

VININGS
Chemical Company

VININGS, GEORGIA

AMA 24

(Anti-Microbial Agent)

FOR INDUSTRIAL USE ONLY

ACTIVE INGREDIENT:

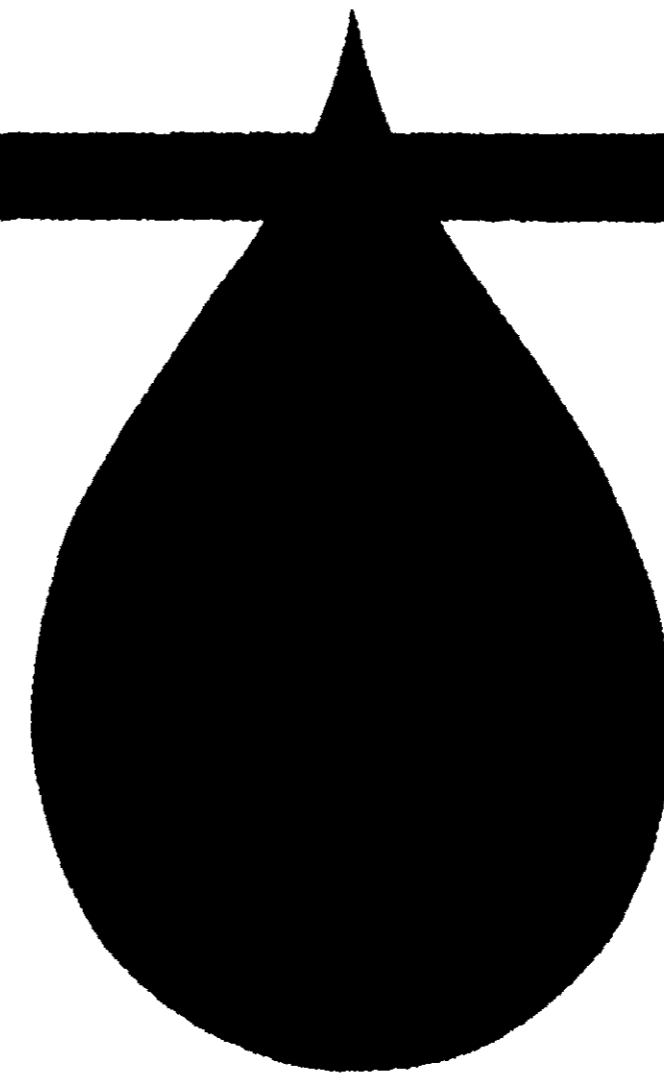
Tetrahydro-3,5, dimethyl-2H-1,3,5, thiodiazine-2-thione 24%

INERT INGREDIENTS: 76%

Total 100%

EPA REGISTRATION NO. 9386-3
EPA ESTABLISHMENT NO. 9386-GA-1

DO NOT USE, SPILL, POUR OR STORE NEAR HEAT OR OPEN FLAME



ACCEPTED
9386-3
Sept 30, 1974
UNDER THE FEDERAL INSECTICIDE
FUNGICIDE AND ROENTENECTICIDE ACT
FOR ECONOMIC PESTS CONTROLLED
ED UNDER NO. 9386-3 SUBJECT
TO ATTACHED COMMENTS.

DIRECTIONS FOR USE:

PAPER MILL SLIME CONTROL: Add 5 to 20 fluid ounces of AMA 24 per ton of paper or paperboard produced. The AMA 24 is added at a point of high consistency where there is good mixing.

AMA 24 has been found to be an effective agent against the following Bacteria and Fungi.

Bacteria:
Flavobacterium capsulatum
Enterobacter aerogenes
Bacillus subtilus
Pseudomonas fluorescens
Staphylococcus aureus

Fungi:
Aspergillus niger
Tricophyton metagrophytis
Penicillium expansum
Fusarium oxysporium

(See Technical Data Sheet)

WARNING:

KEEP OUT OF THE REACH OF CHILDREN

DO NOT APPLY TO POTABLE OR DOMESTIC WATER SYSTEMS.

Harmful if swallowed. Avoid contact with skin and eyes. Causes skin and eye irritation and may be fatal if absorbed through the skin. 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.

ANTIDOTE: If on skin, flood with water then wash with vinegar. If swallowed drink large quantities of water or milk. Follow with citrus fruit or diluted vinegar. If in eyes, flush with water for 15 minutes. Get prompt medical attention.

FISH AND 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 disposal of wastes., and Apply this product only as specified on this label.

9.75 lbs.per gallon



VININGS CHEMICAL COMPANY

VININGS, GEORGIA 30080

V I N I N G S

AMA-24

FOR PAPER & PULP MILL SLIME CONTROL

(ANTI-MICROBIAL AGENT)

AMA-24 is an excellent, low cost liquid slimicide for an effective microorganism growth control program.

COMPOSITION:

Active Ingredient: 24% Tetrahydro-3,5, dimethyl-2H-1,3,5, thiodiazine-2-thione

TYPICAL PHYSICAL PROPERTIES:

Physical Form:	Dark Liquid	pH (as mfg.):	13.3
Specific Gravity:	1.210 @ 25°C	Solubility:	Complete In Water
Flashpoint:	100°F (TOC)	Density:	9.75 Lbs. Per Gallon

APPLICATION:

Paper Machines - Five to twenty fluid ounces of AMA-24 per ton of finished paper produced is usually effective for control of undesirable microorganisms in paper mills. Used in conjunction with Dispel, an effective chemical dispersant, AMA-24 will aid in controlling system biota growth and maintain a bio-chemical equilibrium within the paper mill system. This reduces unsightly spots, wet-end breaks and, subsequently, facilitates easier and more rapid washups during wire changes.

AMA-24 has been found to be an effective agent against the following bacteria and fungi:

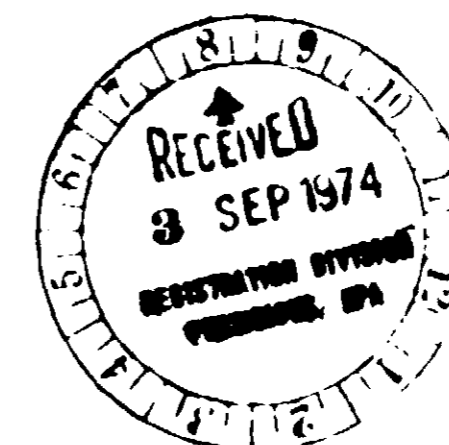
BACTERIA

PPM OF AMA-24 REQUIRED TO GIVE COMPLETE INHIBITION AS COMPARED TO WATER CONTROL

1. Flavobacterium capsulatum	167
2. Enterobacter aerogenes	1000
3. Bacillus subtilus	333
4. Pseudomonas fluorescens	1000
5. Staphylococcus aureus	1000

FUNGI

6. Aspergillus niger	333
7. Tricophyton metagraphytis	20
8. Penicillum expansum	500
9. Fusarium oxysporium	1000



AMA-24

COMBINED BACTERIAL AND FUNGAL COMBINATION

PPM OF AMA-24 REQUIRED TO GIVE COMPLETE INHIBITION AS COMPARED TO WATER CONTROL

1,2,4 (Bacterial Combination)
6,8,9 (Fungal Combination)

1000
500

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-24 is harmful if swallowed or absorbed through the skin. Causes skin irritation. Do not get on skin, in eyes or on clothing. 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.

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.

FDA: The ingredients in AMA-24 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 121.2506.

SHIPPING POINT:

Marietta, Georgia

PACKAGING:

55 Gallon Drums
350 Gallon Portabins

WEIGHT PER GALLON:

9.75 Pounds Per Gallon

VININGS CHEMICAL COMPANY
Vinings, Georgia 30080