

34688-76

10/19/2009

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460



United States
Environmental Protection
Agency

Office of Pesticide Programs

Akzo Nobel Surface Chemistry LLC
909 Mueller Drive
Chattanooga, TN 37406

OCT 19 2009

Attention: Robert M. Sielaty, Agent

Subject: Aquatreat DNM-30
EPA Registration No. 34688-76
Amendment Dated July 29, 2009

The amendment, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, is acceptable.

- Storage and Disposal Language per PR Notice 2007-4
- Change of Name and Address
- Change in signal word from "Warning" to "Caution"
- Change Precautionary Statement
- General Precautions and Restrictions
- User Safety Requirements and Recommendations
- Revised Warranty Statement

A stamped copy of the "accepted" product labeling is enclosed for your records.

If you have any questions concerning this letter, please contact Martha Terry at (703) 308-6217.

Sincerely

A handwritten signature in black ink that reads "M Swindell".

Marshall Swindell
Product Manager 33
Regulatory Management Branch 1
Antimicrobials Division (7510P)

Enclosure

PRECAUTIONARY STATEMENTS
Hazards to Humans and Domestic Animals

CAUTION

Harmful if swallowed. Harmful if adsorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking and chewing gum, or using tobacco.

PERSONAL PROTECTIVE EQUIPMENT

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.

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 without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Keep from freezing. Do not store below 32°F.

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.

CONTAINER HANDLING:

Nonrefillable container: Do not reuse or refill this container.

Plastic Containers: Triple rinse (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling if available, 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. Consult federal, state or local disposal authorities for approved alternative procedures.

AQUATREAT® DNM-30

ACTIVE INGREDIENTS

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

INERT INGREDIENTS.....70%

TOTAL.....100%

KEEP OUT OF REACH OF CHILDREN

CAUTION

FIRST AID

IF IN EYES

- Hold eye open and rinse slowly and gently with water for 15-20 minutes.
- Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
- Call a poison control center or doctor for treatment advice

IF ON SKIN OR CLOTHING

- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15-20 minutes.
- Call a poison control center or doctor for treatment advice.

IF SWALLOWED

- Call a poison control center or doctor immediately for treatment advice.
- Have person sip a glass of water if able to swallow.
- Do not induce vomiting unless told to do so by the poison control center or doctor.
- Do not give anything by mouth to an unconscious person.

IF INHALED

- Move person to fresh air.
- If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.
- Call a poison control center or doctor for further treatment advice.

HOT LINE NUMBER

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also call 1-814-693-6946 day or night for emergency medical treatment information. **For Chemical Emergency Spill, Leak, Fire, Explosive, or Accident Call CHEMTREC Day or Night 1-800-424-9300**

See Side Panel For
Additional Precautionary Statements.

Manufactured by:

AKZO NOBEL SURFACE CHEMISTRY, LLC
809 Mueller Drive Chattanooga, TN 37406
Phone 423-629-1405 Fax 423-698-8723

E.P.A. Establishment No. 31910-TN-1 E.P.A. Registration No. 34688-76
Liquid Measure: Liquid NET WEIGHT: LBS

GENERAL PRECAUTIONS AND RESTRICTIONS

Do not apply this product in a way that will contact worker or other persons.

USER SAFETY REQUIREMENTS

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS

Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing. Users should remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

ENGINEERING CONTROLS

This product must be loaded and transferred only using a metering-pump system or a closed loading/application system for the following uses: industrial recirculating water cooling tower and evaporative condensers, air washers, drilling fluids, secondary and tertiary petroleum recovery, fracturing fluids, workover and completion fluids, flue gas desulfurization (FGD) thickeners, hydrocarbon fluids storage, paper mill, beet sugar mills, and cane sugar mills. Open pot is prohibited.

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, flue gas desulfurization thickeners, hydrocarbon fluids storage, beet sugar mills and cane sugar mills.

AQUATREAT DNM-30 in addition to being a bactericide and fungicide is also 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.

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).

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

ACCEPTED
with COMMENTS
EPA Letter Dated:

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Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide,
registered under EPA Reg. No. 34688-76

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INITIAL DOSE: Apply 13.06-43.60 ounces of product per each 1000 gallons of water in the system (120-400 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 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 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.
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.

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.

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, 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-30 is used at the rate of 1 to 5 gallons per 100bbl. 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 the 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 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 oil recover waterflood systems for effective microorganism control. It may also be diluted with water for injection.

AQUATREAT DNM-30 is used at the rate of 1 pint per 100bbl. of water for growth inhibition of *Bacillus Cereus* and *Desulfovibrio desulfuricans* and 1.1 to 1.8 gallons 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 1 pint per 100bbl. 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 0.81 to 4.3 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 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.

FLUE GAS DESULFERIZATION (FGD) THICKENERS
 (NOT APPLICABLE IN CALIFORNIA)

AQUATREAT DNM-30 is effective in controlling anaerobic bacteria (SRB's) in flue gas desulfurization (FGD) thickeners.
AQUATREAT DNM-30 is metered directly to the thickener center well. It is fed at the rate of 50 to 500 ppm of product on a frequency of at least once per week or as required.

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 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 or 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.

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 for 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 can 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 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 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 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 1

SHORT TONS OF CANE GROUND OR RAW BEETS SLICED PER DAY	RATE OF FEED AQUATREAT DNM-30 10PPM ml/min	RATE OF FEED AQUATREAT DNM-30 10PPM oz/min	RATE OF FEED AQUATREAT DNM-30 20PPM ml/min	RATE OF FEED AQUATREAT DNM-30 20PPM 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	3.719

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

AKZO NOBEL SURFACE CHEMISTRY LLC warrants that this product complies with the specifications expressed on the label. To the extent consistent with applicable law, AKZO NOBEL SURFACE CHEMISTRY LLC makes no other warranties, and disclaims all other warranties, express or implied, including but not limited to warranties of merchantability and fitness for the intended purpose.

05-09

**ACCEPTED
 with COMMENTS
 EPA Letter Dated:**

OCT 19 2009

Under the Federal Insecticide, Fungicide and Rodenticide Act as amended for the pesticide, registered under EPA Reg. No. 34688-76

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