

APR 28 1995

Vinings Industries, Inc.  
3950 Cumberland Parkway  
Atlanta, GA 30339

Attention: R.V. Hinton

Subject: AMA-10  
EPA Registration No. 9386-4  
Amendment Dated April 3, 1995

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, to revise your "Environmental Hazard" statement as per PR Notice 93-10, is acceptable, provided that you make the labeling changes listed below before you release the product for shipment bearing the amended label.

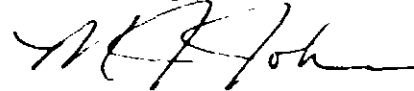
1. Under the "Statement of Practical Treatment" section, revise the statement "If ingested: Do not induce vomiting. Get medical attention" to read "If ingested: Drink promptly a large quantity of water. Do not induce vomiting. Get medical attention".

2. Delete the statement "Measures against circulatory shock, respiratory depression and convulsion may be needed".

A stamped copy of the labeling is enclosed for your records. Submit one (1) copy of the final printed label prior to release of the product for shipment.

If you have any questions concerning this letter, please contact Martha Terry at (703) 305-6982.

Sincerely,



Marion J. Johnson, Jr.  
Product Manager (31)  
Antimicrobial Program Branch  
Registration Division (7505C)

Enclosure

CONCURRENCES

SYMBOL							
SURNAME							
DATE							

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**FOR USE:**

law to use this product in a with its labeling.

**THE CONTROL OF SLIME-FORMING**

0 is added at a point in the system (raw stock chest or wirepit) where it will be uniformly intermittent for a certain number of hours per characteristics. Add 2 to 5 fluid ounces of

3.5 to 5.0 fluid ounces of AMA<sup>®</sup>-10 per ton every 8 hours. Badly fouled systems must be

to 4 fluid ounces of AMA<sup>®</sup>-10 per ton (dry basis. Badly fouled process systems must ur Vinings representative for technical advice

**SYSTEMS: FOR CONTROL OF SLIME**

(porative condensers) Bacterial Control: Use 0 gallons water 1.25 to 6.20 ppm active) as a ne to three times a week or as required to ceably fouled, use 5.8 to 12.5 fluid ounces of 8 ppm active) daily or as required to obtain d before treatment is begun. Apply at a point n distribution will occur, such as the cooling

**COVER OR COMPLETE FLUIDS: FOR**

**OF SPOILAGE BACTERIA:** Determine the calculate the number of gallons of AMA<sup>®</sup>-10 000 (1.75 lb/hbl) of AMA<sup>®</sup>-10 in the Drilling ions of AMA<sup>®</sup>-10 per 1000 barrels of drilling For best results, add AMA<sup>®</sup>-10 in a thin ulates. As the total volume increases due to 0 maintain the proper concentration.

**WATER FLOODS: FOR CONTROL OF**

**BACTERIA:** Calculate the total volume of ite the number of gallons of AMA<sup>®</sup>-10 needed 50 ppm AMA<sup>®</sup>-10. For example, 0.75 gallons will produce this dilution. Add AMA<sup>®</sup>-10 as AMA<sup>®</sup>-10, added each week is recommended e accomplished by adding 0.50 gallons of

# AMA<sup>®</sup>-10

(ANTIMICROBIAL AGENT)

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

(FOR INDUSTRIAL USE ONLY)

**KEEP OUT OF REACH OF CHILDREN**

**DANGER**

**STATEMENT OF PRACTICAL TREATMENT**

If in Eyes: Flush immediately with water and get medical attention.  
If ingested: Do not induce vomiting. Get medical attention.  
If on Skin: Remove contaminated clothing and immediately wash skin with soap and water. If irritation persists, get medical attention.  
Wash contaminated clothing before reuse.

Note To Physician: Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsions may be needed.

EPA REGISTRATION No. 9386-4      EPA ESTABLISHMENT No. 9386-GA-1

**LEATHER PROCESSING LIQUORS:** AMA<sup>®</sup>-10 may be used to prevent the growth of bacteria and fungi in the pickling and tanning processes of skins and hides. Depending upon the holding time, AMA<sup>®</sup>-10 should be added at the rate of 0.025% to 0.25% (0.25 to 2.5 lbs. of AMA<sup>®</sup>-10 per 1,000 lbs.) of white weight stock.

**MANUFACTURED BY  
VININGS INDUSTRIES, INC.  
MARIETTA, GEORGIA 30062**

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

APR 28 1995

04/03/95      8.7 LBS/GAL

Use of this product is restricted to the use specified for the product registered under EPA Reg. No. 9386-4

**PRECAUTIONARY STATEMENTS:**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

Harmful or fatal if swallowed or absorbed through the skin. Causes eye damage and skin irritation. Wear goggles or face shield and rubber gloves when handling. Do not get in eyes, on skin or on clothing.

**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.

**PHYSICAL OR CHEMICAL HAZARDS:**

Do not use or store near heat or open flame.

**STORAGE AND DISPOSAL:**

DO NOT CONTAMINATE WATER, FOOD, OR FEED BY STORAGE OR DISPOSAL

**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 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.

**BEST COPY AVAILABLE**

**NOTE TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsions may be needed.

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**FOOD AND DRUG REGULATIONS:**

The ingredients in AMA<sup>®</sup>-10 are cleared by the United States Food and Drug Administration for use in the manufacture of pulp and paper to be used for food packaging in accordance with 21 CFR 176.300.

**SHIPPING POINT:**

**PACKAGING:**

Marietta, Georgia	55 gallon drums
Washougal, Washington	350 gallon portabins
	Bulk

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

APR 28 1995

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

9386-4

gnh  
Form AMA10.TDS  
Date 04/95  
Revision: 4

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**TECHNICAL DATA**

**AMA®-10  
(ANTIMICROBIAL AGENT)**

**DESCRIPTION:**

AMA®-10 is an excellent, low cost liquid antimicrobial agent for use in paper mills, cooling towers, leather processing liquors, drilling muds and fluids, and oil field floods.

**COMPOSITION:**

Active Ingredient: Methylene bis(thiocyanate)  
Inert Ingredients: TOTAL

10%  
90%  
100%

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

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U.S. Environmental Protection Agency,  
Federal Insecticide, Fungicide and  
Rodenticide Act  
Registration for the pesticide  
registered under EPA Reg. No.  
9386-4

**TYPICAL PROPERTIES:**

Appearance: White to Beige creamy liquid  
Flash Point: Over 200°F  
pH: 4.3  
Freeze Point: 18°F

Density: 8.7 lb/gal  
Solubility: Complete at use concentration  
Viscosity: 900 cps (Brookfield)

**EFFICACY:**

AMA®-10 has been found to be an effective agent against many bacteria and fungi.

Following is a tabulation showing the ppm of AMA®-10 required to give complete inhibition at 96 hours:

**MICROORGANISM**

**MICROORGANISM**

**BACTERIA**

**PPM**

**FUNGI**

**PPM**

- 1. Flavobacterium capsulatum 2.2
- 2. Enterobacter aerogenes 10.0
- 3. Bacillus subtilis 20.0
- 4. Pseudomonas fluorescens 12.5

- 5. Aspergillus niger 20.5
- 6. Penicillium expansum 40.0
- 7. Fusarium oxysporium 40.0

**COMBINATION OF BACTERIA**

**PPM**

**COMBINATION OF FUNGI**

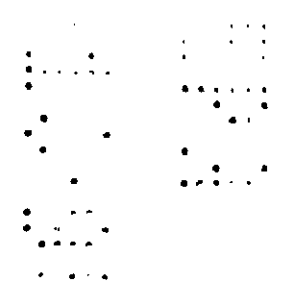
**PPM**

1,2&4(Bacterial Combination) 40.0

7,6&7(Fungal Combination) 30.3

**SULFATE-REDUCING BACTERIA PPM**

Desulfovibrio desulfuricans 5





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AMA®-10  
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**OIL FIELD 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 Vinings AMA®-10 needed to produce a concentration of approximately 750 ppm Vinings' AMA®-10. For example, 0.75 gallons of Vinings' AMA®-10 per each 1000 gallons of total volume will produce this dilution

Add Vinings' AMA®-10 as a slug treatment or intermittently.

500 ppm Vinings' AMA®-10, added each week, is recommended to maintain bacterial control. This may be accomplished by adding 0.50 gallons of Vinings' AMA®-10 to each 1000 gallons of total volume.

**TECHNICAL ASSISTANCE:**

Our technical staff is available to assist in the application of Vinings' products. You may request assistance through your sales representative or by contacting Vinings Industries at 800-347-1542.

**STORAGE AND DISPOSAL:**

**DO NOT CONTAMINATE WATER, FOOD, OR FEED  
BY STORAGE OR DISPOSAL**

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**PRECAUTIONARY STATEMENTS:**

**HAZARD TO HUMANS AND DOMESTIC ANIMALS**

**HARMFUL OR FATAL IF SWALLOWED OR ABSORBED THROUGH THE SKIN. CAUSES EYE DAMAGE AND SKIN IRRITATION.** Wear goggles or face shield and rubber gloves when handling. Do not get in eyes, on skin or on clothing.

ACCEPTED  
AND COMMENTS  
by EPA Field Office

APR 28 1995

Registration under EPA Reg. No.  
9386-4