

APR 28 1995

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

Attention: R.V. Hinton

Subject: AMA-3510
EPA Registration No. 9386-14
Amendment Dated March 29, 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. Revise the statement "Drink promptly a large quantity of milk, egg whites, or gelatin solution or if these are not available, 1 or 2 glasses of water" to read "Drink promptly 1 or 2 glasses of water".
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.

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							

56
295

DIRECTIONS FOR USE:

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

**TREATMENT DIRECTIONS INDUSTRIAL AND COMMERCIAL
RECIRCULATING COOLING TOWERS:**

1. **INITIAL DOSE:** To a clean system with no visible algae or microbial slime, add 3 gallons of AMA®-3510 per 10,000 gallons of cooling water. If algae or microbial slime are visible, add 6 gallons of AMA®-3510 per 10,000 gallons of water. Repeat until control is achieved. Badly fouled systems must be cleaned before beginning treatment.

2. **MAINTENANCE DOSES IN TOWERS WITH CONTINUOUS FEED EQUIPMENT:** After adding the first dose and achieving control, maintain a level of 10 ppm of active ingredient by adding AMA®-3510 continuously at a rate of 1 gallon per 10,000 gallons of "bleed-off". If algae or slime begin to grow, add a "slug-dose" of 3 gallons of AMA®-3510 per 10,000 gallons of cooling water. Follow the "slug-dose" by maintaining a level of 10 ppm of active ingredient.

3. **MAINTENANCE DOSES IN TOWERS WITHOUT CONTINUOUS FEED EQUIPMENT:** After adding the initial dose and achieving control, add 1 to 3 gallons AMA®-3510 per 10,000 gallons of cooling water once weekly or more often to prevent the growth of algae or slime. If growth occurs, add a "slug-dose" of 3 to 6 gallons of AMA®-3510 per 10,000 gallons of cooling water and then maintain a level of 10 ppm of active ingredient.

NOTE: AMA®-3510 must be added at a point in the cooling system where it can mix uniformly into the circulating water.

ACCEPTED
with COMMENTS
in EPA Letter Dated:

APR 28 1995

Environmental Protection Agency
Washington, D.C. 20460
For the purpose of registration under EPA Reg. No.
9386-14

AMA®-3510
ANTIMICROBIAL AGENT

Active Ingredient:
n-Alkyl (50% C14, 40% C12, 10% C16) dimethyl-
benzyl ammonium chloride

Inert Ingredients:
TOTAL

KEEP OUT OF REACH OF CHILDREN

DANGER

STATEMENT OF PRACTICAL TREATMENT

If swallowed: Drink promptly a large quantity of milk, egg white solution or if these are not available, 1 or 2 glasses of alcohol. Get medical attention at once. Do not give anything by mouth to an unconscious person.

If on skin: Wash thoroughly with soap and water. Remove contaminated clothing before reuse.

If in eyes: Flush with plenty of water for at least 15 minutes.

Note to Physician: Probable mucosal damage may contraindicate the use of certain drugs. Measures against circulatory shock, respiratory depression, and convulsion may be needed.

EPA REGISTRATION No. 9386-14 EPA ESTABLISHMENT No.

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

MANUFACTURED BY
VININGS INDUSTRIES, INC.
MARIETTA, GEORGIA

2

BEST COPY AVAILABLE

IS FOR USE: 6

to use this product in a manner
with its labeling.

INDUSTRIAL AND COMMERCIAL

If no visible algae or microbial slime, add 3
cooling water. If algae or microbial slime are
1,000 gallons of water. Repeat until control is
achieved before beginning treatment.

WATERS WITH CONTINUOUS FEED

For achieving control, maintain a level of 10 ppm
continuously at a rate of 1 gallon per 10,000
gallons to grow, add a "slug-dose" of 3 gallons of
water. Follow the "slug-dose" by maintaining a

WATERS WITHOUT CONTINUOUS FEED

For achieving control, add 1 to 3 gallons
once weekly or more often to prevent the
growth, add a "slug-dose" of 3 to 6 gallons of
water and then maintain a level of 10 ppm of

point in the cooling system where it can mix

ACCEPTED
with COMMENTS
in EPA Letter Dated:

APR 28 1995

For information only, this product is not
approved for use in the United States
except under EPA Reg. No.
9386-14

AMA[®]-3510

ANTIMICROBIAL AGENT

Active Ingredient:

n-Alkyl (50% C14, 40% C12, 10% C16) dimethyl-
benzyl ammonium chloride

Inert Ingredients:

TOTAL

10%
90%
100%

KEEP OUT OF REACH OF CHILDREN

DANGER

STATEMENT OF PRACTICAL TREATMENT

If swallowed:

Drink promptly a large quantity of milk, egg whites, or gelatin
solution or if these are not available, 1 or 2 glasses of water. Avoid
alcohol. Get medical attention at once. Do not induce vomiting or
give anything by mouth to an unconscious person.

If on skin:

Wash thoroughly with soap and water. Remove and wash
contaminated clothing before reuse.

If in eyes:

Flush with plenty of water for at least 15 minutes. Call a physician.

Note to Physician:

Probable mucosal damage may contraindicate the use of gastric lavage.
Measures against circulatory shock, respiratory depression and
convulsion may be needed.

EPA REGISTRATION No. 9386-14

EPA ESTABLISHMENT No. 9386-GA-1

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

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

BEST COPY AVAILABLE

PRECAUTIONARY STATEMENTS:

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**DANGER. CORROSIVE. CAUSES SEVERE EYE AND SKIN
DAMAGE. HARMFUL OR FATAL IF SWALLOWED.** Do not get in
eyes, on skin or on clothing. Wear goggles or face shield and rubber
gloves when handling. Avoid breathing vapor or mist. Avoid
contamination of food. Do not take internally. Wash thoroughly after
handling.

ENVIRONMENTAL HAZARDS: This pesticide is toxic to fish. 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:

**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.

03/29/95

8.3 LBS/GAL.

AMA-3510 is a chemical designed to control the growth of algae and slime-forming bacteria in industrial and commercial cooling towers.

CHEMICAL COMPOSITION:

Active Ingredient: N-alkyl(50% C₁₄, 40% C₁₂, 10% C₁₆)
dimethyl benzyl ammonium chloride

Inert Ingredients: TOTAL

10%
90%
100%

ACCEPTED
With COMMENTS
in EPA Letter Dated:
APR 28 1995

TYPICAL PROPERTIES:

Physical Form: Clear water-white liquid
pH: 7.0
Density: 8.25 lb/gal
Flash Point: > 200°F (Pensky-Martens)

AMA-3510 is a chemical designed to control the growth of algae and slime-forming bacteria in industrial and commercial cooling towers. It is registered under EPA Reg. No. 9386-14.

DIRECTIONS FOR USE:

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

INDUSTRIAL AND COMMERCIAL RECIRCULATING COOLING TOWERS: FOR CONTROL OF ALGAE AND SLIME-FORMING BACTERIA:

INITIAL DOSE: To clean system with no visible algae or microbial slime, add 3 gallons of AMA®-3510 per 10,000 gallons of cooling water. If algae or microbial slime are visible, add 6 gallons of AMA®-3510 per 10,000 gallons of water. Repeat until control is achieved. Badly fouled systems must be cleaned before beginning treatment.

MAINTENANCE DOSES IN TOWERS WITH CONTINUOUS FEED EQUIPMENT: After adding the first dose and achieving control, maintain a level of 10 ppm of active ingredient by adding AMA®-3510 continuously at a rate of 1 gallon per 10,000 gallons of "bleed-off". If algae or slime begin to grow, add a "slug dose" of 3 gallons of AMA®-3510 per 10,000 gallons of cooling water. Follow the "slug dose" by maintaining a level of 10 ppm active ingredient.

MAINTENANCE DOSE IN TOWERS WITHOUT CONTINUOUS FEED EQUIPMENT: After adding the first dose and achieving control, add 1 to 3 gallons of AMA®-3510 per 10,000 gallons of cooling water once weekly or more often to prevent the growth of algae or slime. If growth occurs, add a "slug dose" of 3 to 6 gallons of AMA®-3510 per 10,000 gallons of cooling water and then maintain a level of 10 ppm of active ingredient.

NOTE: AMA®-3510 must be added at a point in the cooling system where it can mix uniformly into the circulating water.

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.

4

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.

PESTICIDE DISPOSAL: Pesticide wastes are toxic. 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.

PRECAUTIONARY STATEMENTS:
HAZARD TO HUMANS AND DOMESTIC ANIMALS

DANGER. CORROSIVE. CAUSES SEVERE EYE AND SKIN DAMAGE. HARMFUL OR FATAL IF SWALLOWED Do not get in eyes, on skin, or clothing. Wear goggles or face shield and rubber gloves when handling. Avoid breathing vapor or mist. Avoid contamination of food. Do not take internally. Wash thoroughly after handling.

STATEMENT OF PRACTICAL TREATMENT:

IF ON SKIN: Wash thoroughly with soap and water. Remove and wash contaminated clothing before reuse.
IF IN EYES: Flush with plenty of water for a least 15 minutes. Call a physician.
IF SWALLOWED: Drink promptly a large quantity of milk, egg whites, or gelatin solution, or if these are not available, 1 or 2 glasses of water. Avoid alcohol. Get medical attention at once. Do not induce vomiting or give anything by mouth to an unconscious person.

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

ENVIRONMENTAL HAZARDS:

This pesticide is toxic to fish. 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.

SHIPPING POINT:

Marietta, Georgia
 Washougal, Washington

PACKAGING:

55 gallon drums
 30 gallon drums

ACCEPTED
with COMMENTS
 in EPA Letter Dated:

APR 28 1995

gmh
 Form: AMA3510 TDS
 Date: 01/91
 Revision: 3

For the purpose of this Act,
 the pesticide
 registered under EPA Reg. No.
9386-14