
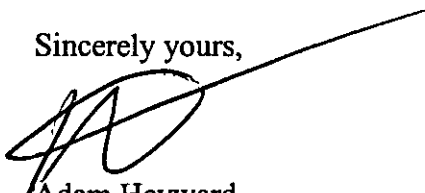
 <p>U.S. ENVIRONMENTAL PROTECTION AGENCY Office of Pesticide Programs Registration Division (H7505C) 1200 Pennsylvania Avenue NW Washington, D.C. 20460</p> <p>NOTICE OF PESTICIDE: <u> x </u> Registration <u> </u> Reregistration</p> <p>(Under FIFRA, as amended)</p>	EPA Reg. Number: 9386-44	Date of Issuance: September 30, 2005
	The term of Issuance: Conditional	
	Name of Pesticide Product: AMA [®] - 500D	
Name and Address of Registrant (include ZIP Code): Kemira Chemicals, Inc. 245 TownPark Drive Suite 200 Kennesaw, GA 30144		
<p>Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.</p> <p>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.</p> <p>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.</p> <p>This product is conditionally registered in accordance with FIFRA sec 3(c)(7)(A) provided that you:</p> <ol style="list-style-type: none"> 1. Submit and/or cite all data required for registration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4. 2. Make the labeling changes listed below before you release the product for shipment: <ol style="list-style-type: none"> a. Revise the "EPA Registration Number to read , "EPA Reg No. 9386-44" 		
Signature of Approving Official:  Adam Heyward Product Manager Team-34 Regulatory Management Branch II Antimicrobials Division (7510C)	Date: September 30, 2005	

3. Submit three(3) copies of the revised final printed label for the record.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

Sincerely yours,

A handwritten signature in black ink, appearing to be 'AH', written over a long horizontal line that extends to the right.

Adam Heyward
Product Manager 34
Regulatory Branch II
Antimicrobials Division (7510C)

Enclosure: Stamped Label

386

AMA®-500D labeling, right center panel (3 of 4)

AMA[®]-500D

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

<i>First Aid</i>	
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.	

ACCEPTED
 with COMMENTS
 EPA Letter Dated:

SEP 30 2005

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

Manufactured By

Under the Federal Insecticide,
 Fungicide, and Rodenticide Act as
 amended, this pesticide,
 registered under EPA Reg. No. 9386-44

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

4 8 6

AMA@-500D labeling, right panel (4 of 4)

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 visions. 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: July 26, 2005

LOT#

NET WT. X,XXX Pounds

ACCEPTED
with COMMENTS
EPA Letter Dated:

SEP 30 2005

Use only the Federal Insecticide,
Fungicide and Rodenticide Act as
authorized by the EPA. This product is
registered under EPA Reg. No. 9386-44

AMA®-500D labeling, left center panel (2 of 4)

AIR-WASHER SYSTEMS: Add 0.0015-0.095 gal AMA®-500D/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®-500D/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®-500D/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®-500D/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®-500D/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.

REVERSE OSMOSIS SYSTEMS: AMA®-500D 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®-500D 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®-500D. For off-line system disinfection, add 50-170 ppm (6.5-22.0 fl. oz./1,000 gallons) AMA®-500D 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®-500D residuals cannot be tolerated, AMA®-500D 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-500D 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-500D/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-500D/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-500D (0.1-6.4 gal AMA-500D 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®-500D (0.8-6.4 gal AMA-500D per 2400 barrels of water) continuously until the desired degree of control is achieved. Subsequently, treat with 1-15 ppm AMA®-500D (0.1-1.2 gal AMA-500D 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®-500D (0.8-6.4 gal AMA-500D 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-500D 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®-500D (1.2-6.4 gal AMA-500D per 2400 barrels of water). Additions AMA®-500D should be made with a metering pump immediately after preparation of the aqueous biopolymer solution to prevent loss of viscosity.

PUBLICLY-OWNED TREATMENT WORKS: TO CONTROL COLIFORM AND OTHER BACTERIA: Add AMA®-500D 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 500D Antimicrobial 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 500D 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®-500D should be added at a location where a contact time of 10 minutes or longer will be provided before reaching the outfall.

ACCEPTED
with **COMMENTS**
EPA Letter Dated:

SEP 30 2005

Under the Federal Insecticide,
Fungicide and Fumigicide Act as
amended or the
registered under EPA Reg. No. 9386-44

AMA®-500D labeling, left panel (1 of 4)

DIRECTIONS FOR USE

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

NOTE: ADD AMA®-500D SEPARATELY TO THE SYSTEM. DO NOT MIX IT WITH OTHER ADDITIVES, IN ORDER TO AVOID DECOMPOSITION OF AMA®-500D DUE TO THE HIGH pH OF MANY ADDITIVE FORMULATIONS.

INDUSTRIAL RECIRCULATING WATER COOLING TOWERS: Add AMA®-500D 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 CONTROL OF BACTERIA: Add 0.00095-0.0095 gal AMA®-500D/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®-500D/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®-500D/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®-500D/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®-500D/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®-500D/1,000 gal of water in the system depending on the severity of contamination.

INTERMITTENT or SLUG METHOD: INITIAL DOSE: When they system is noticeably fouled, add 0.048-0.095 gal AMA®-500D/ 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®-500D/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®-500D/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®-500D/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®-500D 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®-500D 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®-500D 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®-150 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®-150 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®-150/ton of paper (dry basis), as necessary for control.

Moderately fouled systems should be treated continuously with 0.35-0.50 lb AMA®-150/ton of paper (dry basis) until the slime accumulation is controlled. Addition rates can then be reduced to 0.15-0.35 lb AMA®-150/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®-150/ton of paper (dry basis) until the slime is controlled, then added on an intermittent basis to maintain control.

HYDROTESTING: FOR CONTROL OF BACTERIA. Water used to hydrotest pipelines or vessels should contain 100 to 1,000 ppm of AMA-500D per 1,000 gallons water) depending on water quality and length of time the equipment will remain idle.

ACCEPTED
with COMMENTS
EPA Letter Dated:

SEP 30 2005

U.S. Environmental Protection Agency,
Federal Insecticide, Fungicide, and Rodenticide Act as
amended, for use and production,
registered under EPA Reg. No. 9386-44