



COMPANY NUMBER 9386-

PRODUCT SERIAL NO. //

LABEL APPROVAL DATE 5-28-85

VININGS

AMA-30
(Antimicrobial Agent)

TECHNICAL DATA

AMA-30 is an aqueous solution of sodium dithiocarbamates which has the following composition on an active basis:

ACTIVE INGREDIENTS	30%
Sodium dimethyldithiocarbamate	15%
Disodium ethylene bisdithiocarbamate	15%
INERT INGREDIENTS	70%
Total	100%

AMA-30 is manufactured under carefully controlled conditions so as to minimize the formation of impurities which might affect its color or clarity.

TYPICAL PROPERTIES

Total solids	30.5 + 1.0%
pH	11.5 + 1.0
Density	9.6 lbs per gallon
Color	Yellow/green to green
Transmittance	95% minimum
Odor	H ₂ S odor

ACCEPTED
MAY 28 1985
Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 9386-11

KEEP OUT OF THE REACH OF CHILDREN

CAUTION

STATEMENTS OF PRACTICAL TREATMENT

If on skin: Wash with soap and water. If irritation persists, get medical attention.

If in eyes: Flush immediately with water. Get medical attention.

If swallowed: Drink promptly a large quantity of milk, egg whites, gelatin solution or if these are not available, drink large quantities of water. Call a physician immediately.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful or fatal if swallowed or absorbed through the skin. Causes eye damage and skin irritation. In case of contact, remove contaminated clothing immediately and wash with soap and water. Note to user: Long pants, long-sleeved shirt, rubber gloves, face shield and boots must be worn while using this product.

PHYSICAL AND CHEMICAL HAZARDS
DO NOT USE OR STORE NEAR HEAT OR FLAME

ENVIRONMENTAL HAZARDS: This product is toxic to fish. Do not apply directly to water. Do not discharge into lakes, streams, ponds or public water unless in accordance with an NPDES permit. For guidance, contact your regional office of the EPA.

DIRECTIONS FOR USE:

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

INDUSTRIAL RECIRCULATING WATER COOLING TOWERS AND
EVAPORATIVE CONDENSERS

Dosages for industrial recirculating water cooling towers or evaporative condensers will depend on the condition of the system prior to treatment initiation. Systems which are heavily contaminated should be cleaned first. Apply AMA-30 to the cleaned system or when growth is first noticed, to the following schedule:

- | | |
|------------------|--|
| Initial Dose: | Apply 13.6 fluid ounces of product per each 1000 gallons of water in the system (120ppm). This dose may be repeated once, twice or three times weekly or as required to control the growth of slime-forming organisms. |
| Subsequent Dose: | When microbial control is evident, add 2.18 to 4.36 fluid ounces of AMA-30 per 1000 gallons of water (20-40 ppm) in the system every three days or as needed. |

AIR WASHERS

In treating air washer systems, preclean by introducing a suitable detergent solution into the system and allow air washer to run with fan off for two hours. Flush. Check all nozzles and manually clean those that are plugged. Add product as specified under dosages for cooling towers.

Feeding

AMA-30 may be fed directly from the drum or diluted with water and fed by any suitable feed system. AMA-30 should be dosed directly into the pump or basin or any other location where good distribution can be assured.

PAPER MILLS

Dosage will vary from 0.1 to 2.0 pounds (0.04 to 0.81 quarts) of AMA-30 per ton of finished paper depending on the type of stock, complexity of the system, quality of raw water, and type and degree of contamination

Feeding

AMA-30 may be drip fed continuously from the drum or fed by suitable chemical pumps such as adjustable proportioning types: variable speed, positive displacement type; or by the reciprocating type. This product should be fed as early as possible in the system at such points including the hydropulper, machine chest or broke system.

AMA-30 may be used to control slime on machines which can make paper and paperboard for use in food packaging. AMA-30 complies with Title 21 Code of Federal Regulations section 176.300 of the Food Additive Regulations and may be used under conditions specified in the regulations.

CANE SUGAR MILLS

AMA-30 is a liquid which should be fed directly into the cane juice so that the treated juice circulates to all parts of the mill tandem. The points of addition will depend on mill design. Frequently the dosage will be split between the crusher juice and juice from the last mill. The best addition point is to juice which is circulated back to the crusher or first mill. Do not add this product to the maceration water.

AMA-30 should be fed continuously at the rate of 10-20 parts of product per million parts of cane ground per day. 10 ppm of product is the standard dosage. This may be raised up to a maximum of 20 ppm, if necessary. Conditions warranting some increase would be grinding of cane damaged through freezing, poor weather or delays between cutting and grinding. See feeding directions which follow.

Proper feed of AMA-30 is best obtained through the use of a chemical feed pump such as the adjustable proportioning type, the variable speed, positive displacement type or the reciprocating type. The required dosage will depend on the average daily rate of cane ground. Refer to the chart below for proper dosage in milliliters and ounces of AMA-30 to be used per minute.

Do not exceed feed rate of 4 gallons (39.2 pounds) of product per 1000 short tons of cane ground per twenty-four hours. The use of AMA-30 does not replace good housekeeping. This should include regular cleaning at least once per shift. Regular hosing of mills bagacillo conveyors, and screens with hot water and steam is essential for maintaining efficient control of microbiological slime and sucrose losses.

This product complies with Title 21 Code of Federal Regulations Section 173.320 (Chemicals used for the Control of Microorganisms in Cane and Beet Sugar Mills) of the Food Additive Regulations and may be used under conditions specified in the regulations.

BEET SUGAR MILLS

AMA-30 should be fed directly into the raw juice during sugar extraction of beets to keep equipment free of bacterial slime deposits. It is to be used at the rate of 10-20 ppm of raw beets sliced, and fed continuously into the pulp press water tank with metering pump. The maximum rate to be fed is 20 ppm. Refer to table below for the proper dosage in milliliters and ounces of AMA-30 to be used per minute.

The use of AMA-30 does not replace good housekeeping. Do not exceed feed rate of 4 gallons (39.2 pounds) of product per 1000 short tons of beets sliced per twenty-four hours.

Short Tons of Cane Ground or Raw Beets Sliced Per Day	Rate of Feed AMA-30			
	10ppm		20 ppm	
	ml/min	oz/min	ml/min	oz/min
1,000	5.5	0.186	11	0.372
2,000	11.0	0.372	22	0.744
3,000	16.5	0.558	33	1.115
4,000	22.0	0.744	44	1.487
5,000	27.5	0.930	55	1.859
6,000	33.0	1.115	66	2.231
7,000	38.5	1.301	77	2.603
8,000	44.0	1.487	88	2.974
9,000	49.5	1.673	99	3.346
10,000	55.0	1.859	110	3.718

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.

AMA-30 is a highly effective fungicide and bactericide for use in controlling the growth of bacteria and fungi found in industrial recirculating water cooling towers, air washers, evaporative condensers, pulp mills, paper mills, sugar beet and cane sugar mills. AMA-30 is not recommended for potable water or where contamination of potable water can occur.

AMA-30 has FDA clearances for the active ingredients separately and in combination under the following sections: 21 CFR 173.320 - for use in cane and beet sugar processing; 21 CFR 176.300 - for use as a slimeicide in paper and paper board and manufacture.

TECHNICAL ASSISTANCE:

The service of Vinings' 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.

SHIPPING POINT

Marietta, GA

PACKAGING

30 gallon drums
55 gallon drums
350 gallon portabins
Bulk

VININGS CHEMICAL COMPANY
3950 Cumberland Parkway
Atlanta, GA 30339

3/85
ksw

PRECAUTIONARY STATEMENTS
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PHYSICAL AND CHEMICAL HAZARDS
DO NOT USE OR STORE NEAR HEAT OR FLAME

ENVIRONMENTAL HAZARDS: This pesticide is toxic to fish. Do not apply directly to water. Do not discharge treated effluent into lakes, streams, ponds or public waters unless in accordance with NPDES permit. For guidelines, contact your regional office of the Environmental Protection Agency.

DIRECTIONS FOR USE

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STORAGE AND DISPOSAL
DO NOT CONTAMINATE WATER, FOOD, OR FEED
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P
VINING
Chem

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ACTIVE INGREDIENTS . . .
Sodium Dimethyldithiocarbamate
Nabam (Disodium ethylenebis(dithiocarbamate))
INERT INGREDIENTS . . .

KEEP

IF ON SKIN: Wash with soap and water.
IF IN EYES: Flush immediately with water.
IF SWALLOWED: Drink plenty of water. If symptoms are not relieved, seek medical attention. First aid kits are not available, drink plenty of water.

EPA REGISTERED

VININGS

M

DIRECTIONS FOR USE CONTINUED:

AIR WASHERS

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9.6 lbs. per gallon

VININGS CHEMICAL COMPANY

ATLANTA, GEORGIA 30339