

34688-78

9/10/2009

DF-1083

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



Office of Pesticide Programs

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

SEP 10 2009

Attention: Robert M. Sielaty, Agent

Subject: Aquatreat SDM  
EPA Registration No. 34688-78  
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
- Addition of "Personal Protective Equipment"
- Removal of Sapstain use
- 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

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

Enclosure

**PRECAUTIONARY STATEMENTS**  
**Hazards to Humans and Domestic Animals**

**WARNING**

Causes eye and skin irritation. Do not get in eyes, on skin or on clothing. Wear goggles or face shield, rubber gloves and protective clothing (hats, long sleeve shirt, long pants and boots) when handling. Harmful or fatal if swallowed. Avoid contamination of food and feedstuffs.

**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:** Store in a secure, well-ventilated area, protected from extreme temperatures. Do not transfer to unmarked containers. Keep container closed when not in use.

**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® SDM

ACTIVE INGREDIENT	Sodium Dimethyldithiocarbamate.....	40%
INERT INGREDIENTS.....		60%
TOTAL.....		100%

**KEEP OUT OF REACH OF CHILDREN**

## WARNING

### 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, preferable 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 1-914-693-6946 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

EPA Establishment No. 31910-TN-THEPA Registration No. 34688-78  
Net Contents: Liquid NET WEIGHT: LBS

## DIRECTIONS FOR USE

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

### INDUSTRIAL RECIRCULATING WATER COOLING TOWER AND EVAPORATIVE CONDENSERS

(Not applicable in California)

Dosage 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 SDM to the cleaned system or when growth is first noticed, according to the following schedule:

**DOSAGE:** Apply 13-14 ounces of product per each 1000 gallons of water in the system. This dose may be repeated once, twice or three times weekly or as required to control the growth of slime-forming organisms.

### PAPER MILLS

(Not applicable in California)

Dosage will vary from 0.25 to 1.0 pounds of AQUATREAT SDM 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.

AQUATREAT SDM 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.

### BET SUGAR MILLS

(Not applicable in California)

AQUATREAT SDM should be fed directly into the raw juice during sugar extraction of beets to keep equipment free of bacterial slime deposits. It is to be used at the rate of 15-30 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 30 ppm. Refer to composite Table 1 for the proper dosage in milliliters and ounces of AQUATREAT SDM to be used per minute.

### CANE SUGAR MILLS

(Not applicable in California)

AQUATREAT SDM 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 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 SDM should be fed continuously at the rate of 15-30 parts of product per million parts of cane ground per day. 15 ppm of product is the standard dosage. This may be raised up to a maximum of 30 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 SDM 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 SDM to be used per minute.

ACCEPTED  
with COMMENTS  
EPA Letter Dated:

SEP 10 2009

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act as  
amended, for the pesticide,  
registered under EPA Reg. No. 34688-78

2009

Do not exceed feed rate of 6.1 gallons (60 pounds) of product per 1000 short tons of cane ground per twenty-four hours.

The use of AQUATREAT SDM 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 SDM 15PPM ml/min	RATE OF FEED AQUATREAT SDM 15PPM oz/min	RATE OF FEED AQUATREAT SDM 30PPM ml/min	RATE OF FEED AQUATREAT SDM 30PPM 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

**SECONDARY AND TERTIARY OIL RECOVERY**

AQUATREAT SDM is an effective microbiocide for controlling the growth of bacteria found in secondary and tertiary petroleum recovery waterflood systems. AQUATREAT SDM can be injected directly from the shipping container. It should be thoroughly mixed into the produced water, fresh or salt water or commingled water of the secondary or tertiary oil recovery waterflood systems for effective microorganism control. It may be diluted with water before injection.

AQUATREAT SDM is used at the rate of 1.7 pint per 1000 gallons of water for growth inhibition of *Bacillus Cereus* and *Desulfovibrio desulfuricans* and 6.72 pints per 1000 gallons of water for heterotropic bacteria including *Pseudomonas*.

**DRILLING FLUIDS**

(NOT APPLICABLE IN CALIFORNIA)

AQUATREAT SDM is an effective microbiocide for use in controlling the growth of 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 drilling mud especially fluid loss properties.

AQUATREAT SDM is used at the rate of 1 to 10 gallons per 100 bbl. of mud (0.02% to 0.2%). 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.

**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:**

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Fungicide, and Rodenticide Act as  
amended, for the pesticide,  
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