

VININGS
Chemical Company

MARIETTA, GEORGIA

AMA 10

(Anti-Microbial Agent)

(FOR INDUSTRIAL USE ONLY)

ACTIVE INGREDIENT:

Methylene bis (thiocyanate) 10%

INERT INGREDIENTS: 90%

Total 100%

EPA REGISTRATION NO. 9386-4

EPA ESTABLISHMENT NO. 9386-GA-1

CAUTION: DO NOT USE OR STORE NEAR HEAT OR OPEN FLAME

Rinse empty container thoroughly with water before discarding
or returning drum to drum conditioner.

ACCEPTED

EW 25 10

THIS PRODUCT IS A FEDERAL REGISTERED
PUNISHABLE AND VIOLATING ACT
FROM ECONOMIC POISON PREVENTION
ACT OF 1990

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DIRECTIONS FOR USE:

PAPER MILL SLIME CONTROL: Add 2 to 5 fluid ounces of AMA 10 per ton of paper or paperboard produced. AMA 10 is added at a point of high consistency where there is a good mixing. AMA 10 is best fed directly from the drum by using a chemical proportioning pump. Application may be continuous or intermittent, depending upon system characteristics. Consult your Vinings representative for technical advice concerning specific site problems.

RECIRCULATING COOLING WATER SYSTEMS: (Cooling Towers, evaporative condensers) Bacterial control. Use 0.16 to 0.79 fluid ounces per 1,000 gallon water (1.25 to 6.20 ppm) actual of AMA 10 as a continuous or intermittent slug treatment one to three times a week or as required to maintain control.

When the system is just noticeably fouled, use 0.58 to 1.25 fluid ounces per 1,000 gallons water (4.5 to 9.8 ppm) actual of AMA 10 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.

DANGER

KEEP OUT OF THE REACH OF CHILDREN

Harmful or fatal if swallowed or absorbed through skin. Causes eye damage and skin irritation. Do not get on skin, in eyes or on clothing. Remove contaminated clothing and immediately wash skin with soap and water. If irritation persists get medical attention. Wash contaminated clothing before re use.

In case of contact with eyes, immediately flush with water and get medical attention. Wash thoroughly after handling. Wear goggles or face shield and rubber gloves when handling.

This product is toxic to fish. Treated effluent should not be discharged where it will drain into lakes, streams, ponds, or public water. Do not contaminate water by disposal of wastes. Apply this product only as specified on this label.

8.30 lbs. per gallon

VININGS CHEMICAL COMPANY

ATLANTA, GEORGIA 30309

VININGS

AMA-10

(ANTI-MICROBIAL AGENT)

AMA-10 is an excellent, low cost liquid disinfectant for an effective microorganism growth preventing agent. It contains dispersants and penetrants for optimum effectiveness of the active ingredient.

COMPOSITION: Active Ingredient - 10% Methylene Bis(thiocyanate)

TYPICAL PHYSICAL PROPERTIES

Physical Form:	Straw Colored Liquid	Weight Per Gallon:	8.30 Lbs. Per Gallon
Specific Gravity:	0.99 @ 25°C	Solubility:	Water Soluble At
Flashpoint:	127°F (TOC)		Use Concentration

APPLICATION

Paper Machines - Two to five fluid ounces of AMA-10 per ton of finished paper is usually effective for control of undesirable microorganisms in paper mills. AMA-10 is most effective when added to the paper furnish early in the stock preparation system. It is important that organism growths be stopped at their origin normally at the point where the machine water mixes with the broke and/or virgin pulp furnish. Methods of addition, either continuous or intermittent, are dictated by mill conditions. AMA-10 is dispersed upon addition to the water system; it is non-corrosive at many times the suggested dosage. Consult your Vinings representative for technical advice concerning specific site problems.

AMA-10 has been found to be an effective agent against the following bacteria and fungi:

BACTERIA

	<u>PPM OF AMA-10 REQUIRED TO GIVE COMPLETE INHIBITION AS COMPARED TO WATER CONTROL</u>
1. Flavobacterium capsulatum	2.2
2. Enterobacter aerogenes	40.0
3. Bacillus subtilis	20.0
4. Pseudomonas fluorescens	12.5
5. Staphylococcus aureus	40.0

FUNGI

6. Aspergillus niger	20.5
7. Trichophyton saccarolyticum	4.0
8. Penicillium commune	40.0
9. Fusarium moniliforme	40.0



AMA-10

<u>COMBINED BACTERIA AND FUNGAL COMBINATION</u>	<u>PPM OF AMA-10 REQUIRED TO GIVE COMPLETE INHIBITION AS COMPARED TO WATER CONTROL</u>
1,2,4 Bacterial Combination	40.0
6,8,9 Fungal Combination	30.3

RECIRCULATING COOLING WATER SYSTEMS: (Cooling Towers, evaporative condensers)--
Bacterial control: Use 0.16 to 0.79 fluid oz. per 1,000 gallon water (1.25 to 6.20 ppm) actual of AMA-10 as a continuous or intermittent slug treatment one to three times a week or as required to maintain control.

When the system is just noticeably fouled, use 0.58 to 1.25 fluid ounces per 1,000 gallons water (4.5 to 9.8 ppm) actual of AMA-10 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.

TECHNICAL ASSISTANCE: The service of our engineers is available at any time upon request to assist in solving problems pertaining to uses of Vinings' products.

HANDLING: AMA-10 IS HARMFUL OR FATAL IF SWALLOWED OR ABSORBED THROUGH THE SKIN. CAUSES EYE DAMAGE AND SKIN IRRITATION. In case of contact remove contaminated clothing and immediately wash skin with soap and water. If irritation persists, get medical attention. In case of contact with eyes immediately flush with water and get medical attention. Wash contaminated clothing before reuse. The use of goggles or face shield and rubber gloves is recommended.

FDA: The ingredients in AMA-10 are authorized for use by the United States Food and Drug Administration in the manufacture of pulp and paper to be used for food packaging in accordance with FDA Regulation Number 121.2505.

FISH & WILDLIFE ENVIRONMENTAL WARNING: This product is toxic to fish. Treated effluent should not be discharged where it will drain into lakes, streams, ponds or public water. Do not contaminate water by cleaning of equipment or disposal of wastes. Apply this product only as specified on this label.

<u>SHIPPING POINT:</u>	<u>PACKAGING:</u>	<u>WEIGHT PER GALLON:</u>
Marietta, Georgia	55 Gallon Drums 350 Gallon Portabins	8.30 Pounds Per Gallon

VININGS CHEMICAL COMPANY
Atlanta, Georgia 30339