

Section I

1. Company/Product Number 31910-20	2. EPA Product Manager Walter Francis	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product Name AQUATREAT 100-80	31	
5. Name and Address of Applicant (Individual or Company) 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. If product is similar or identical in composition and labeling to: EPA Reg. No. Product Name	

Section II

Amendment to below	<input type="checkbox"/> File in response to
Result in response to	*M
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 Notice is to inform you of the requirements for labeling statements to comply with EPA PR Notice 13-17 regarding Effluent Discharge Labeling Statements.

Section III

1. Material This Product Will Be Packaged In:			
Child-Resistant Packaging <input type="checkbox"/> Yes* <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No If "Yes," Unit Package wgt. No. per container	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No If "Yes," Package wgt. No. per container	Container Material <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.			
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 items directly 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 			3. Title Commercial Development Manager
4. Typed Name Chester J. Kawa, Jr.			5. Date 9/25/95
6. Date Application Received (Stamped)			

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 or fatal if swallowed. Avoid contamination of food and feedstuffs.

This product is a mild skin irritant and skin sensitizer in all forms in a pigs by the National Bureau of Health.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. Do not apply (or use) in estuarine 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 with previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

AQUATREAT DNM-80 is an effective bactericide and fungicide for use in controlling the growth of bacteria and fungi in industrial recirculating water cooling towers, evaporative condensers, air washers, paper mills, drilling fluids, and secondary and tertiary petroleum recovery systems.

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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 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.

Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

3. CONTAINER DISPOSAL

When product is supplied in a water soluble bag within a plastic outer bag, completely empty plastic bag into application equipment. Do not tear or open water soluble bag. Then dispose of empty plastic bag in a sanitary landfill or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

When product is supplied in a single water soluble bag, add bag and contents directly to application equipment. Do not tear or open water soluble bag. In this case there is no container to dispose of.

PLASTIC CONTAINERS: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, 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.

Sodium

Dimethyldithiocarbamate 40%

Nabam (Disodium Ethenedis-

thiocarbamate) 20%

INERT INGREDIENTS 40%

TOTAL 100%

KEEP OUT OF REACH OF CHILDREN

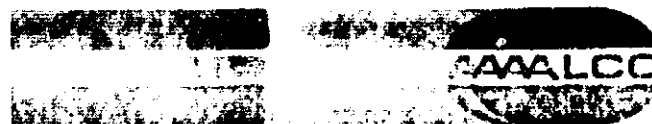
WARNING

STATEMENT OF PRECAUTIONS

In case of contact, immediately wash skin with plenty of water. For all other exposures, call a physician immediately.

If swallowed, drink promptly a large quantity of water, 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.



Manufactured by:

ALCO CHEMICAL DIVISION

National Starch and Chemical Company
909 Mueller Dr. • P.O. Box 5401 • Chattanooga, TN 37406
423-629-1405
FAX 423-698-8723 • TLX 755002

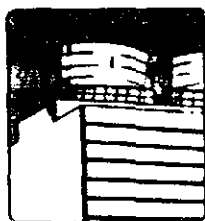
E.P.A. Establishment No. 31910-TN-1
E.P.A. Registration No. 31910-20

Net Contents: Powder
See Markings on Top of Container for Net Weight

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M-80

Cooling Towers and
Air Washers



Artek

Drilling Fluids



594

40%

40%

20%

100%

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.

INDUSTRIAL RECIRCULATING WATER COOLING TOWER 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-80** to the cleaned system or when growth is first noticed according to the following schedule.

INITIAL DOSE: Apply 4 to 6 ounces-1 pound of product per each 1000 gallons of water in the system (36-120 ppm). This dose may be repeated once, twice or three times weekly or as required to control the growth of slime-forming organisms.

MAINTENANCE DOSE: When microbial control is evident add 0.8-1.6 ounces of **AQUATREAT DNM-80** per 1000 gallons of water (6-12 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 washers to run with fan off for two hours. Check all nozzles and manually clean those that are plugged.

DOSAGE: Follow dosage and directions under Industrial Recirculating Water Cooling Tower and Evaporative Condensers.

PAPER MILLS

(NOT APPLICABLE IN CALIFORNIA)

Dosage will vary from 0.04 to 0.75 pounds of **AQUATREAT DNM-80** 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-80** should be applied as early as possible in the system at such points including the hydropulper, machine chest or broke system.

AQUATREAT DNM-80 can be used to control slime on machines which make paper and paperboard for use in food packaging.

FRACTURING FLUIDS

For the control of bacteria in fracturing fluids, add 1.6 lbs. **AQUATREAT DNM-80** per 1000 gallons of fracturing fluids (33-160 ppm).

WORKOVER & COMPLETION FLUIDS

AQUATREAT DNM-80 is an effective microbiocide in controlling the growth of fungi and bacteria found in workover and completion fluids.

AQUATREAT DNM-80 is used at the rate of 0.8-3.6 pounds per 1000 gallons of workover or completion fluids.

DRILLING FLUIDS

AQUATREAT DNM-80 is an effective microbiocide in controlling the growth of fungi and bacteria found in water-based drilling fluids. It is especially useful in muds or slurries containing starches, Xanthan gum, and wood sugar. Uncontrolled growth of these fungi and bacteria can increase corrosion, undesirable odors, and degradation of the drilling mud, especially fluid loss properties.

AQUATREAT DNM-80 is used at the rate of 0.8-3.6 pounds per 100 bbl. of mud (33-160 ppm). It can be added directly from the shipping container or predissolved in water. It can be put in through the mud hopper or to the pump suction.

SECONDARY AND TERTIARY PETROLEUM RECOVERY

AQUATREAT DNM-80 is an effective microbiocide in controlling the growth of fungi and bacteria in secondary and tertiary petroleum recovery systems.

AQUATREAT DNM-80 should be thoroughly dissolved in the produced water, fresh or salt water of completion water or the secondary or tertiary oil recovery systems for effective microorganism control. It can be predissolved in water for injection.

AQUATREAT DNM-80 is used at the rate of 0.8-3.6 lbs. per 100 bbl. of water for growth inhibition of *Bacillus*, *Corynebacterium*, *Desulfovibrio desulfuricans* and 4.1-6.7 pounds per 100 bbl. of water for heterotrophic bacteria in *Pseudomonas*. It is also effective against many fungi as *Aspergillus*, *Penicillium* and *Trichoderma* at 1.6 pounds per 100 bbl. of water.

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FRACTURING FLUIDS

For the control of bacteria in fracturing fluids, add 0.3 to 1.6 lbs. **AQUATREAT DNM-80** per 1000 gallons of fracturing fluids (33-160 ppm).

WORKOVER & COMPLETION FLUIDS

AQUATREAT DNM-80 is an effective microbiocide for use in controlling the growth of fungi and bacteria found in water based workover and completion fluids.

AQUATREAT DNM-80 is used at the rate of 0.9-3.6 pounds per 1000 gallons of workover or completion fluids.

DRILLING FLUIDS

AQUATREAT DNM-80 is an 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-80 is used at the rate of 3 to 15 pounds per 100 bbl. of mud (30-150 ppm). It can be added directly from the shipping container or predissolved in water. It can be put in through the mud hopper or added to the pump suction.

SECONDARY AND TERTIARY PETROLEUM RECOVERY

AQUATREAT DNM-80 is an effective microbiocide for use in controlling the growth of fungi and bacteria found in secondary and tertiary petroleum recovery waterflood systems.

AQUATREAT DNM-80 should be thoroughly dissolved into the produced water, fresh or salt water or commingled water or the secondary or tertiary oil recovery waterflood systems for effective microorganism control. It may also be predissolved in water for injection.

AQUATREAT DNM-80 is used at the rate of 0.3 lbs. per 100 bbl. of water for growth inhibition of *Bacillus Cereus* and *Desulfovibrio desulfuricans* and 4.1-6.7 pounds per 100 bbl. of water for heterotropic bacteria including *Pseudomonas*. It is also effective against many fungi such as *Aspergillus*, *Penicillium* and *Trichoderma* at the 0.3 pound per 100 bbl. of water.

PASTEURIZER COOLING WATER SYSTEMS

(NOT APPLICABLE IN CALIFORNIA)

Dosage will depend on the condition of the system prior to treatment initiation. Systems which are heavily contaminated should be cleaned first. Apply **AQUATREAT DNM-80** to the cleaned system or when growth is first noticed, according to the following schedule:

INITIAL DOSE: Apply 4.8 ounces-1 pound of product per each 1000 gallons of water in the system (30-120 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 0.8-1.6 ounces of **AQUATREAT DNM-80** per 1000 gallons of water (6-12 ppm) in the system every three days or as necessary.

For Chemical Emergency

Spill, Leak, Fire, Exposure, 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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