

PM 31

9386-38

6/18/97

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Vikings Industries, Inc.
2303 Cumberland Parkway
Atlanta, GA 30339-4501

JUN 8 1997

Subject: AMA-15
EPA Registration Number 9386-38
Amendment Date of April 11, 1997

Attn: R.V. Hinton
Regulatory Manager

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable provided that you comply with the items listed below.

Submit/cite all data required for registration/registration of your product under FIFRA section 3 (c) 5 and section 4 when the Agency requires all registrants of similar products to submit such data.

Submit five copies of your final printed labeling before you release the product for shipment.

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.

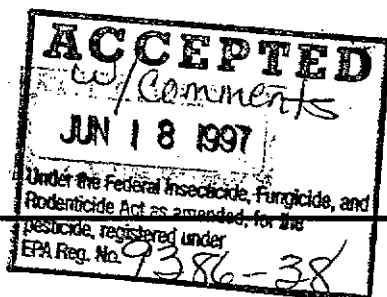
If you have any questions about the comments in this letter, you may contact Zenobia Jones at (703) 308-6198.

Sincerely,



for Marshall Swindell
Acting product Manager 31
Regulatory Management Branch 1
Antimicrobial Division (7510W)

CONCURRENCES							
SYMBOL	7510W						
SURNAME	Z. Jones						
DATE	6-19-97						



TECHNICAL DATA

AMA[®]-15

DESCRIPTION:

AMA[®]-15 is a high performance, broad spectrum microbicide for use in paper mill systems and for the preservation of coatings and dispersed pigments.

COMPOSITION:

Active ingredients:

5-chloro-2-methyl-4-isothiazolin-3-one	1.11%
2-methyl-4-isothiazolin-3-one	0.39%

Inert ingredients:

	98.50%
TOTAL	100.00%

TYPICAL PROPERTIES:

Appearance: Pale yellow to green liquid
Flash Point: Over 200°F (Pensky-Martens)
pH: 3.2

Density: 8.5 lb/gal
Solubility: Complete in water

DIRECTIONS FOR USE:

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

PAPER MILL SLIMICIDE: AMA[®]-15 is recommended for the control of bacterial and fungal slime in the production of paper.

POINT OF ADDITION: AMA[®]-15 should be added to a point in the system to insure uniform mixing such as the beater, hydropulper, or fan or broke pumps.

DOSAGE: Apply 0.44 to 1.5 lb (7 to 23 fluid ounces) of AMA[®]-15 per ton (dry basis) of pulp or paper produced as a slug dose. If needed repeat daily. Badly fouled systems should be cleaned before initial treatment.

DISPERSED PIGMENT PRESERVATION: AMA[®]-15 microbicide is recommended for the control of bacteria and fungi in the manufacture and storage of dispersed pigments such as kaolin clay, montmorillonite clay, titanium dioxide, calcium carbonate, calcium sulfate, barium sulfate, magnesium silicate, and kieselguhr used in paint and paper productions. Add 0.43 - 1.65 lbs. of AMA[®]-15 microbicide (195 - 750g) to each 1,000 lbs (453.Kg) of fluid to provide 425 to 1675 ppm product (6.25 to 25 ppm active isothiazolones).

COATING PRESERVATION: AMA[®]-15 microbicide is recommended as an in-container preservative for the control of bacteria and fungi in water-based coatings such as paper coatings. Add 0.43 - 1.65 lbs. of AMA[®]-15 microbicide (195 - 750 g.) to each 1,000 lbs. (453 kg.) of fluid to provide 425 to 1,675 ppm product (6.25 to 25 ppm active isothiazolones).

DIRECTIONS FOR USE CONT.:

INDUSTRIAL RECIRCULATING WATER COOLING TOWERS: For the control of bacteria, algae and fungi add AMA®-15 microbiocide to the tower basin, distribution box or some other point to insure uniform mixing.

INITIAL DOSE: When the system is noticeably fouled, apply 148 to 883 ppm AMA®-15 microbiocide (1.26 to 7.46 pounds or 19 to 113 fluid ounces of AMA®-15 per 1,000 gallons of water in the system). Repeat until control is achieved.

SUBSEQUENT DOSE: When microbial control is evident, add 35 to 219 ppm AMA®-15 microbiocide (0.3 to 1.86 pounds or 4.5 to 28 fluid ounces of AMA®-15 per 1,000 gallons of water in the system) weekly or as needed to maintain control. Badly fouled systems must be cleaned before treatment is begun.

AIR WASHER SYSTEMS: Add to the air washer sump or chill water sump, to insure uniform mixing. 35 to 883 ppm AMA®-15 microbiocide (0.3 to 7.46 pounds or 4.5 to 113 fluid ounces of AMA®-15 per 1,000 gallons of water in the system) depending upon the severity of contamination to control bacteria, fungi and algae which cause fouling in industrial air washer system.

INTERMITTENT OR SLUG METHOD:

INITIAL DOSE: When the system is noticeably fouled, apply 148 to 883 ppm AMA®-15 microbiocide (1.26 to 7.46 pounds or 19 to 113 fluid ounces of AMA®-15 per 1,000 gallons of water in the system). Repeat until control is achieved.

SUBSEQUENT DOSE: When microbial control is evident, add 35 to 219 ppm AMA®-15 microbiocide (0.3 to 1.86 pounds or 4.5 to 28 fluid ounces of AMA®-15 per 1,000 gallons of water in the system) weekly or as needed to maintain control.

CONTINUOUS FEED METHOD:

INITIAL DOSE: When the system is noticeably fouled, apply 148 to 883 ppm AMA®-15 microbiocide (1.26 to 7.46 pounds or 19 to 113 fluid ounces of AMA®-15 per 1,000 gallons of water in the system).

SUBSEQUENT DOSE: Maintain this treatment level by adding a continuous feed of 35 to 219 ppm AMA®-15 microbiocide (0.3 to 1.86 pounds or 4.5 to 28 fluid ounces of AMA®-15 per 1,000 gallons of makeup water). Badly fouled systems must be cleaned before initial treatment. **NOTE:** For use only in industrial air washing systems that maintain effective mist eliminating components.

INDUSTRIAL RECIRCULATING CLOSED LOOP WATER COOLING SYSTEMS: For the control of bacterial, algae and fungi, add AMA®-15 microbiocide in the reservoir, recirculating line or some other point in the system to insure uniform mixing.

INITIAL DOSE: When the system is noticeably fouled, apply 148 to 883 ppm AMA®-15 microbiocide (1.26 to 7.46 pounds or 19 to 113 fluid ounces of AMA®-15 per 1,000 gallons of water in the system). Repeat until control is achieved.

SUBSEQUENT DOSE: When microbial control is evident, add 35 to 219 ppm AMA®-15 microbiocide (0.3 to 1.86 pounds or 4.5 to 28 fluid ounces of AMA®-15 per 1,000 gallons of water in the system) weekly or as needed to maintain control. Badly fouled systems must be cleaned before treatment is begun.

BREWERY PASTEURIZERS AND CAN WARMERS: For the control of bacteria, algae and fungi in brewery pasteurizer and can warmer systems, add AMA®-15 microbiocide at a point in the system to insure uniform mixing.

INITIAL DOSE: When the system is noticeably fouled, apply 148 to 883 ppm AMA®-15 microbiocide (1.26 to 7.46 pounds or 19 to 113 fluid ounces of AMA®-15 per 1,000 gallons of water in the system). Repeat until control is achieved.

SUBSEQUENT DOSE: When microbial control is evident, add 35 to 219 ppm AMA®-15 microbiocide (0.3 to 1.86 pounds or 4.5 to 28 fluid ounces of AMA®-15 per 1,000 gallons of water in the system) weekly or as needed to maintain control. Badly fouled systems must be cleaned before treatment is begun.

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.

STATEMENT OF PRACTICAL TREATMENT

- If Swallowed:** Do not induce vomiting. Drink promptly a large quantity of egg whites, gelatin solution or if these are not available, drink large quantities of water. Avoid alcohol. Call a physician immediately. Never give anything by mouth to an unconscious person.
- If Inhaled:** Remove immediately to fresh air. If not breathing, apply artificial respiration. If breathing is difficult, give oxygen.. Call a physician.
- If on Skin:** Wash thoroughly with soap and water. Remove and wash contaminated clothing before re-use.
- 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.

STORAGE AND DISPOSAL:

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

STORAGE: This product is corrosive to mild steel. Do not store or transport in unlined metal containers. Do not contaminate food or feed by storage, disposal or cleaning of equipment.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, 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.

General: Consult Federal, State, Or Local Disposal Authorities For Approved Alternative Procedures.

PRECAUTIONARY STATEMENTS:

HAZARD TO HUMANS AND DOMESTIC ANIMALS

DANGER. CORROSIVE. Causes eye damage and skin burns. May cause allergic skin reaction. May be harmful if inhaled. May be fatal if swallowed or absorbed through the skin.

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.

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ENVIRONMENTAL HAZARDS:

This pesticide is toxic to fish and wildlife. 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 sewage treatment plant authority. For guidance contact your State Water Board or the Regional Office of the EPA. Do not contaminate water by cleaning of equipment or disposal of waste. Apply this pesticide only as specified on this label.

EPA Registration Number: 9386-38

SHIPPING POINT:

Marietta, Georgia
Washougal, Washington

PACKAGING:

30 gallon drums
55 gallon drums
Portabins
Bulk

:gms
Form: AMA15.TDS
Date: 4/97
Revision: 2