



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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

October 15, 2008

OFFICE OF  
PREVENTION, PESTICIDES  
AND TOXIC SUBSTANCES

Ann M. Oxford  
Manager, Regulatory Affairs  
Albemarle Corporation  
541 Florida Street  
Baton Rouge, LA 70801

Subject: STABROM 910 Biocide  
EPA Registration No. 3377-74  
Application Date: July 18, 2008  
Receipt Date: July 28, 2008

Dear Ms. Oxford:

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

- Addition of signal word in Spanish
- Minor change to First Aid Statement
- Addition of specific PPE to Precautionary Statement
- Clarification of Directions for Use
- Revision to Storage & Disposal Instructions per PR notice 2007-4

**General Comments**

A stamped copy of the accepted labeling is enclosed. Submit 1 copy of your final printed label before distributing or selling the product bearing the revised labeling.

Should you have any questions or comments concerning this letter, please contact Wanda Henson at 703-308-6345.

Sincerely,

Emily H. Mitchell  
Product Manager (32)  
Regulatory Management Branch II  
Antimicrobials Division (7510P)

CONCURRENCES

MBOL	7510P	7520P					
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# STABROM® 910 BIOCID

FOR USE AS A FUNGICIDE, ALGICIDE, SLIMICIDE AND MICROBIOCIDE IN  
RECIRCULATING COOLING AND PROCESS WATER SYSTEMS,  
HEAT TRANSFER SYSTEMS,  
AIR WASHERS AND INDUSTRIAL SCRUBBING SYSTEMS,  
CONTAINERIZED PONDS AND DECORATIVE FOUNTAINS,  
INDUSTRIAL ONCE-THROUGH COOLING WATER SYSTEMS,  
PULP AND PAPER MILLS,

### ACTIVE INGREDIENTS

Sodium hypochlorite ..... 6.36%  
Sodium bromide ..... 9.23%

OTHER INGREDIENTS ..... 84.41%

TOTAL ..... 100.00%

Total Available bromine = approximately 14%  
(expressed as chlorine = approximately 6.4%)

## KEEP OUT OF REACH OF CHILDREN DANGER/PELIGRO

### FIRST AID

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

**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 a poison control center or doctor. Do not give anything by mouth to an unconscious person.

**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 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.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage. See side panel for additional precautionary statements

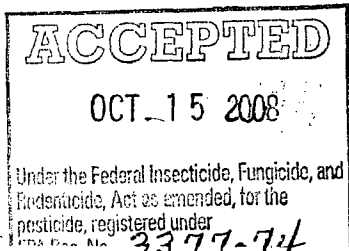
ALBEMARLE CORPORATION  
451 FLORIDA STREET  
BATON ROUGE, LA 70801

In case of emergency endangering life or property involving this product, call collect (225) 344-7147

EPA Reg. No. 3377-74  
EPA Est. 3377-AR-1, 42403-TX-1

Net Contents: \_\_\_\_\_

Batch number: \_\_\_\_\_



STABROM 910 Biocide label.

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

**DANGER** Corrosive. Causes irreversible eye damage and skin burns. Harmful if inhaled. Harmful if swallowed. Do not get in eyes on skin or on clothing. Wear protective eyewear (chemical goggles or face shield), protective clothing and rubber gloves resistant to chemical permeation. Avoid breathing spray mist. Remove and wash contaminated clothing before reuse. Wash thoroughly with soap and water after handling.

**ENVIRONMENTAL HAZARDS**

This pesticide is toxic to fish and aquatic organisms. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or public 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 sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA. Apply this pesticide only as specified on the label.

**DIRECTIONS FOR USE**

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

When used as directed, STABROM 910 BIOCIDE effectively controls bacteria, fungi, algae and slime in commercial and industrial water systems.

STABROM 910 BIOCIDE may be added at system inlet water or other locations in the system at a point of uniform mixing where the treated water will be circulated or mixed throughout the system. Badly fouled systems should be cleaned before treatment begins. The product may be applied to the system either continuously or intermittently (slug dose) or as needed to obtain the recommended total bromine level. The frequency of feeding and dosage rate will depend upon the severity of the problem.

**INITIAL DOSES:** When the system is noticeably fouled, apply sufficient STABROM 910 BIOCIDE to achieve a total bromine level of 4.5 – 9.0 ppm or as needed to maintain control. Applying 2 fluid ounces to 1000 gallons of water yields a maximum of 2.2 ppm of total bromine.

**SUBSEQUENT DOSES:** When microbial control is evident, apply sufficient STABROM 910 BIOCIDE to achieve a total bromine level of 4.5 – 9.0 ppm or as needed to maintain control.

Treatment levels of STABROM 910 BIOCIDE can best be measured with test kits for either bromine or chlorine. Tests should be made immediately after drawing water samples from the system. Use test kits according to directions. When a bromine test kit is used, results can be read directly as ppm bromine. When a chlorine test kit is used, results can be expressed in terms of bromine by multiplying chlorine values by the conversion factor 2.25.

RECIRCULATING COOLING AND PROCESS WATER SYSTEMS

When used as directed, STABROM 910 BIOCIDE effectively controls bacteria, fungi, algae and slime in commercial and industrial cooling towers; heat exchange water towers, evaporative condensers, utility plant cooling systems, industrial water scrubbing systems, and influent systems such as flow through filters, lagoons, etc.

HEAT TRANSFER SYSTEMS

For control of bacteria and fungi in heat transfer systems such as hydrostatic sterilizers and retorts, pasteurizers and warmers, and batch and continuous cookers.

AIR WASHERS AND INDUSTRIAL SCRUBBING SYSTEMS

Use only in industrial air washer systems that have mist-eliminating components. For control of microorganisms in industrial air washer or scrubbing systems add sufficient STABROM 910 BIOCIDE to the air washer sump or chill water. The STABROM 910 BIOCIDE should be applied to achieve a total

STABROM 910 Biocide label.

bromine level of 4.5 – 9.0 ppm or as needed to maintain control. Sampling of the treated systems should be at the bleed-off point and total bromine residuals determined with an appropriate test kit.

CONTAINERIZED PONDS AND DECORATIVE FOUNTAINS

STABROM 910 BIOCIDE may be applied at the pond or fountain inlet or at a location that permits complete diffusion into the water at maximum retention time before reaching the outlet. Sufficient STABROM 910 BIOCIDE should be fed to maintain a total bromine level of 4.5 – 9.0 ppm in all parts of the pond or fountain, or as needed to maintain control.

INDUSTRIAL ONCE-THROUGH COOLING WATER SYSTEMS

When used as directed, STABROM 910 BIOCIDE effectively controls bacteria, fungi, algae and slime in once-through and closed-cycle fresh and sea water cooling systems. Apply STABROM 910 BIOCIDE to the system inlet water or before any other contaminated area in the system.

PULP AND PAPER MILLS

STABROM 910 BIOCIDE must be applied to the raw water intake prior to the filter house, economizer, or process water. Feed at a dosage sufficient to provide a total bromine level of 4.5 – 9.0 ppm or as needed to maintain control. The product may be applied to the system either continuously or intermittently (slug dose) or as needed to obtain the recommended total bromine level. STABROM 910 BIOCIDE may be used in pulp and paper influent water systems where the manufactured paper or paperboard may be used for food contact purposes.

**STORAGE AND DISPOSAL**

Do not contaminate water, food, or feed by storage, disposal or cleaning of equipment.

STORAGE: Avoid freezing, excessive heat or exposure to light, especially direct sunlight. If heating is necessary to prevent freezing, care must be taken to prevent overheating. The average product temperature should be maintained below 110° F. Temperature monitoring is recommended. At elevated temperatures, self-heating can lead to vigorous gas generation and over-pressurization of storage containers.

STORAGE CONTAINER: Vented and opaque containers: The product should be stored in vented containers as pressure can build-up in the headspace (nitrogen). To maximize product shelf life, store in opaque containers in a cool, dry, well-ventilated area.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. 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 DISPOSAL: [5 gallon] Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Offer for reconditioning if appropriate.

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 1/4 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.

CONTAINER DISPOSAL: [30 and 55 gallon drums] Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Offer for reconditioning if appropriate.

Triple rinse as follows: Empty 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.

STABROM 910 Biocide label

*[The following statements will be used on labels for totes]*

Refillable container. Refill this container with like pesticide products. Do not reuse this container for any other purpose.

CONTAINER RETURN FOR REFILL: Verify that the tote is empty. Do not rinse or clean. Seal tote and contact appropriate vendor for tote pickup. Cleaning before refilling is the responsibility of the refiller.

CONTAINER DISPOSAL: Cleaning the container before final disposal is the responsibility of the person disposing of the container. To clean the container before final disposal, empty the remaining contents from this container into application equipment or a 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.

*[The following statements will be used on labels for stationary tanks]*

Refillable container. Refill this container with like pesticide products. Do not reuse this container for any other purpose.

CONTAINER DISPOSAL: Cleaning the container before final disposal is the responsibility of the person disposing of the container. To clean the container before final disposal, empty the remaining contents from this container into application equipment or a 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.