

AMA-9 label – Left panel (page 1 of 3)

**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 TOWER 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®-9 to the cleaned system or when growth is first noticed, according to the following schedule:

**INITIAL DOSE:** Apply 43.5 ounces of product per each 1000 gallons of water in the system (400 ppm). This dose may be repeated twice or three times weekly or as required to control the growth of slime-forming organisms.

**SUBSEQUENT DOSE:** When microbial control is evident add 7.3 to 14.3 fluid ounces of AMA®-9 per 1000 gallons of water (66.7-133.3 ppm) in the system every three days or as needed.

**DRILLING FLUIDS:**AMA®-9 is a highly effective microbiocide for use in controlling the growth of fungi and bacteria found in water based drilling muds. It is especially useful in muds containing starches, Xanthanate gums, and wood sugars. The uncontrolled growth of these fungi and bacteria can cause increased corrosion, undesirable odors, and degradation of the drilling mud, especially fluid loss properties.

AMA®-9 is used at the rate of 3.7 to 18.6 gallons per 100 bbl of mud (0.067% to 0.33%). It can be used directly from the shipping container or pre-diluted with water. It can be put in through the mud hopper or added to the pump suction.

**CANE SUGAR MILLS:**AMA®-9 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 point or points of addition will depend upon 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 from the first mill. Do not add this product to the maceration water.

AMA®-9 should be fed continuously at the rate of 33.3 - 66.7 parts of product per million parts of cane ground per day. 33.3 ppm of product is the standard dosage. This may be raised up to a maximum of 66.7 ppm, if necessary. Conditions warranting, some increase would be when grinding cane is damaged through freezing, poor weather or delays between cutting and grinding.

Proper feed of AMA®-9 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 composite table I for the proper dosage in milliliters and ounces of AMA®-9 to be used per minute.

Do not exceed feed rate of 15 gallons (130.7 pounds) of product per 1000 short tons of cane ground per twenty four hours.

The use of AMA®-9 does not replace good housekeeping. This should include regular cleaning at least once per shift. Regular hosing of mills, bagacillo conveyors, and screens is essential for maintaining efficient control of microbiological slime and sucrose losses.

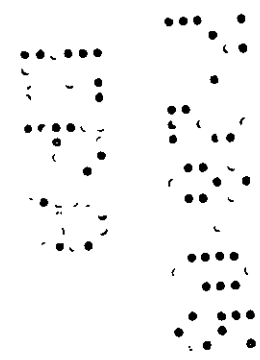
**COMPOSITE TABLE I**

Short tons of cane ground or raw beets sliced per day	RATE OF FEED OF AMA®-9			
	10 ppm		20 ppm	
	ml/min	oz/min	ml/min	oz/min
1,000	18.3	0.620	36.7	1.240
2,000	36.7	1.240	73.3	2.480
3,000	55.0	1.860	109.9	3.718
4,000	73.3	2.480	146.7	4.958
5,000	91.7	3.100	183.3	6.196
6,000	110.0	3.716	220.0	7.436
7,000	128.3	4.336	256.6	8.676
8,000	146.7	4.956	293.3	9.912
9,000	165.0	5.576	330.0	11.152
10,000	183.3	6.196	366.6	12.392

**ACCEPTED**

**JAN 09 2006**

Under the Federal Insecticide, Fungicide, and Rodenticide, Act as amended, for the pesticide, registered under EPA Reg. No. **9386-23**



AMA-9 label – Center panel (page 2 of 3)

# AMA<sup>®</sup>-9

AMA<sup>®</sup>-9 is a highly effective bactericide and fungicide for use in controlling the growth of bacteria and fungi in industrial recirculating water cooling towers, drilling fluids and cane sugar mills.

**Active Ingredients:**

Dibam (Sodium Dimethyldithiocarbamate).....4.5%

Nabam (Disodium Ethylene Bis-dithiocarbamate).....4.5%

Inert Ingredients: ..... 91.0%

TOTAL ..... 100.0%

This product contains the active ingredients Nabam and Sodium Dimethyldithiocarbamate at 0.432 pounds each per gallon.

**KEEP OUT OF REACH OF CHILDREN**

## CAUTION

First Aid	
<b>If swallowed:</b>	<ul style="list-style-type: none"> <li>- Call poison control center or doctor immediately for treatment advice.</li> <li>- Have person sip a glass of water if able to swallow.</li> <li>- Do not induce vomiting unless told to do so by the poison control center or doctor.</li> <li>- Do not give anything by mouth to an unconscious person.</li> </ul>
<b>If in eyes:</b>	<ul style="list-style-type: none"> <li>- Hold eye open and rinse slowly and gently with water for 15–20 minutes.</li> <li>- Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>- Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If on skin or clothes:</b>	<ul style="list-style-type: none"> <li>- Take off contaminated clothing.</li> <li>- Rinse skin immediately with plenty of water for 15–20 minutes.</li> <li>- Call a poison control center or doctor for treatment advice.</li> </ul>
HOTLINE NUMBER	
1.	In case of an emergency call Chemtrec at 1-800-424-9300.
2.	Have the product container or label with you when calling a poison control center or doctor or going for treatment.

EPA REG. No. 9386-23

EPA EST. No. 9386-GA-3

**Manufactured By**

**KEMIRA CHEMICALS, INC.**  
245 TownPark Drive, Suite 200  
KENNESAW, GA 30144

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AMA-9 label – Right panel (page 3 of 3)

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

Harmful if swallowed. Harmful if absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing.

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

All industrial workers applying this product must wear coveralls over a long-sleeved shirt and long pants, shoes, socks, and chemical-resistant gloves. During dilution, a chemical-resistant apron and goggles or face shield must also be worn.

**USER SAFETY REQUIREMENTS**

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and was PPE separately from other laundry.

**ENGINEERING CONTROLS**

This product must be loaded and transferred only using a metering-pump system or a closed loading/application system for the following uses: industrial recirculating water cooling tower and evaporative condensers, drilling fluids, and cane sugar mills. Open pouring is prohibited.

**USER SAFETY RECOMMENDATIONS**

Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing. Users should remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

**GENERAL PRECAUTIONS AND RESTRICTIONS**

Do not apply this product in a way that will contact worker or other persons. Avoid contamination of food and feedstuffs.

**ENVIRONMENTAL HAZARDS:** This pesticide is toxic to fish. Do not apply (or use) in estuarine oil fields where drilling fluids (muds) are discharged in the surface water. Do not contaminate water by cleaning of equipment or disposal of wastes. 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:**

- 1. **PROHIBITIONS:** Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited.
- 2. **STORAGE:** Keep from freezing. Do not store below 32°F.
- 3. **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.
- 4. **CONTAINER DISPOSAL:**
  - (a) Reseal container and offer for reconditioning, or
  - (b) **Metal Containers:** Triple rinse (or equivalent). Puncture and dispose of in a sanitary landfill or by other approved state and local procedures.
  - (c) **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.
- 5. **GENERAL:** Consult federal, state or local disposal authorities for approved alternative procedures.

LOT#

NET CONTENTS: \_\_\_\_\_ Pounds  
DENSITY: 9.6 LBS/GAL LABEL DATE: 26-Jul-05

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