

## PRECAUTIONARY STATEMENTS

### WARNING

**Hazardous to Humans and Domestic Animals**

#### ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. Do not apply in marine and/or estuarine oil fields. Do not contaminate water by cleaning of equipment or disposal of wastes. Do not discharge treated effluent into lakes, streams, ponds, or public waters unless in accordance with a NPDES permit. For guidance contact your Regional Office of the EPA.

AQUATREAT DNM-9 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 and paper mills, and beet sugar mills, and drilling fluids.

## DIRECTIONS FOR USE

### GENERAL CLASSIFICATION

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

## STORAGE AND DISPOSAL

### 1 PROHIBITIONS

Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited.

### 2 PESTICIDE DISPOSAL

Pesticide spray mixture or rinsate that cannot be used or chemically processed should be disposed of in a landfill approved for pesticides or buried in a safe place away from water supplies.

### 3 CONTAINER DISPOSAL

(a) Reseal container and offer for reconditioning or (b) Triple rinse (or equivalent) and offer for recycling, reconditioning, or disposal in approved landfill, or bury in a safe place.

### 4 GENERAL

Consult Federal, State or Local Disposal Authorities for approved alternative procedures.

## INDUSTRIAL RECIRCULATING WATER COOLING TOWERS AND EVAPORATIVE CONDENSERS

Dosages for industrial recirculating water cooling towers and evaporative condensers will depend on the condition of the system prior to treatment initiation. Systems which are heavily contaminated should be cleaned first. Apply AQUATREAT DNM-9 to the cleaned system or when growth is first noted according to the following schedule:

**Initial Dose:** Apply 43.53 ounces of product per each 100 gallons of water in the system (400 ppm). This dose may be repeated once, twice, or three times weekly, as required, to control the growth of some forms of bacteria.

**Subsequent Dose:** When more than one application is required, apply 14.53 fluid ounces of AQUATREAT DNM-9 per 100 gallons of water (166.7/133.3 ppm) in the system until the growth is controlled.

### AIR WASHERS

In treating air washer systems, pre-mix AQUATREAT DNM-9 with a suitable detergent solution into the system and run with fan off for two hours. Fan should be run for 15 minutes. Manually clean those that are plugged. Add feed under dosages for cooling towers.

### Feeding

AQUATREAT DNM-9 may be fed directly from the container, diluted with water, and fed by any suitable feed water. AQUATREAT DNM-9 should be diluted only with water, or any other liquid when required for dilution.

### PAPER MILLS

Dosage will vary from 10 to 100 ppm depending on the type of mill. AQUATREAT DNM-9 may be fed directly from the container, diluted with water, and fed by any suitable feed water.

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# AQUATREAT DNM-9

ACTIVE INGREDIENTS	9%
Sodium Dimethyldithiocarbamate	4.5%
Nabam (Disodium Ethylene Bisdithiocarbamate)	4.5%
INERT INGREDIENTS	91%
TOTAL	100%

ACCEPTED

JUN 16 1980

U.S. Environmental Protection Agency  
 registered under  
 EPA Reg. No. 3474-1-1

KEEP OUT OF REACH OF CHILDREN

## WARNING

Causes eye and skin irritation. Do not get in eyes, on skin or on clothing. Wear goggles or face shield and rubber gloves when handling. Harmful if swallowed. Avoid contamination of food.

## STATEMENT OF PRACTICAL TREATMENT

In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. For eyes, call a physician. Remove and wash contaminated clothing before reuse.

If swallowed, do not induce vomiting. Drink milk or egg whites, gelatin solution, or other bland liquid. Do not take hard laxatives. Do not take water for 24 hours.

See Side Panel For Additional Precautionary Statements.



ALCO Chemical Corporation

### DRILLING FLUID

AQUATREAT DNM-9 is a highly effective controlling the growth of fungi and bacteria based drilling fluids. It is especially useful for starches, Xanthanate gums, and controlled growth of these fungi and bacteria corrosion, undesirable odors, and degumming, especially fluid loss properties.

AQUATREAT DNM-9 is used at the rate 3 bbl of mud (10.067% to 0.33%). It can be shipped in container or pre diluted with through the mud hopper or added to it.

### CANE SUGAR MILLS

AQUATREAT DNM-9 is a liquid which should be fed to the cane juice so that the treated juice from the mill tandem. The plant or parts of mill design. Frequently, the dosage will be higher than the juice from the last mill is to the juice which is circulated back to the first mill. Do not add this product to the

AQUATREAT DNM-9 should be fed at 33.3667 parts of product per million parts of juice. 33.3 ppm of product is the standard rate up to a maximum of 66.7 ppm. If warranted, some increase would be warranted if cane damaged through freezing, poor weather cutting and grinding. See feed rate below.

Proper feed of AQUATREAT DNM-9 is by use of a chemical feed pump such as the ring type, the variable speed, positive displacement, reciprocating type. The required dosage average daily rate of cane ground. Refer to the proper dosage in milliliters and ounces of DNM-9 to be used per minute.

Do not exceed feed rate of 15 gallons (100 per 1000 short tons of cane ground per

The use of AQUATREAT DNM-9 does not require special handling. This should include regular cleaning. Regular hosing of mills bagacillo with hot water and steam is essential for control of microbiological slime and

### BEET SUGAR MILLS

AQUATREAT DNM-9 should be fed during sugar extraction of beets to kill bacterial slime deposits. It is to be used at 100 ppm of raw beets sliced and fed into press water tank with a metering pump. 100 ppm = 66.7 ppm. Refer to composite table for milliliters and ounces of AQUATREAT DNM-9.

### COMPOSITE TABLE

SHORT TONS OF CANE GROUND OR RAW BEETS SLICED PER DAY	RATE OF FEED OF 33.3 ppm	
	ml/min	oz/min
1000	18.3	0.6
2000	36.7	1.2
3000	55.0	1.8
4000	73.3	2.4
5000	91.7	3.0
6000	110.0	3.6
7000	128.3	4.2
8000	146.7	4.8
9000	165.0	5.4
10000	183.3	6.0

AQUATREAT DNM-9 is registered with Title 40 Code of Federal Regulations. It is used for the control of bacteria and Beet Sugar Mills. AQUATREAT DNM-9 may be used under conditions of registration.

**STATEMENTS**

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**nd Domestic Animals**

**IL HAZARDS**

Do not apply in manner of contaminate water by disposal of wastes. Do not pollute streams, ponds or drainage with a NPDES permit. Regional Office of the

Effective fungicide and bactericide for growth of bacteria and fungi in cooling towers, air washers and paper mills, cane and

**FOR USE**

**SIFICATION**

Use this product in a manner

**DISPOSAL**

Do not store or feed by storage or prohibited

Do not rinse that cannot be washed and should be disposed of in a safe place or buried in a safe place

Do not use for reconditioning or conditioning or disposal in a safe place

Do not use at Disposal Authorities or

**ULATING WATER**

**ERS AND**

**CONDENSERS**

Use in water cooling towers or on the condition of the systems which are heavily used. First Apply AQUATREAT when growth is first noticed

Use of product per each 1000 ppm. This dose may be weekly or as required to control organisms

Control is evident. Add 7.27 AT DNM-9 per 1000 gallons of water every three days. This

**ERS**

Can be introduced a suitable and allow air washer to wash. Check all nozzles and add product to the washers

Directly from the tank and suitable feed system. Add directly to the tank or distributor

**ILLS**

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INERT INGREDIENTS	91%
TOTAL	100%

**ACCEPTED**

JUN 16 1980

U.S. Environmental Protection Agency  
Pesticide Registration Division  
Approved for use as a pesticide  
registered under  
EPA Reg. No. 27-1274

**KEEP OUT OF REACH OF CHILDREN**

## WARNING

Causes eye and skin irritation. Do not get in eyes or on skin or on clothing. Wear goggles or face shield and rubber gloves when handling. Harmful if swallowed. Avoid contamination of food.

## STATEMENT OF PRACTICAL TREATMENT

In case of contact immediately flush eyes or skin with plenty of water for at least 15 minutes. For eyes, call a physician. Remove and wash contaminated clothing before reuse.

If swallowed, drink promptly a large quantity of milk, egg whites, gelatin, or other non-alcoholic liquid. If available, drink large quantities of water. Do not induce vomiting.

See Side Panel For Additional Precautionary Statements.

**DRILLING FLUIDS**

AQUATREAT DNM-9 is a highly effective microbicide 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 viscosity, undesirable odors, and degradation of the drilling mud, especially fluid loss properties.

AQUATREAT DNM-9 is used at the rate 3.7 to 18.667 parts per million (ppm) of mud. It can be used directly from the shipping container or pre-diluted with water and added to the mud through the mud pump or added to the mud post-circulation.

**CANE SUGAR MILLS**

AQUATREAT DNM-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 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 the juice which is recirculated back to the crusher from the first mill. Do not add this product to the maceration water.

AQUATREAT DNM-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 warranted when grinding cane damaged through freezing, poor weather or delays between cutting and grinding. See feeding directions which follow.

Proper feed of AQUATREAT DNM-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 1 for the proper dosage in milliliters and ounces of AQUATREAT DNM-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 AQUATREAT DNM-9 does not replace good house-keeping. 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 mill biological slime and sucrose losses.

**BET SUGAR MILLS**

AQUATREAT DNM-9 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 33.3-66.7 ppm of raw beets sliced and fed continuously into the pulp press water tank with the metering pump. The maximum rate to be used is 66.7 ppm. Refer to composite table 1 for the proper dosage in milliliters and ounces of AQUATREAT DNM-9 to be used per minute.

**COMPOSITE TABLE 1**

SHORT TONS OF CANE GROUND OR RAW BEETS SLICED PER DAY	RATE OF FEED OF AQUATREAT DNM-9			
	33.3ppm		66.7ppm	
	ml/min	oz/min	ml/min	oz/min
1000	18.3	0.70	36.7	1.240
2000	36.7	1.40	73.3	2.400
3000	55.0	2.10	109.9	3.716
4000	73.3	2.80	146.7	4.956
5000	91.7	3.50	183.3	6.196
6000	110.0	4.20	220.0	7.436
7000	128.3	4.90	256.6	8.676
8000	146.7	5.60	293.3	9.912
9000	165.0	6.30	330.0	11.152
10000	183.3	7.00	366.6	12.392

This product complies with Title 21, Code of Federal Regulations, Section 171.22, which is used for the Control of Microorganisms in the Beet Sugar Mills of the Food Additive Regulation. It is to be used under conditions specified in the label.



Manufactured by **ALCO Chemical Corporation**