

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



United States  
Environmental Protection  
Agency

Office of Pesticide Programs

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

SEP 14 2009

Attention: Dale A. Bauer

**Subject: AMA-10S**

EPA Registration No. 9386-26  
Notification Dated August 25, 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

A handwritten signature in cursive script that reads "Martha Terry".

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

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	United States <b>Environmental Protection Agency</b> Washington, DC 20460	<input type="checkbox"/> Registration <input type="checkbox"/> Amendment <input checked="" type="checkbox"/> Other	OPP Identifier Number
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**Application for Pesticide – Section 1**

1. Company/Product Number <b>9386-26</b>	2. EPA Product Manager <b>Marshall Swindell</b>	3. Proposed Classification <input type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) <b>AMA-10S</b>	PM# <b>33</b>	

5. Name And Address Of Applicant (Include ZIP Code) <b>Kemira Chemicals, Inc.</b> <b>1950 Vaughn Road</b> <b>Kennesaw, GA 30144</b>  <input type="checkbox"/> 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 _____
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**Section II**

<input type="checkbox"/> Amendment – Explain below.	<input type="checkbox"/> Final Printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification – Explain below.	<input type="checkbox"/> 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:				2. Type of Container	
Child Resistant Packaging <input type="checkbox"/> Yes* <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/> Metal	<input checked="" type="checkbox"/> Plastic
* Certification must be submitted		If "Yes" Unit Packaging wgt.      No. per Container	If "Yes" Unit Packaging wgt.      No. per Container	<input type="checkbox"/> Glass	<input type="checkbox"/> Paper
				<input checked="" type="checkbox"/> Other (Specify) <b>Tote is plastic in aluminum cage</b>	
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(S) Retail Container: 5 gal/25L, 30 gal/115L; 55 gal/220L; 275 gal/1000L; Bulk		5. Location of Label Directions <input checked="" type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product		<input type="checkbox"/> Lithographed <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled		<input checked="" type="checkbox"/> Other <b>Peel-off adhesive (self-sticking)</b>	

**Section IV**

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name <b>Dale A. Bauer</b>	Title <b>Environmental Manager</b>	Telephone No. (Include Area Code) <b>678-819-4684</b>
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.		5. Date Application Received
2. Signature <i>Dale A. Bauer</i>	3. Title <b>Environmental Manager</b>	
4. Typed Name <b>Dale A. Bauer</b>	5. Date <b>August 20, 2009</b>	

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-10S, Reg. No. 9386-26  
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

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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.

### PAPER MILL SLIME CONTROL: FOR THE CONTROL OF SLIME-FORMING AND/OR SPOILAGE BACTERIA:

AMA-10S is added at a point in the system (raw stock chest, beater and/or refiner chest, machine chest or wirepit) where it will be uniformly mixed. Application may be continuous or intermittent for a certain number of hours per day or per shift, depending upon system characteristics. Add 2 to 5 fluid ounces of AMA-10S per ton of paper produced.

INTERMITTENT FEED METHOD: Apply 3.5 to 5.0 fluid ounces of AMA<sup>®</sup>-10S per ton (dry basis) of pulp or paper for 2 hours every 8 hours. Badly fouled systems must be cleaned before initial treatment.

CONTINUOUS FEED METHOD: Apply 2 to 4 fluid ounces of AMA<sup>®</sup>-10S per ton (dry basis) of pulp or paper produced on a continuous basis. Badly fouled process systems must be cleaned before initial treatment. Consult your Kemira representative for technical advice concerning certain site problems.

### RECIRCULATING COOLING WATER SYSTEMS: FOR CONTROL OF SLIME FORMING-BACTERIA:

(cooling towers, evaporative condensers) Bacterial Control: Use 1.6 to 7.9 fluid ounces of AMA<sup>®</sup>-10S per 1,000 gallons water (1.25 to 6.20 ppm active) as a continuous or intermittent treatment, one to three times a week or as required to maintain control. When the system is just noticeably fouled, use 5.8 to 12.5 fluid ounces of AMA<sup>®</sup>-10S per 1,000 gallons water (4.5 to 9.8 ppm active) daily or as required to obtain control. Badly fouled systems must be cleaned before treatment is begun. Apply at a point in the system where uniform mixing and even distribution will occur, such as the cooling tower basin or sump.

### OILFIELD DRILLING MUDS AND WORKOVER OR COMPLETION FLUIDS: FOR CONTROL OF SLIME-FORMING AND/OR SPOILAGE BACTERIA:

Determine the total volume of the circulating system. Calculate the number of gallons of AMA<sup>®</sup>-10S needed to produce a concentration of 5,000 ppm (1.75 lb/bbl) of AMA<sup>®</sup>-10S in the drilling mud circulating system. For example, 211 gallons of AMA<sup>®</sup>-10S per 1000 barrels of drilling fluid will produce the proper concentration. For best results, add AMA<sup>®</sup>-10S in a thin stream to the mud pit while drilling fluid circulates. As the total volume increases due to greater well depth, add additional AMA<sup>®</sup>-10S to maintain the proper concentration. Because of the wide variation in drilling mud composition and bacterial contamination, greater or lesser amounts of the AMA<sup>®</sup>-10S may be prescribed.

### OILFIELD WATER TREATMENT AND WATER FLOODS: FOR CONTROL OF SLIME-FORMING AND/OR SPOILAGE BACTERIA:

Calculate the total volume of water to be treated. Using this volume, calculate the number of gallons of AMA<sup>®</sup>-10S needed to produce a concentration of approximately 750 ppm AMA<sup>®</sup>-10S. For example, 0.75 gallons of AMA<sup>®</sup>-10S per 1000 gallons of total volume will produce this dilution. Add AMA<sup>®</sup>-10S as a slug treatment or intermittently. 500 ppm of AMA<sup>®</sup>-10S, added each week is recommended to maintain bacterial control. This may be accomplished by adding 0.50 gallons of AMA<sup>®</sup>-10S to each 1,000 gallons of total volume. Because of the wide variation in waters found in the oil fields, greater or lesser amounts of AMA<sup>®</sup>-10S may be required in a particular location.

SOLUTIONS AND EMULSIONS: For the preservation of solutions, emulsions, adhesives and other aqueous liquid products, the addition of 75 to 750 ppm of AMA<sup>®</sup>-10S is effective. Add AMA<sup>®</sup>-10S at a point in the processing system where there will be sufficient time and agitation for good mixing and dispersion. The exact amount of AMA<sup>®</sup>-10S to be added for the preservation of given formulations will depend on the components as well as local storage time and condition. Dosage rates should be determined by actual test. This product is not cleared for use in the manufacture of adhesives that may come in contact with food.

METAL WORKING FLUIDS: For the control of fungus and bacteria in metal working fluids that contain water, add 100 to 400 ppm of AMA<sup>®</sup>-10S (0.10 to 0.40 gallons per 1,000 gallons of fluid in the collection tank is recommended. Thoroughly mix the fluid after adding AMA<sup>®</sup>-10S to insure complete dispersion.

FUEL PRESERVATION: For control of bacterial and fungal growth in the following liquid hydrocarbon fuels and oils (crude oil, diesel fuel, residual fuel oils, coal slurries, liquefied petroleum gases, kerosene and petrochemical feedstocks) add a slug dose of 50 - 100 ppm AMA<sup>®</sup>-10S. Repeat as needed to gain control. To maintain control, feed 25 - 50 ppm AMA<sup>®</sup>-10S once a month or as needed. Should disposal of tank bottom water become necessary, wait at least 48 hours after last AMA<sup>®</sup>-10S treatment before draining tank. Do not discharge water directly to ground where it can enter streams, lakes or ponds.

# AMA<sup>®</sup>-10S

ANTIMICROBIAL AGENT

Active Ingredient: Methylene bis (thiocyanate) ..... 10%  
Inert Ingredients: ..... 90%  
TOTAL ..... 100%

FOR INDUSTRIAL USE ONLY

KEEP OUT OF REACH OF CHILDREN

## DANGER

## POISON



### First Aid

<b>If swallowed:</b>	- Call a 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.
<b>If on skin:</b>	- Take off contaminated clothing. - Rinse skin immediately with plenty of water for 15 minutes. - Call a poison control center or doctor for further treatment advice.
<b>If inhaled:</b>	- Move person to fresh air. - If person is not breathing, call 911 or an ambulance, or provide artificial respiration, preferably by mouth-to-mouth if possible. - Call a poison control center or doctor for further treatment advice.
<b>If in eyes:</b>	- Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after 5 to 10 minutes, then continue rinsing. - Call a poison control center or doctor for treatment advice.
Have the container or label with you when calling a poison control center or going for treatment. Contact CHEMTREC at 800-424-9300 for additional information.	

## Manufactured By

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

EPA Reg. No. 9386-26

EPA Est. No. 9386-GA-3

DOT SHIPPING NAME: CORROSIVE LIQUID, TOXIC N.O.S. (METHYLENE BIS-THIOCYANATE) UN 2922

**LOT#**

**OR USE**

in a manner inconsistent with its labeling.  
**CONTROL OF SLIME-FORMING AND/OR**  
the system (raw stock chest, beater and/or refiner  
mixed. Application may be continuous or  
depending upon system characteristics. Add 2

ounces of AMA<sup>®</sup>-10S per ton (dry basis) of pulp  
be cleaned before initial treatment.  
ounces of AMA<sup>®</sup>-10S per ton (dry basis) of pulp or  
systems must be cleaned before initial treatment.  
regarding certain site problems.

**INSTRUCTIONS FOR CONTROL OF SLIME**  
Formers) Bacterial Control: Use 1.6 to 7.9 fluid  
ppm active) as a continuous or intermittent  
in control. When the system is just noticeably  
allows water (4.5 to 9.8 ppm active) daily or as  
d before treatment is begun. Apply at a point in  
ur, such as the cooling tower basin or sump.

**COMPLETION FLUIDS:FOR CONTROL**  
Determine the total volume of the circulating  
to produce a concentration of 5,000 ppm (1.75  
example, 211 gallons of AMA<sup>®</sup>-10S per 1000  
i. For best results, add AMA<sup>®</sup>-10S in a thin  
al volume increases due to greater well depth,  
Because of the wide variation in drilling mud  
nts of the AMA<sup>®</sup>-10S may be prescribed.

**PREVENTION OF SLIME FLOODS:FOR CONTROL OF**  
Calculate the total volume of water to be treated.  
AMA<sup>®</sup>-10S needed to produce a concentration of  
ons of AMA<sup>®</sup>-10S per 1000 gallons of total  
lug treatment or intermittently. 500 ppm of  
acterial control. This may be accomplished by  
tal volume. Because of the wide variation in  
AMA<sup>®</sup>-10S may be required in a particular location.  
of solutions, emulsions, adhesives and other  
AMA<sup>®</sup>-10S is effective. Add AMA<sup>®</sup>-10S at a point  
agitation for good mixing and dispersion. The  
n of given formulations will depend on the  
age rates should be determined by actual test  
es that may come in contact with food.  
l bacteria in metal working fluids that contain  
per 1,000 gallons of fluid in the collection tank  
-10S to insure complete dispersion.  
il growth in the following liquid hydrocarbon  
ries, liquefied petroleum gases, kerosene and  
AMA<sup>®</sup>-10S. Repeat as needed to gain control.  
onth or as needed. Should disposal of tank  
st AMA<sup>®</sup>-10S treatment before draining tank.  
reams, lakes or ponds.

METHYLENE BISTHIOCYANATE) UN 2922

# AMA<sup>®</sup>-10S

ANTIMICROBIAL AGENT

Active Ingredient:	
Methylene bis (thiocyanate) .....	10%
Inert Ingredients: .....	90%
TOTAL .....	100%

FOR INDUSTRIAL USE ONLY

KEEP OUT OF REACH OF CHILDREN

## DANGER

### POISON



First Aid	
<b>If swallowed:</b>	- Call a 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.
<b>If on skin:</b>	- Take off contaminated clothing. - Rinse skin immediately with plenty of water for 15-20 minutes. - Call a poison control center or doctor for further treatment.
<b>If inhaled:</b>	- Move person to fresh air. - If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. - Call a poison control center or doctor for further treatment.
<b>If in eyes:</b>	- Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. - Call a poison control center or doctor for treatment advice.
Have the container or label with you when calling a poison control center or doctor or going for treatment. Contact CHEMTREC at 800-424-9300 for additional information.	

### Manufactured By

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**1950 Vaughn Road**  
**Kennesaw, GA 30144**

EPA Reg. No. 9386-26

EPA Est. No. 9386-GA-3

## PRECAUTIONS

### HAZARDS TO HUMANS

Corrosive. Causes irreversible eye damage or skin. Do not get in eyes, on skin or on cloth repeated skin contact may cause allergic reaction.

Personal protective equipment. Applicators and sleeved shirt and long pants; Socks and chaps. Chemical-resistant gloves such as barrier lam polyvinyl chloride or viton and Respirator with approved for pesticides (MSHA/NIOSH approved pesticides (MSHA/NIOSH approval number per an organic vapor (OV) cartridge or canister which must be worn by mixers, loaders and for persons.

Follow manufacturer's instructions for cleaning for washables, use detergent and hot water. Do not discard clothing or other absorbent materials of this product's concentrate. Do not reuse them.

User safety recommendations. User should wash tobacco or using the toilet. If pesticide gets on thoroughly, and put on clean clothing. Users should product. Wash the outside of gloves before re change into clean clothing. Do not apply this persons.

Engineering controls. For application to cooling open pouring of liquid to cooling water systems use and application method.

**ENVIRONMENTAL HAZARDS:** This pesticide estuarine oil fields. Do not discharge effluent estuaries, oceans or other waters unless in accordance with Discharge Elimination System (NPDES) permit writing prior to discharge. Do not discharge effluent previously notifying the local sewage treatment plant Board or Regional Office of the EPA.

### STORAGE

**Nonrefillable container - Do not**

Do not contaminate water, food

**PESTICIDE STORAGE:** Protect from freezing closed when not in use. If contents are spilled or absorbent material and dispose of in accordance with regulations.

**PESTICIDE DISPOSAL:** Pesticide wastes a pesticide, spray mixture, or rinsate is a violation of by use according to label directions, contact your the Hazardous Waste representative at the nearest

**CONTAINER DISPOSAL:** Metal Containers - or reconditioning, or puncture and dispose of in accordance with state and local authorities. Plastic Containers - Do not reconditioning, or puncture and dispose of in accordance with state and local authorities, by burning. If burned, stay out

DENSITY: 9.1 LBS/GAL.

# AMA<sup>®</sup>-10S

## ANTIMICROBIAL AGENT

Ingredient:  
 ethylene bis (thiocyanate) ..... 10%  
 active ingredients: ..... 90%  
 AL ..... 100%

FOR INDUSTRIAL USE ONLY

KEEP OUT OF REACH OF CHILDREN

### DANGER

### POISON



#### First Aid

- Call a 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.
- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15-20 minutes.
- Call a poison control center or doctor for further treatment.
- Move person to fresh air.
- If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.
- Call a poison control center or doctor for further treatment.
- Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.
- Call a poison control center or doctor for treatment advice.

Keep container or label with you when calling a poison control center or going for treatment.  
 Contact CHEMTREC at 800-424-9300 for additional information.

### Manufactured By

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

EPA Reg. No. 9386-26

EPA Est. No. 9386-GA-3

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**Corrosive.** Causes irreversible eye damage or skin burns. Fatal if swallowed or absorbed through skin. Do not get in eyes, on skin or on clothing. Do not breathe vapor. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals.

**Personal protective equipment.** Applicators and all other handlers must wear: Coveralls over long-sleeved shirt and long pants; Socks and chemical resistant footwear; Goggles or face shield; Chemical-resistant gloves such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, polyvinyl chloride or viton and Respirator with an organic vapor removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G) or a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with an R, P, or HE prefilter; Chemical resistant apron must be worn by mixers, loaders and for persons cleaning equipment.

**Follow manufacturer's instructions for cleaning/maintaining PPE.** If there are not such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry. Discard clothing or other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

**User safety recommendations.** User should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. If pesticide gets inside clothing remove clothing immediately, wash thoroughly, and put on clean clothing. Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing. Do not apply this product in a way that will contact workers or other persons.

**Engineering controls.** For application to cooling water systems of ≥ 4,000 gallons: Do not apply by open pouring of liquid to cooling water systems: a metering pump delivery system is required for this use and application method.

**ENVIRONMENTAL HAZARDS:** This pesticide is toxic to fish. Do not apply in marine or estuarine oil fields. 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

~~Nonrefillable container. Do not reuse or refill this container.~~

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

**PESTICIDE STORAGE:** Protect from freezing and temperatures in excess of 140°F. Keep container closed when not in use. If contents are spilled or leaked due to container damage, collect liquid with absorbent material and dispose of in accordance with local, state and federal pesticide disposal regulations.

**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 directions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**CONTAINER DISPOSAL:** Metal Containers - 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. Plastic Containers - Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

DENSITY: 9.1 LBS/GAL.

LABEL DATE:

18-Aug-09