

AQUATREAT DNM-30

FOR FORMULATION OR REPACKAGING OF BACTERICIDES AND FUNGICIDES ONLY

AQUATREAT DNM-30 is a highly effective product suitable for repackaging or formulation of fungicides and bactericides for use in controlling the growth of bacteria and fungi found in industrial recirculating water cooling towers, air washers, evaporative condensers, pulp and papermills and cane sugar mills. For use directions refer to the Technical Bulletin for AQUATREAT DNM-30.

Federal law requires that all products incorporating AQUATREAT DNM-30, whether repackaged or formulated, must be registered with the Environmental Protection Agency.

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.

ACTIVE INGREDIENTS	30%
Sodium Dimethyldithiocarbamate	15%
Nabam (Disodium Ethylene Bisdithiocarbamate)	15%
INERT INGREDIENTS	70%

Contents: Liquid
See Markings on Top of Drum
for Net Weight

Do not reuse empty containers. Container should be destroyed by perforation or crushing. Discard container in a safe place.

WARNING

KEEP OUT OF REACH OF CHILDREN

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.

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

If swallowed, drink promptly and copiously of milk, egg whites, gelatin solution, or water if these are not available. Do not induce vomiting. Call a physician immediately.

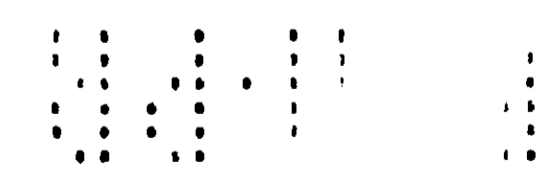
ACCEPTED
OCT 16 1973
UNDER THE FEDERAL PESTICIDE
LAW AND EXECUTIVE ORDER 11737
FOR THE YEAR 1973
31910-1

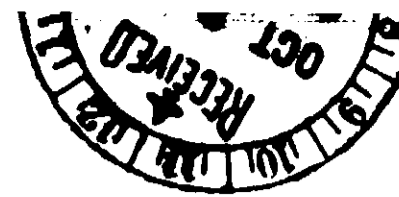


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If swallowed, drink promptly a large quantity of milk, egg whites, gelatin solution, or if these are unavailable, drink large quantities of water. Do not induce vomiting. Call a physician immediately.

The following is a summary of dosage and feeding recommendations for each use of AQUATREAT DNM-30 when repackaged as bactericide/fungicide.

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-30 to the cleaned system or when growth is first noticed, according to the following schedule:

Initial Dose: Apply 13.06 ounces of product per each 1000 gallons of water in the system (120 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 2.18 to 4.36 fluid ounces of AQUATREAT DNM-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 precleaned 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-30 may be fed directly from the drum or diluted with water and fed by any suitable feed system. AQUATREAT DNM-30 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 0.1 to 2.0 pounds (0.04 to 0.81 quarts) of AQUATREAT DNM-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

AQUATREAT DNM-30 may be drip fed continuously from the drum or fed by suitable chemical pumps such as adjustable proportioning types;

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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.

AQUATREAT DNM-30 may be used to control slime on machines which can make paper and paperboard for use in food packaging. AQUATREAT DNM-30 complies with Title 21 Code of Federal Regulations section 121.2505 of the Food Additive Regulations and may be used under conditions specified in the regulations.

CANE SUGAR MILLS

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

AQUATREAT DNM-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 AQUATREAT DNM-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. The following chart shows the proper dosage in milliliters and ounces of AQUATREAT DNM-30 to be used per minute.

Short Tons of Cane Ground per Day	Rate of Feed			
	10 ppm		20 ppm	
	ml/min	oz/min	ml/min	oz/min
1,000	5.4	0.187	10.7	0.374
2,000	10.7	0.374	21.4	0.746
3,000	16.1	0.561	32.2	1.122
4,000	21.4	0.748	42.9	1.408
5,000	26.8	0.935	53.7	1.870
6,000	32.2	1.122	64.4	2.244
7,000	37.5	1.309	75.0	2.618
8,000	42.9	1.496	85.8	2.992
9,000	48.3	1.683	96.6	3.366
10,000	53.7	1.870	107.4	3.740

Do not exceed feed rate of 4 gallons (39.2 pounds) of product per 1000 short tons of cane ground per twenty-four hours.

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These dosages apply to cane sugar mills only. Do not use this product in beet sugar mills.

The use of AQUATREAT DNM-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 121.1155 (Chemicals used for the Control of Microorganisms in Cane-Sugar Mills) of the Food Additive Regulations and may be used under conditions specified in the regulations. Do not use this product in beet sugar mills.

Products formulated from or repackaged from AQUATREAT DNM-30 require registration with the Environmental Protection Agency. The EPA Registration Number for this product is 31910-1.

The attached specimen label format may be used in developing your own label. Substitute your product's name every place you see "AQUATREAT DNM-30". On the center panel place your own company name and address where you find "ALCO CHEMICAL CORPORATION". The claims for product use must be amended to fit your intentions. Substitute Alco's EPA Registration Number with your File Symbol or Registration Number.

IMPORTANT NOTICE:

Any new uses or further reformulation of this product will require additional supportive laboratory and/or in-use efficacy and safety data.

