

US ENVIRONMENTAL PROTECTION AGENCY  
OFFICE OF PESTICIDES PROGRAMS  
REGISTRATION DIVISION (TS-767)  
WASHINGTON, DC 20460

EPA REGISTRATION

DATE OF ISSUANCE

9386-26

17 JAN 1986

TERM OF ISSUANCE

NOTICE OF PESTICIDE:  REGISTRATION  
 REREGISTRATION

(Under the Federal Insecticide, Fungicide,  
and Rodenticide Act, as amended)

NAME OF PESTICIDE PRODUCT

AMA-10S

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

Vinnings Chemical Company  
3950 Cumberland Parkway  
Atlanta, GA 30339

NOTE: Changes in labeling formula 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 U.S. EPA registration number.

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.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an indorsement or approval of this product by this 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.

This product is conditionally registered in accordance with FIFRA section 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA section 3(c)(5) when the Agency requires all registrants of similar products to submit such data.
2. Make the labeling changes listed below before you release the product for shipment.
  - a. Add the phrase "EPA Registration No. 9386-26."
  - b. Delete the number 9386-28. This is not your registration number.
3. Submit five (5) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 Enclosure for a further description of final printed labeling.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 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.

*John H. Lee*

John H. Lee  
Product Manager (31)  
Disinfectants Branch  
Registration Division (TS-767C)

Enclosures

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL

DATE

## PRECAUTIONARY STATEMENTS

### HAZARD TO HUMANS AND DOMESTIC ANIMALS

**HARMFUL OR FATAL IF SWALLOWED OR ABSORBED THROUGH THE SKIN. CAUSES EYE DAMAGE AND SKIN IRRITATION.** The use of goggles or face shield and rubber gloves is recommended

### 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

### PHYSICAL AND CHEMICAL HAZARDS

**DO NOT USE OR STORE NEAR HEAT OR OPEN FLAME**

**ENVIRONMENTAL HAZARDS:** This pesticide is toxic to fish. Do not apply in marine and/or estuarine oil fields. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or public waters unless this product is specifically identified and addressed in an NPDES permit. Do not discharge effluent containing this product to sewer systems without previously notifying the sewage treatment authority. For guidance contact your State Water Board or Regional Office of EPA

## 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 containers closed when not in use. If contents are spilled or leaked due to container damage, collect liquid with absorbant material and dispose of in accordance with local, state and federal pesticide 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 instructions, 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

9/85

**VININGS**  
*Chemical Company*

ATLANTA, GEORGIA

# AMA-10

(Antimicrobial Agent)

(FOR INDUSTRIAL USE ONLY)

ACTIVE INGREDIENT:

Methylene bis (thiocyanate) .....

INERT INGREDIENTS: .....

KEEP OUT OF REACH OF CHILDREN

**DANGER**

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONS

EPA REGISTRATION NO. 9386-28 EPA ESTABLISHMENT NO. 10000

Manufactured By

**VININGS CHEMICAL COMPANY**

MARIETTA, GEORGIA 30067

AMA-10S  
(ANTIMICROBIAL AGENT)

TECHNICAL DATA

AMA-10S is an excellent, low cost liquid antimicrobial agent.

COMPOSITION:

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

TYPICAL PHYSICAL PROPERTIES:

Physical form: Creamy liquid	Color: Pale
Specific Gravity: 1.04@23°C	Density: 8.7 lbs/gal
Flash Point: Over 200° F	Solubility: Complete at use concentration
pH: 4.3	Viscosity: 215 cps (Brookfield #2 @100 RPM)
Freeze Point: 18°F	

EFFICACY:

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

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

<u>MICROORGANISM</u>	<u>PPM</u>	<u>MICROORGANISM</u>	<u>PPM</u>
<u>BACTERIA</u>		<u>FUNGI</u>	
1. <u>Flavobacterium capsulatum</u>	2.2	5. <u>Aspergillus niger</u>	20.5
2. <u>Enterobacter aerogenes</u>	40.0	6. <u>Penicillium expansum</u>	40.0
3. <u>Bacillus subtilis</u>	20.0	7. <u>Fusarium oxysporium</u>	40.0
4. <u>Pseudomonas fluorescens</u>	12.5		
<u>COMBINATION OF BACTERIA</u>	<u>PPM</u>	<u>COMBINATION OF FUNGI</u>	<u>PPM</u>
1,2&4(Bacterial Combination)	40.0	5,6&7(Fungal Combination)	30.3
<u>SULFATE-REDUCING BACTERIA</u>	<u>PPM</u>		
<u>Desulfovibrio desulfuricans</u>	5		

ACCEPTED  
with COMMENTS  
in EPA Letter Desk

JAN 17 1986

U.S. Environmental Protection Agency  
Federal Insecticide, Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.

9386-26

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 or machine chest - wirepit) where it will be uniformly mixed. Application may be continuous or intermittent for a certain number of hours each 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 fluid ounces of AMA-10S per ton (dry basis) of pulp or paper produced on a continuous basis. Badly fouled process systems must be cleaned before initial treatment.

CONTINUOUS FEED METHOD: Apply 2 to 4 fluid ounces of AMA-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 Vinings' 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-10S per 1000 gallons water (1.25 to 6.20 ppm active) as continuous treatment, one to three times a week or as required to maintain control. ACCEPTED WITH COMMENTS BY EPA

When the system is just noticeably fouled, use 5.8 to 12.5 fluid ounces of AMA-10S per 1000 gallons water (4.5 to 9.8 ppm active) as a continuous treatment daily or as required to obtain control. Badly fouled systems must be cleaned before treatment is begun. JAN 1970  
as amended  
registered under E.P.A. Reg. 9386-26

Apply at a point in the system where uniform mixing and even distribution will occur, such as the cooling tower basin or sump.

LEATHER PROCESSING LIQUORS: AMA-10S 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-10S should be added at the rate of 0.025% to 0.25% (0.25 lbs. to 2.5 lbs of AMA-10S per 1000 lbs.) of white weight stock.

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 Vinings' AMA-10S needed to produce a concentration of 5,000 ppm (1.75 lb/bbl) of Vinings' AMA-10S in the drilling mud circulating system. For example, 211 gallons of Vinings' AMA-10S per 1000 barrels of drilling fluid will produce the proper concentration.

For best results add Vinings' AMA-10S in a thin stream to the mud pit while the drilling fluid is circulating.

As the total volume increases, due to greater well depth, add additional Vinings' AMA-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-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 Vinings AMA-10S needed to produce a concentration of approximately 750 ppm Vinings' AMA-10S. For example, 0.75 gallons of Vinings' AMA-10S per each 1000 gallons of total volume will produce this dilution

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

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

TECHNICAL ASSISTANCE:

The service of our engineers is available at any time, upon request, to assist in solving problems pertaining to use of Vinings' products. Information concerning this service is available from your regular sales representative or may be obtained by writing to Vinings Chemical Company, Atlanta, Georgia 30339.

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 pesticide disposal regulations.

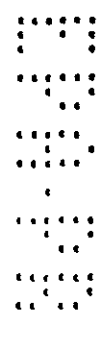
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ACCEPTED  
with COMMENTS  
EPA REGIONAL OFFICE

JAN 17 1986

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



PRECAUTIONARY STATEMENTS:

Hazard to Humans and Domestic Animals

HARMFUL OR FATAL, IF SWALLOWED OR ABSORBED THROUGH THE SKIN. CAUSES EYE DAMAGE AND SKIN IRRITATION. The use of goggles or face shield and rubber gloves is recommended.

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.

PHYSICAL & CHEMICAL HAZARDS:

Do not use or store near heat or open flame.

ENVIRONMENTAL HAZARDS:

This pesticide is toxic to fish. Do not apply in marine and/or estuarine oil fields. Do not discharge treated effluent containing this product into lakes, streams, ponds, estuaries, oceans or public waters unless this product is specifically identified and addressed in an NPDES permit. Do not discharge effluent containing this product to sewer systems without previously notifying the sewage treatment authority. For guidance contact your State water Board or Regional Office of the Environmental Protection Agency.

FOOD & DRUG REGULATIONS:

The ingredients in AMA-10S 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

Marietta, Georgia

PACKAGING

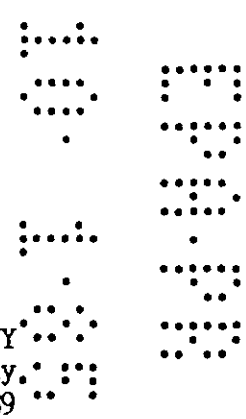
55 gallon drums  
350 gallon portabins  
Bulk

ACCEPTED  
with COMMENTS  
in EPA Label

JAN 17 1966

Under the Fungicide, and  
as amended, for the  
registered under EPA Reg

VININGS CHEMICAL COMPANY  
3950 Cumberland Parkway  
Atlanta, Georgia 30339



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