



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

FILE COPY

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

February 10, 2011

Juli Mann
Agent Nalco Company,
1330 Connecticut Ave, NW
Washington DC 20036-1795

Subject: Nalco Acti-Brom® 1338
EPA Registration No. 1706-168
Application Dated: December 8, 2010
Receipt Dated: December 9, 2010

Dear Ms. Mann:

This acknowledges the receipt of your Amendment application dated December 10, 2010 in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, is acceptable.

Submission and Proposed Changes

(CSF dated 12/8/2010, Form 8570-1 dated 12/8/2010, and revised label dated 12/8/2010)

Add labeling and marketing claims and additional sites and new claims for Nalco Acti-Brom® 1338 (EPA Reg# 1706-168):

1. Optional marketing claims [Chlorine Enhancer] [&] [Biodispersant]
2. Additional use sites "cooling ponds, canals, lagoons, industrial process water, air washers, pasteurizers, retort systems under "Recirculating, Cooling Water Systems"
3. Additional use sites "cooling ponds, canals and lagoons"... under "Once-through, Cooling Water and Wastewater Treatment Systems".
4. Additional two new uses for "Drip Irrigation System" and "Pulp and Papermills"

Revise CSF for the basic and two alternative formulation as well as the three new alternative formulation to account differences in nominal concentration from selected sources of sodium bromide.

General Comments

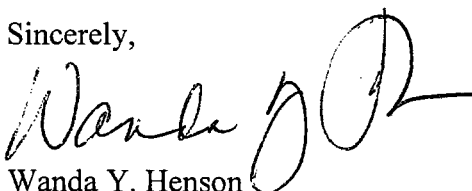
This submitted application changes for optional label marketing claims, additional use sites and the revised Basic revised basic CSF (dated December 8, 2010) with two alternative formulation as well as the three new alternative formulation to account differences in nominal concentration from select sources of sodium bromide, are acceptable. This revised CSF of December 8, 2010, will supersede all the previously accepted basic CSFs.

A stamped copy of the accepted stamped label is enclosed for your record. Submit one copy of your final printed label/labeling, promptly, before distributing or selling the product bearing the revised label/labeling.

The accepted stamped copy of the label, this amendment and a copy of this letter have been inserted in your file for future reference

If you have any questions or comments concerning this letter, please contact liem.david@epa.gov or call (703) 305-1285.

Sincerely,

A handwritten signature in black ink, appearing to read "Wanda Y. Henson", with a stylized flourish at the end.

Wanda Y. Henson
Acting Product Manager - Team 32
Regulatory Management Branch II
Antimicrobial Division (7510P)

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

CAUTION. HARMFUL IF SWALLOWED. HARMFUL IF ABSORBED THROUGH SKIN. CAUSES MODERATE EYE IRRITATION. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash separately before reuse.

ENVIRONMENTAL HAZARDS

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.

PHYSICAL AND CHEMICAL HAZARDS

REDUCING AGENT. Do not allow this product to come in contact with acids or oxidizing agents under conditions other than controlled feed to the system. Use only as directed. Gross mixing of this product with acids or oxidizing agents may cause evolution of hydrogen bromide gas which is poisonous and corrosive.

This product is not flammable. However, in fires fueled by other materials hydrogen bromide or bromine may be released.

STORAGE AND DISPOSAL

STORAGE: Store in a cool dry place away from direct sunlight. Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited.

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

(Instructions for refillable containers:)

Container Handling: Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Then offer for recycling, if available, or reconditioning, or puncture and dispose of in a sanitary landfill, or incinerate or burn, if allowed by state and local authorities. If burned, stay out of smoke.

(Instructions for non-refillable containers greater than 5 gallons:)

Container Handling: Non-refillable container. Do not reuse or refill this container. Triple rinse (or equivalent) container promptly after emptying. Triple rinse as follows: Empty remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back, 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 reconditioning, or puncture and dispose of in a sanitary landfill, or incinerate or burn, if allowed by state and local authorities. If burned, stay out of smoke.

(Instructions for non-refillable containers 5 gallons or less:)

Container Handling: Non-refillable container. Do not reuse or refill this container. Triple rinse (or equivalent) container promptly after emptying. Triple rinse as follows: Empty remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling, if available, or reconditioning, or puncture and dispose of in a sanitary landfill, or incinerate or burn, if allowed by state and local authorities. If burned, stay out of smoke.

EPA Reg. No. 1706-168

EPA Est. No. 1706-CA-1 (CR)

EPA Est. No. 1706-IL-1 (BP)

EPA Est. No. 1706-PA-1 (EL)

EPA Est. No. 1706-LA-1 (GV)

EPA Est. No. 1706-WA-1 (VW)

EPA Est. No. 68708-TX-1 (SL)

Letter in () that matches first letter in batch number identifies the establishment number.

Revised: 12-8-2010

Note to EPA Reviewer: All text in brackets [xxx] is optional and may or may not be included on a final label.



ACTI-BROM® 1338

[CHLORINE ENHANCER] [&] BIODISPERSANT

Hypobromous Acid Generating Source For Use in Utility and Industrial once Through and Recirculating Cooling Water Systems Utilizing Chlorination

ACTIVE INGREDIENT:

Sodium Bromide.....42.8%

INERT INGREDIENTS.....57.2%

Total.....100.0%

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

FIRST AID

If swallowed:

- Call a poison control center or a doctor immediately for treatment advice.
- **DO NOT INDUCE VOMITING.**
- Do not give anything to drink.

If in eyes:

- Hold eye open and rinse slowly and gently with water for 15-20 minutes.
- After at least 15 minutes of rinsing or after it is judged that nearly all of the contamination has been removed. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.
- Call a poison control center or a doctor immediately 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 a doctor for treatment advice.

If inhaled:

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

NOTE TO PHYSICIAN:

Aspiration may cause lung damage. Probable mucosal damage may contraindicate the use of gastric lavage. Have the MSDS and, if available, the product container or label with you when calling a poison control center or a doctor, or going for treatment.

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

ACCEPTED
with COMMENTS
by EPA Letter Dated:

FEB 10 2011

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide, registered under EPA Reg. No. 1706-168

Nalco Company
1601 West Diehl Road
Naperville, IL 60563-1193
EMERGENCY PHONE NO. (800) 424-9300

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. ACTI-BROM 1338 is a source of hypobromous chlorination.

RECIROC

When used as directed, ACTI-BROM 1338 will kill barnacles and other molluscs, in commercial heat exchange water systems, cooling ponds, and industrial water scrubbing systems.

DOSAGE RATES: Add ACTI-BROM 1338

1) 1.8 to 29.0 pounds of chlorine gas (99.5% sodium bromide solution);

2) 1.4 to 23.2 gallons sodium hypochlorite solution (12.5% available chlorine) per 1000 gals. of water.

INITIAL DOSE: When the system is not water contained in the system and oxidized (contaminated water), or sodium hypochlorite solution (contaminated water).

SUBSEQUENT DOSE: When microbial growth of water contained in the system, (contaminated water), or sodium hypochlorite solution (contaminated water).

ONCE-THROUGH COOLING

When used as directed, ACTI-BROM 1338 will kill barnacles and other molluscs in a once-through system. It helps to disinfect secondary and tertiary water systems. **DOSAGE RATES:** Add ACTI-BROM 1338

1) 1.8 to 29.0 pounds of chlorine gas (99.5% sodium bromide solution);

2) 1.4 to 23.2 gallons sodium hypochlorite solution (12.5% available chlorine) per 1000 gals. of water.

INITIAL DOSE: When the system is not water contained in the system and oxidized (contaminated water), or sodium hypochlorite solution (contaminated water).

SUBSEQUENT DOSE: When microbial growth of water contained in the system, (contaminated water), or sodium hypochlorite solution (contaminated water).

Specific dosage of ACTI-BROM 1338 chemistry and the severity of contamination instructions.

For the control of algal and microbial slimy growths in water.

DOSAGE RATES: Add this product to the water at the following rates:

1) 1.8 to 29.0 pounds of chlorine gas (99.5% sodium bromide solution); or,

2) 1.4 to 23.2 gallons sodium hypochlorite solution (12.5% available chlorine) per 1000 gals. of water.

Add sufficient amount of this product and bromine level of 0.2 to 5 ppm as needed to product mixed with 0.0016 gallons 12.5% be added whenever chlorination is applied.

MEASUREMENT OF BROMINE RESIDUALS: Residuals should be measured in water taken after drawing water samples at the emitter.

When used in conjunction with an oxidant, mill fresh and sea water influent water systems, white water systems, non-potable water systems. **DOSAGE RATES:** Add this product to the water at the following rates:

1) 1.8 to 29.0 pounds of chlorine gas (99.5% sodium bromide solution); or,

2) 1.4 to 23.2 gallons sodium hypochlorite solution (12.5% available chlorine) per 1000 gals. of water.

Add sufficient amount of mixed product to product mixed with 0.0016 gallons 12.5% be added whenever chlorination is applied.

Note to EPA Reviewer

PRODUCT IS NOT REGULATED DURING TRANSPORTATION

ENTS
TIC ANIMALS

BED THROUGH SKIN. CAUSES
hing. Wash thoroughly with soap and
y before reuse.

nds, estuaries, oceans or other waters
harge Elimination System (NPDES)
discharge. Do not discharge effluent
g the local sewage treatment plant
ice of the EPA.

with acids or oxidizing agents under
d. Gross mixing of this product with
which is poisonous and corrosive.

erials hydrogen bromide or bromine

not contaminate water, food or feed

ct may be disposed of on site or at an

a pesticide only. Do not reuse this
disposal is the responsibility of the
nsibility of the refiller. To clean the
container into application equipment
vigorously or recirculate water with
ipment or rinsate collection system.
g, if available, or reconditioning, or
llowed by state and local authorities.

ins:)
fill this container. Triple rinse (or
ws: Empty remaining contents into
r. Replace and tighten closures. Tip
evolution, for 30 seconds. Stand the
ntainer over onto its other end and tip
ipment or a mix tank or store rinsate
n offer for recycling, if available, or
erate or burn, if allowed by state and

fill this container. Triple rinse (or
ws: Empty remaining contents into
low begins to drip. Fill the container
plication equipment or a mix tank or
ie flow begins to drip. Repeat this
e conditioning, or puncture and dispose
cal authorities. If burned, stay out of

-1 (BP)
A-1 (GV)
X-1 (SL)

ie establishment number.



ACTI-BROM[®] 1338

[CHLORINE ENHANCER][&][BIODISPERSANT]

Hypobromous Acid Generating Source For Use in Utility and Industrial once Through and Recirculating Cooling Water Systems Utilizing Chlorination

ACTIVE INGREDIENT:	
Sodium Bromide.....	42.8%
INERT INGREDIENTS.....	
Total.....	100.0%

KEEP OUT OF REACH OF CHILDREN CAUTION

FIRST AID

- If swallowed:**
- Call a poison control center or a doctor immediately for treatment advice.
 - DO NOT INDUCE VOMITING.
 - Do not give anything to drink.
- If in eyes:**
- Hold eye open and rinse slowly and gently with water for 15-20 minutes.
 - After at least 15 minutes of rinsing or after it is judged that nearly all of the contamination has been removed. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.
 - Call a poison control center or a doctor immediately 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 a doctor for treatment advice.
- If inhaled:**
- Move person to fresh air.
 - If person is not breathing, call 911 or an ambulance, and then give artificial respiration, preferably mouth-to-mouth if possible.
 - Call a poison control center or a doctor for further treatment advice.
- NOTE TO PHYSICIAN:**
Aspiration may cause lung damage. Probable mucosal damage may contraindicate the use of gastric lavage. Have the MSDS and, if available, the product container or label with you when calling a poison control center or a doctor, or going for treatment.

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

ACCEPTED
with COMMENTS
EPA Letter Dated: FEB 10 2011
Nalco Company
1601 West Diehl Road
Naperville, IL 60563-1193
EMERGENCY PHONE NO. (800) 424-9300

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide, registered under EPA Reg. No. 1706-168

PRODUCT IS NOT REGULATED DURING TRANSPORTATION

may or may not be included on a final label.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. ACTI-BROM 1338 is a source of hypobromous acid when applied to cooling water systems already being treated by chlorination.

RECIRCULATING COOLING WATER SYSTEMS

When used as directed, ACTI-BROM 1338 helps to effectively control algae, bacterial and fungal slime, asiatic clams, barnacles and other molluscs, in commercial and industrial cooling towers; influent water systems such as flow through filters; heat exchange water systems; cooling ponds; canals; lagoons; industrial process water; air washers; pasteurizers; retort systems; and industrial water scrubbing systems.

DOSAGE RATES: Add ACTI-BROM 1338 to the system at a 0.125 to 2.0 sodium bromide/oxidant mole ratio. For example:

- 1) 1.8 to 29.0 pounds of chlorine gas (99.9%) per gallon of sodium bromide solution;
- 2) 1.4 to 23.2 gallons sodium hypochlorite (12.5% available chlorine) solution per gallon of sodium bromide solution.

INITIAL DOSE: When the system is noticeably fouled, add 0.0003 to 0.022 gallons of ACTI-BROM 1338/1000 gallons of water contained in the system and oxidize with either gas chlorine (0.008 to 0.042 lbs. gas chlorine per 1000 gallons of contained water), or sodium hypochlorite solution (0.007 to 0.034 gallons of 12.5% sodium hypochlorite solution per 1000 gals of contained water).

SUBSEQUENT DOSE: When microbial control is evident, add 0.00014 to 0.022 gallons of ACTI-BROM 1338 per 1000 gallons of water contained in the system, and oxidize with either gas chlorine (0.004 to 0.042 lbs. gas chlorine/1000 gals of contained water), or sodium hypochlorite solution (0.003 to 0.034 gallons of 12.5% sodium hypochlorite solution/1000 gallons of contained water).

ONCE-THROUGH COOLING WATER AND WASTEWATER TREATMENT SYSTEMS

When used as directed, ACTI-BROM 1338 helps to effectively control algae, bacterial and fungal slime, asiatic clams, barnacles and other molluscs in a once-through fresh and sea water cooling systems, cooling ponds, canals and helps to disinfect secondary and tertiary waste-water treatment systems currently being chlorinated.

DOSAGE RATES: Add ACTI-BROM 1338 to the system at a 0.125 to 2.0 sodium bromide/oxidant mole ratio. For example:

- 1) 1.8 to 29.0 pounds of chlorine gas (99.9%) per gallon of sodium bromide solution;
- 2) 1.4 to 23.2 gallons sodium hypochlorite (12.5% available chlorine) solution per gallon of sodium bromide solution.

INITIAL DOSE: When the system is noticeably fouled, add 0.0007 to 0.044 gallons of ACTI-BROM 1338/1000 gallons of water contained in the system, and oxidize with either gas chlorine (0.02 to 0.08 lbs. gas chlorine per 1000 gallons of contained volume), or sodium hypochlorite solution (0.02 to 0.07 gallons 12.5% sodium hypochlorite solution/1000 gallons of contained volume).

SUBSEQUENT DOSE: When microbial control is evident, add 0.0003 to 0.044 gallons ACTI-BROM 1338 per 1000 gallons of water contained in the system, and oxidize with either gas chlorine (0.008 to 0.08 lbs. gas chlorine/1000 gallons contained volume), or sodium hypochlorite solution (0.006 to 0.07 gals 12.5% sodium hypochlorite solution per 1000 gallons of contained volume).

Specific dosage of ACTI-BROM 1338 will vary depending upon the operating characteristics of the system, the water chemistry and the severity of contamination. Consult your NALCO Representative and Product Bulletin for feeding and dosage instructions.

DRIP IRRIGATION SYSTEMS

For the control of algal and microbial slimes in drip irrigation distribution lines, preventing plugging and allowing uniform distribution of water.

DOSAGE RATES: Add this product to the system at a 0.125 to 2.0 sodium bromide/oxidant mole ratio. For example:

- 1) 1.8 to 29.0 pounds of chlorine gas (99.9%) per gallon of sodium bromide solution; or,
- 2) 1.4 to 23.2 gallons sodium hypochlorite (12.5% available chlorine) solution per gallon of sodium bromide solution.

Add sufficient amount of this product and oxidize with either gas chlorine or sodium hypochlorite solution to achieve a residual bromine level of 0.2 to 5 ppm as needed to maintain control of the system. For 0.2 ppm bromine add 0.000464 gallons of this product mixed with 0.0016 gallons 12.5% bleach or 0.00168 lbs. gas chlorine per 1,000 gallons water treated. This can be added whenever chlorination is applied.

MEASUREMENT OF BROMINE RESIDUALS: Treatment levels of this product can be measured with a test kit. Bromine residuals should be measured in water taken from the treated system while it is running. Tests should be made immediately after drawing water samples at the emitter farthest from the injection pump.

PULP AND PAPER MILLS

When used in conjunction with an oxidant, this product effectively controls algal, bacterial and fungal slime in pulp and paper mill fresh and sea water influent water systems; cooling water systems; wastewater treatment systems; service water systems; white water systems; non-potable water systems; and other process water.

DOSAGE RATES: Add this product to the system at a 0.125 to 2.0 sodium bromide/oxidant mole ratio. For example:

- 1) 1.8 to 29.0 pounds of chlorine gas (99.9%) per gallon of sodium bromide solution; or,
- 2) 1.4 to 23.2 gallons sodium hypochlorite (12.5% available chlorine) solution per gallon of sodium bromide solution.

Add sufficient amount of mixed product/oxidant solution to achieve a residual bromine level of 0.5 to 5 ppm. For 0.5 ppm add 0.00051 gallons of product and 0.0018 gallons of (12.5%) bleach or 0.0019 lbs. gas chlorine per 1,000 gallons of water treated.

[Batch/Lot Number: _____]
Note to EPA Reviewer: Batch/Lot Number may or may not appear on the label.

4/4