

PRECAUTIONARY STATEMENTS

Hazard to Humans and Domestic Animals

WARNING

Wash hands and face thoroughly with soap and water after use. Do not eat, drink, or use tobacco products while using. Wear goggles or face shield and protective gloves and protective clothing that is long-sleeved, short-tight pants and boots when handling. Harmful if swallowed. Avoid contamination of food and feedstuffs.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. Do not apply (or use) in estuarine or field 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 treated effluent into lakes, streams, ponds or public waters unless in accordance with an NPDES permit. For guidance contact your Regional Office of the Environmental Protection Agency.

AQUATREAT DNM-30 is a highly effective bactericide and fungicide for use in controlling the growth of bacteria and fungi found in paper mills, drilling fluids, secondary and tertiary petroleum recovery, fracturing fluids, workover and completion fluids, hydrocarbon fluids, storage, beet sugar mills, and cane sugar mills.

AQUATREAT DNM-30, in addition to being a bactericide and fungicide, is a highly effective algacide for use in controlling the growth of algae, as well as bacteria and fungi, found in industrial recirculating water cooling towers, evaporative condensers, and air washers.

STORAGE AND DISPOSAL

- PROHIBITIONS**
Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited.
- PESTICIDE DISPOSAL**
Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or residue 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.
- CONTAINER DISPOSAL**
 - Reseal container and offer for reconditioning or recycling.
 - Metal Containers: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or by other approved state and local procedures.
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.
- GENERAL**
Consult federal, state or local disposal authorities for approved alternative procedures.

ACCEPTED

Cooling Towers and Air Washers

AQUATREAT DNM-30

MAR 17 1992
31910-2

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

ACTIVE INGREDIENTS

Sodium Dimethylthiocarbamate 15%
Nudeam (Disodium Ethylene Bis-dithiocarbamate) 15%

INERT INGREDIENTS

70%

TOTAL

100%

DIRECTION FOR USE

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

This product must not be used on any food or feed, or to formulate any product for use on any food or feed.

INDUSTRIAL RECIRCULATING WATER COOLING TOWER AND EVAPORATIVE CONDENSERS

Dosage for industrial recirculating water cooling tower or evaporative condensers will depend on the condition of the system prior to treatment. Systems which are heavily contaminated should be cleaned first. Apply **AQUATREAT DNM-30** to the cleaned system or when growth first noticed, according to the following schedule:
INITIAL DOSE: Apply 13.06-43.60 ounces of product per each 1000 gallons of water in the system (11-40 ppm). This dose may be repeated once, two or three times weekly, or as required to control growth of slime-forming organisms.

SUBSEQUENT DOSE: When microbial control evident add 2.18-4.36 fluid ounces of **AQUATREAT DNM-30** per 1000 gallons of water (20-40 ppm) to the system every three days or as needed.

AIR WASHERS

In treating air washer systems pre-clean by introducing a suitable detergent solution into the system and allow air washers to run with fan for two hours. Check all nozzles and manually clean those that are plugged.

Feeding **AQUATREAT DNM-30** may be fed directly from the drum or diluted with water and fed by a suitable feed system. **AQUATREAT DNM-30** should be dosed directly into the sump or basin or other location where good distribution can be assured.

INITIAL DOSE: Apply 13.06-21.80 ounces of product per each 1000 gallons of water in the system (11-20 ppm). This dose may be repeated once, two or three times weekly, or as required to control growth of slime-forming organisms.

SUBSEQUENT DOSE: When microbial control evident add 2.18-4.36 fluid ounces of **AQUATREAT DNM-30** per 1000 gallons of water (20-40 ppm) to the system every three days or as needed.

FLUE GAS DESULFURIZATION (FGD) THICKENERS

AQUATREAT DNM-30 is effective in controlling aerobic bacteria (SMB's) in flue gas desulfurization (FGD) thickeners.

AQUATREAT DNM-30 is metered directly to the thickeners. It is fed at the rate 50 to 500 ppm of product on a frequency of least once per week or as required.

KEEP OUT OF REACH OF CHILDREN

WARNING

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, 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.

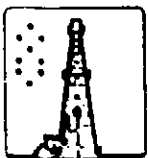
ALCALCO

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EPA Establishment No. 31910-T-1
EPA Registration No. 31910-2
Net Contents: Liquid
See Markings on Top of Drum for Net Weight

BEST AVAILABLE COPY

Drilling Fluids



DRILLING FLUIDS

AQUATREAT DNM-30 is a highly effective microbicide for use in controlling growth of fungi and bacteria found in water based drilling muds. It is especially useful in muds containing starches, arthanate 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-30 is used at the rate of 1 to 5 gallons per 100 bbl of mud (0.02% to 0.1%). It can be used directly from the shipping container or pre-diluted with water. It can be put in through a mud hopper or added to the pump suction.

SECONDARY AND TERTIARY PETROLEUM RECOVERY

AQUATREAT DNM-30 is a highly effective microbicide for use in controlling the growth of fungi and bacteria found in secondary and tertiary petroleum recovery waterflood systems.

AQUATREAT DNM-30 can be injected directly from the shipping container. It should be thoroughly mixed into the produced water, fresh or salt water or commingled water or the secondary or tertiary petroleum recovery waterflood systems for effective microbism control. It may also be diluted with water for injection.

AQUATREAT DNM-30 is used at the rate of 1 pint or 100 bbl of water for growth inhibition of *Acillus Cereus* and *Desulfovibrio desulfuricans* and 1 to 1.8 gallons per 100 bbl of water for heterotrophic bacteria including *Pseudomonas*. It is also effective against many fungi such as *Aspergillus*, *enicillium* and *Trichoderma* at the 1 pint per 100 bbl of water.

FRACTURING FLUIDS

AQUATREAT DNM-30 is a highly effective microbicide for controlling the growth of bacteria in fracturing fluids. The application rates are 0.9 to 2.25 lbs. per 1000 gallons of fracturing fluids. **AQUATREAT DNM-30** may be added and premixed prior to the fracturing operation or may be added directly from the drum to the blender during operation.

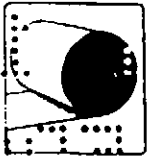
WORKOVER & COMPLETION FLUIDS

AQUATREAT DNM-30 is a highly effective microbicide for use in controlling the growth of fungi and bacteria in water based workover and completion fluids. **AQUATREAT DNM-30** is used at the rate of 1.4 quarts or 1000 gallons (0.025%-0.100%) of workover or completion fluids.

Secondary and Tertiary Oil Recovery



Pulp & Paper



HYDROCARBON FLUIDS

AQUATREAT DNM-30 is a highly effective fungicide and bactericide for use in fuel oil (No. 2 oil, intermediate fuel oil and No. 6 oil), lubricating oil and hydraulic fluids in marine environments.

AQUATREAT DNM-30 is applied initially at a level of 2.3 pints per 1000 gallons of contaminated liquid (300 ppm by weight). Subsequent dosages may be decreased once the contaminants have been brought under control.

PAPER MILLS

Dosage will vary from 0.1 to 20 pounds (0.04 to 0.81 quart) 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, 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-30 can 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 176.300 of the Food Additive Regulations and may be used under conditions specified in the regulations.

BET SUGAR MILLS

AQUATREAT DNM-30 should be fed directly into the juice during sugar extraction of beets to keep equipment free of bacterial slime deposits. It is to be used at the rate of 10-20 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 20 ppm. Refer to composite table I for the proper dosage in milliliters and ounces of **AQUATREAT DNM-30** to be used per minute.

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 points 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-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

Sugar



maximum of 20 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-30** is obtained through the use of a chemical feed pump such as the adjustable proportioning type; variable speed, positive displacement type; or 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 **AQUATREAT DNM-30** to be used per minute.

Do not exceed feed rate of 4 gallons (36.2 pounds) product per 1000 short tons of cane ground per two four hours.

The use of **AQUATREAT DNM-30** does not preclude good housekeeping. This should include regular cleaning at least once per shift. Regular hot water and steam of mills, bagacillo conveyors, and screens is essential for maintaining efficient control of microbiological slime sucrose losses.

COMPOSITE TABLE I

SHORT TONS OF CANE GROUND OR RAW BEETS SLICED PER DAY	Rate of Feed of AQUATREAT DNM-30			
	10 ppm		20 ppm	
	ml/min	oz/min	ml/min	oz/min
1,000	5.5	0.186	11	0.3
2,000	11.0	0.372	22	0.7
3,000	16.5	0.558	33	1.1
4,000	22.0	0.744	44	1.4
5,000	27.5	0.930	55	1.8
6,000	33.0	1.115	66	2.2
7,000	38.5	1.301	77	2.6
8,000	44.0	1.487	88	2.9
9,000	49.5	1.673	99	3.3
10,000	55.0	1.859	110	3.7

This product complies with Title 21 Code of Federal Regulations Section 173.320 (Chemicals used in the Control of Microorganisms in Cane and Sugar Mills) of the Food Additive Regulations may be used under conditions specified in regulations.

**For Chemical Emergency
Spill, Leak, Fire, Explosive, or Accident
Call CHEMTREC — Day or Night
1-800-424-9300**

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