

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Mr. Chester J. Kawa, Jr.
Alco Chemical Division
National Starch & Chemical Company
909 Mueller Drive
P.O. Box 5401
Chattanooga, TN 37406

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Dear Mr. Kawa:

Subject: Amended Labeling in Response to the EBDC PD-4
Aquatreat DNM-80
EPA Registration No. 31910-20
Your Submission Dated April 3, 1992

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable with the following comment:

It was noted in your letter that this product may be used for reformulating or repackaging. These uses should also appear on the label, if applicable.

A stamped copy of the label is enclosed for your records.

Sincerely yours,

Susan T. Lewis
Product Manager (21)
Fungicide-Herbicide Branch
Registration Division (H7505C)

Enclosure

H7505C:J.Fairfax:31910-20:7/26/92							
CONCURRENCES							
SYMBOL							
SURNAME							
DATE							

**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. Lethal if swallowed. Avoid contamination of food and feedstuffs.

This product is a primary skin irritant and skin sensitizer in albino guinea pigs by the modified Buehler method.

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 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.

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.

AQUATREAT DNM-80

ACTIVE INGREDIENTS

Sodium	40%
Dimethyldithiocarbamate	40%
Nabam (Disodium Ethylene Bis-dithiocarbamate)	40%
INERT INGREDIENTS	20%
TOTAL	100%

ACCEPTED
with comments
EPA Reg. No. 31910-20

U.S. 10-3-1992

Section 3
for the pesticide
registered under EPA Reg. No.
31910-20

**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 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.**



Manufactured by

ALCO CHEMICAL DIVISION

National Starch and Chemical Company

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615-629-1405

Fax 615-698-8723 • TLX 755002

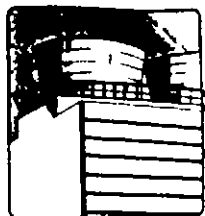
EPA Establishment No. 31910-TN-1

EPA Registration No. 31910-20

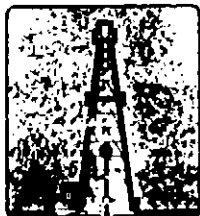
Net Content: 40 lbs.

See Markings on Top of Drum for Net Weight

Boiling Towers and Air Washers



Drilling Fluids



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 4.8 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.

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 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 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 0.3 to 1.6 lbs. **AQUATREAT DNM-80** per 1000 gallons of fracturing fluids (33-160 ppm).

Secondary and Tertiary Oil Recovery



Pulp & Paper



WORKOVER AND COMPLETION FLUIDS

AQUATREAT DNM-80 is a highly 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 0.63-2.5 pounds per 1000 gallons (0.0075%-0.03%) of workover or completion fluids.

DRILLING FLUIDS

AQUATREAT DNM-80 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-80 is used at the rate of 3 to 15 gallons per 100 bbl. of mud (60-300 ppm). It can be used 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 a highly 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 before 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 3.15 to 5.26 pounds per 100 bbl. of water for heterotrophic 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.

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.