. AMA®-450 should be added at a location where a contact time of 10 minutes or longer will be provided before reaching the outfall.

DIRECTIONS FOR INDUSTRIAL PRESERVATION APPLICATIONS: AMA®-450 may be used to reduce microbiological contamination in raw materials and/or products such as: aqueous paints and coatings, polymers, slurries, adhesives, latex and resin emulsions, sizing, caulk, process water, along with specialty industrial products including; inks, polishes, waxes, detergents, and cleansers.

TO REDUCE MICROBIOLOGICAL CONTAMINATION: Add AMA®-450 to the material or product at a concentration of 25 to 2,000 ppm by weight. This concentration is equivalent to 2.8 to 224.0 fluid ounces AMA®-450 per 1,000 gallons or 21.4 to 1,712.0 milliliters AMA®-450 per 1,000 liters. The required concentration will depend on the material being treated and the level of contamination present.

DIRECTIONS FOR TREATING BREWERY PASTEURIZER WATER: For controlling (or inhibiting) the growth of bacteria, fungi and yeasts in brewery pasteurizing water systems, add AMA®-450 at a point in the system to insure uniform mixing. Initial or Slug Dose: When the system is noticeably fouled, add AMA®-450 at the rate of 0.25 gal (2.65 lbs) per 1000 gals of water in the system. Repeat until control is achieved. Subsequent Dose: When microbial control is evident, add AMA®-450 at the rate of 0.1 to 0.2 gal (1.06 to 2.12 lbs) per 1000 gals of water per day, or as needed to maintain control. Additions of AMA®-450 product can be made continuously or intermittently. Slug the system as required. Badly fouled systems must be cleaned before treatment is begun.

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PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CORROSIVE. Causes irreversible eye damage or skin burns. Do not get in eyes, on skin or on clothing. May cause loss of vision. Fatal if absorbed through skin. Harmful if swallowed or inhaled. Avoid breathing vapor. Wear goggles or face shield (safety glasses). Wear protective clothing (long-sleeve shirt and long pants, socks plus shoes and chemical resistant gloves such as waterproof gloves). Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco. Remove contaminated clothing and wash before reuse.

ENVIRONMENTAL HAZARDS: This pesticide is toxic to fish and aquatic organisms. Apply this product only as specified on this label. Do not contaminate water by cleaning of equipment, or disposal of wastes. **NOTE:** 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

PESTICIDE STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal

Storage: To maintain product quality, store at temperatures below 60° C. Keep container tightly closed when not in use.

Pesticide Disposal: Pesticide wastes are acutely hazardous. 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 Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

Container Disposal: Do not reuse empty container. Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

LABEL DATE: June 17, 2009