


KM 31

31910-2

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(A)  United States Environmental Protection Agency
Office of Pesticide Programs (H7505C)
Washington, DC 20460

Registration Amendment
Other

OFF Identifier Number
154584

Application for Pesticide:

Section I

1. Company/Product Number 31910-2	2. EPA Product Manager Walter Francis	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) AQUATREAT DNM-30	PM# 31	
5. Name and Address of Applicant (Include ZIP Code) Alco Chemical Division National Starch & Chemical Company 909 Mueller Drive P.O. Box 5401 Chattanooga, TN 37406 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section II


<input type="checkbox"/> Amendment - Explain below	<input type="checkbox"/> Final printed label in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below	<input type="checkbox"/> Other - explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)
The purpose of this Notification is to avoid the Environmental Hazard statement to comply with EPA PR Notice 99-10 regarding Effluent Discharge Labeling Statements.

BEST AVAILABLE COPY

1. Material the Product Will be Packaged In	2. Type of Container								
<table border="1"> <tr> <td>Child-Resistant Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No</td> <td>Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No</td> <td>Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No</td> <td> <input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____ </td> </tr> <tr> <td colspan="2">* Certification must be submitted.</td> <td></td> <td></td> </tr> </table>	Child-Resistant Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____	* Certification must be submitted.				
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3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container	4. Size(s) of Retail Container	5. Location of Label Directions <input type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product							
6. Manner in Which Label is Affixed To Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled		<input type="checkbox"/> Other (_____)							

Section IV

1. Contact Point (Complete this section below for identification of individual to be contacted, if necessary, to process this application.)		
Name Chester J. Kawa, Jr.	Title Commercial Development Manager	Telephone No. (Include Area Code) 615/629-1405
2. Signature 		6. Date Application Received (Stamped)
3. Title Commercial Development Manager		
4. Typed Name Chester J. Kawa, Jr.	5. Date XXXXXX 9/25/95	

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PRECAUTIONARY STATEMENTS
Hazards to Humans and Domestic Animals
WARNING

Causes eye and skin irritation. Do not get in eyes, on skin or on clothing. 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. Harmful if swallowed. Avoid contamination of food and feedstuffs.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. Do not apply (or use) in offshore 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 see appropriate State or Federal water quality criteria.

AQUATREAT DNM-30 is a highly effective bactericide and fungicide for use in controlling the growth of bacteria and fungi in paper mills, drilling fluids, secondary and tertiary water recovery, fracturing fluids, workover and completion fluids, gas solubilization thickeners, hydraulic fracturing fluids, and other industrial applications.

AQUATREAT DNM-30 is also a highly effective algicide 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

1. PROHIBITIONS

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

2. 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 the manufacturer's instructions, they must be disposed of by a licensed waste disposal contractor under Federal or State authority and in accordance with EPA or State guidelines. For more information, contact the nearest EPA Regional Office for your area.

3. CONTAINER DISPOSAL

(a) **Plastic 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.

4. GENERAL

Consult federal, state or local disposal authorities for approved alternative procedures.

AFTER

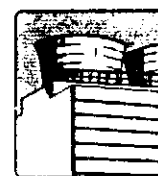
AQUATREAT® DNM-30

ACTIVE INGREDIENTS

Sodium Dimethyldithiocarbamate 15%
Nabam (Disodium Ethylene
Bis-dithiocarbamate) 15%

INERT INGREDIENTS 70%
TOTAL 100%

**Cooling Towers and
Air Washers**



DIRECTIONS 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 field crop or to formulate any product for use on any food or field crop. See Technical Data Sheet(s) for additional use pattern(s).

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. If inhaled and wash contaminated clothing before reuse.

If swallowed, drink promptly a large quantity of 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

**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 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 13.06-43.60 ounces of product per each 1000 gallons of water in the system (120-100 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 2.18-4.36 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

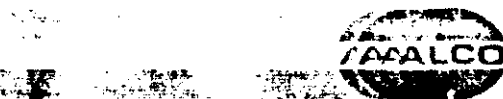
In treating air washer systems pre-clean by introducing a suitable detergent solution into the system. Run the air washer with fan off for 15 minutes to break all residues and manually clean them if they are required.

Feed the 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.

INITIAL DOSE: Apply 13.06-21.80 ounces of product per each 1000 gallons of water in the system (120-200 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 2.18-4.36 fluid ounces of AQUATREAT DNM-30 per 1000 gallons of water (20-40 ppm) in the system every three days or as needed.

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Manufactured by:

ALCO CHEMICAL DIVISION
National Starch and Chemical Company
909 Mueller Dr. • P.O. Box 5401 • Chattanooga, TN 37408
423-629-1405
FAX 423-698-8723 • TLX 755002

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

E.P.A. Registration No. 31910-2

Net Contents: Liquid

See Markings on Top of Drum for Net Weight

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 the 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 water-flood 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 chemically treated water of the secondary or tertiary oil recovery water-flood systems for effective microbicide control. It is diluted 1:1 with water for injection.

AQUATREAT DNM-30 is used at the rate of 1 pint per 100 bbl. of water for growth inhibition of *Bacillus Cereus* and *Desulfovibrio desulfuricans* and 1.1 to 1.6 gallons per 100 bbl. of water for heterotrophic bacteria including *Pseudomonas*. It is also effective against many fungi such as *Aspergillus*, *Penicillium* and *Trichoderma* at 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 0.83 to 4.5 gal. 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 the operation.

WORKOVER & COMPLETION FLUIDS

AQUATREAT DNM-30 is a highly effective microbicide for use in controlling the growth of fungi and bacteria found in water based workover and completion fluids. **AQUATREAT DNM-30** is used at the rate of 1-4 quarts per 1000 gallons (0.025%-0.100%) of workover or completion fluids.

HYDROCARBON FLUIDS (NOT APPLICABLE IN CALIFORNIA)

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 2.0 pounds (0.04 to 0.8 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 type of 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 broiler system.

AQUATREAT DNM-30 can be used to control slime on machines which can make paper and paperboard for use in food packaging.

BET SUGAR MILLS

AQUATREAT DNM-30 should be fed directly into the pulp press water 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 with a metering pump. A portion of the **AQUATREAT DNM-30** may be fed into other streams entering the diffuser each at a minimum rate of 4 ppm. The maximum total rate of all streams to be fed is 20 ppm. Refer to Composite Table 1 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

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 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-30** to be used per minute.

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

The use of **AQUATREAT DNM-30** does not replace good housekeeping. This should include regular cleaning at least once per shift. Regular hosing with hot water and steam 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 AQUATREAT DNM-30			
	10 ppm		20 ppm	
	ml/min	oz/min	ml/min	oz/min
1,000	5.5	0.186	11	0.372
2,000	11.0	0.372	22	0.744
3,000	16.5	0.558	33	1.115
4,000	22.0	0.744	44	1.487
5,000	27.5	0.930	55	1.859
6,000	33.0	1.115	66	2.231
7,000	38.5	1.301	77	2.603
8,000	44.0	1.487	88	2.974
9,000	49.5	1.673	99	3.347
10,000	55.0	1.859	110	3.718

**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 risk of use and/or handling of this material, when such use and/or handling is contrary to label instructions.

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