

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-360 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, cane and beet sugar mills, and drilling fluids.

DIRECTIONS FOR USE

GENERAL CLASSIFICATION

It is a violation of Federal Law to use this product 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 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 AQUATREAT DNM-360 to the cleaned system or when growth is first noticed, according to the following schedule:

Initial Dose: Apply 10.88 ounces of product per each 1000 gallons of water in the system (100 ppm). 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 1.82 to 3.63 fluid ounces of AQUATREAT DNM-360 per 1000 gallons of water (16.7-33.3 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

AQUATREAT DNM-360 may be fed directly from the drum or diluted with water and fed by any suitable feed system. AQUATREAT DNM-360 should be dosed directly into the sump or basin or any other location where good distribution can be assured.

PAPER MILLS

Dosage will vary from 0.08 to 1.67 pounds (0.03 to 0.67 quarts) of AQUATREAT DNM-360 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

AQUATREAT DNM-360 may be drip fed continuously from the drum or fed by suitable chemical pumps such as adjustable proportioning types; variable speed, positive displacement types; 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.

AQUATREAT DNM-360 can be used to control slime on machines which can make paper and paperboard for use in food packaging. AQUATREAT DNM-360 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.

AQUATREAT DNM-360

ACTIVE INGREDIENTS	36%
Sodium Dimethyldithiocarbamate	18%
Nabam (Sodium Ethylene Bis(dithiocarbamate))	18%
INERT INGREDIENTS	64%
TOTAL	100%

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, 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.

See Side Panel For
Additional Precautionary Statements.



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Manufactured by:
ALCO Chemical Corporation
909 Mueller Drive
Chattanooga, Tenn. 37406
Phone: 615-629-1405

E.P.A. Establishment No. 31910-TN-1

E.P.A. Registration No. 31910-12

Net Contents: Liquid

See Markings on Top of Drum for Net Weight

DRILLING

AQUATREAT DNM-360 is a highly effective fungicide in controlling the growth of bacteria and fungi based drilling muds. It is especially effective against Xanthanate gums controlled growth of these fungi, corrosion, undesirable odor mud, especially fluid loss problems.

AQUATREAT DNM-360 is used at a rate of 100 bbl of mud. (0.017% to 0.033%) in the shipping container or pumped through the mud hopper or filter.

CANE SUGAR

AQUATREAT DNM-360 is a highly effective fungicide in controlling the growth of bacteria and fungi in the cane juice so that the growth of bacteria and fungi in the mill tandem. The point of application is on mill design. Frequently the growth of bacteria and fungi in the crusher juice and juice from the mill is to the juice which is circulated through the first mill. Do not add this product to the juice.

AQUATREAT DNM-360 should be used at a rate of 8.3-16.6 parts of product per 1000 parts of cane juice per day. 8.3 ppm of product is raised up to a maximum of 16.6 ppm, warranting, some increase in cane damaged through frequent cutting and grinding.

Proper feed of AQUATREAT DNM-360 is the use of a chemical feed system of the variable or the reciprocating type. The average daily rate of cane for the proper dosage in mill is 16.6 ppm of product per mill.

Do not exceed feed rate of 3.3 ppm per 1000 short tons of cane.

The use of AQUATREAT DNM-360 in housekeeping. This should be done once per shift. Regular hose screens with hot water and efficient control of microbial growth.

BETTER SUGAR

AQUATREAT DNM-360 should be used during sugar extraction of bacterial slime deposits. It is used at a rate of 16.6 ppm of raw beets sliced, a press water tank with a metered feed is 16.6 ppm. Refer to conditions in milliliters and ounces of product per minute.

COMPOSITION

SHORT TONS OF CANE GROUND OR RAW BEETS SLICED PER DAY	RATE OF APPLICATION ml/mi
1,000	4.6
2,000	9.2
3,000	13.8
4,000	18.3
5,000	22.9
6,000	27.5
7,000	32.1
8,000	36.7
9,000	41.2
10,000	45.8

This product complies with Section 173.320 (Chemicals and Pesticides) in Cane and Beet Regulations and may be used under the regulations.

ACCEPTED

APR 29 1981

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 31910-12

Seller makes no warranty, express or implied, other than that of fitness for use and assumes all risk of use and handling.

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and Domestic Animals

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water cooling towers, air wash-
pulp and paper mills, cane and
fluids.

NS FOR USE

CLASSIFICATION

to use this product in a manner

ND DISPOSAL

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is prohibited.

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pesticides or buried in a safe
supplies.

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IRCULATING WATER

TOWERS AND

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R MILLS

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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, 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.

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Net Contents: Liquid

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DRILLING FLUIDS

AQUATREAT DNM-360 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.

AQUATREAT DNM-360 is used at the rate 0.83 to 4.17 gallons per 100 bbl of mud. (0.017% to 0.083%). 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

AQUATREAT DNM-360 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 circulated back to the crusher from the first mill. Do not add this product to the maceration water.

AQUATREAT DNM-360 should be fed continuously at the rate of 8.3-16.6 parts of product per million parts of cane ground per day. 8.3 ppm of product is the standard dosage. This may be raised up to a maximum of 16.6 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-360 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-360 to be used per minute.

Do not exceed feed rate of 3.33 gallons (32.7 pounds) of product per 1000 short tons of cane ground per twenty-four hours.

The use of AQUATREAT DNM-360 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.

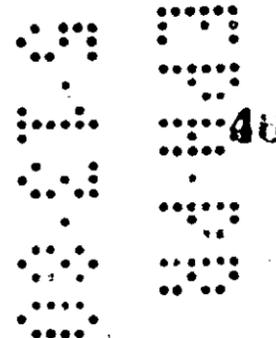
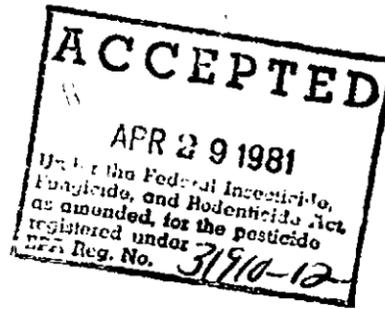
BEET SUGAR MILLS

AQUATREAT DNM-360 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 8.3-16.6 ppm of raw beets sliced, and fed continuously into the pulp press water tank with a metering pump. The maximum rate to be fed is 16.6 ppm. Refer to composite table 1 for the proper dosage in milliliters and ounces of AQUATREAT DNM-360 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-360			
	8.3ppm		16.6ppm	
	ml/min	oz/min	ml/min	oz/min
1,000	4.6	0.155	9.2	0.310
2,000	9.2	0.310	18.3	0.620
3,000	13.7	0.465	27.5	0.929
4,000	18.3	0.620	36.7	1.240
5,000	22.9	0.775	45.8	1.549
6,000	27.5	0.929	55.0	1.859
7,000	32.1	1.084	64.2	2.169
8,000	36.7	1.239	73.3	2.478
9,000	41.2	1.394	82.5	2.787
10,000	45.8	1.549	91.7	3.098

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.



Seller makes no warranty, expressed or implied, concerning the use of this product other than indicated on the label. Buyer assumes all risk of use and/or handling of this material, when such use and/or handling is contrary to label instructions.