

3377-78

6-30-2006

1/5



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

JUN 30 2006

Ann M. Oxford
Albemarle Corp.
451 Florida Street
Baton Rouge, LA. 70801-1765

RE: Name Change and Alternate CSF Application Dated: March 30, 2006
Product Name: Stabrom Plus Biocide
EPA Registration Number: 3377-78

Dear Ms. Oxford:

The Agency has reviewed your submission submitted in accordance with continuing registration under the Federal Insecticide Fungicide and Rodenticide Act (FIFRA), as amended, and determined the action to be acceptable. In summary, your request to revise the basic and alternate formulations has been reviewed and approved. A copy of our review is enclosed. In addition, your request to change the product name to Stabrom Plus Biocide from Stabrom 909.2 Biocide and make slight changes to the label is approved. A copy of your stamped accepted label is enclosed.

If you have questions concerning this letter, please contact Tom Luminello by telephone, (703) 308-8075, or by e-mail at luminello.tom@epa.gov.

Sincerely,

Emily H. Mitchell
Product Manager 32
Antimicrobials Division

Enclosures

2/5

STABROM PLUS 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,
WASTEWATER SYSTEMS,

CONTROLS BIOFILM DEPOSITS FROM PUMPS, PIPEWORK, HEAT EXCHANGERS, AND FILTERS
ASSOCIATED WITH INDUSTRIAL WATER TREATMENT SYSTEMS

ACTIVE INGREDIENT

Bromine Chloride	13.2%
OTHER INGREDIENTS	86.8%
TOTAL	100.0%

Total Available bromine = approximately 18%
(expressed as chlorine = approximately 8%)

KEEP OUT OF REACH OF CHILDREN DANGER

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.

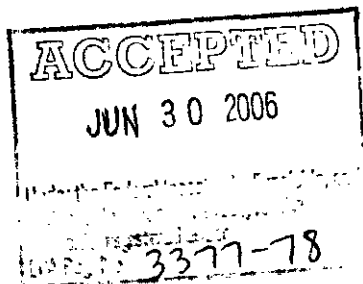
NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.
See side panel for additional precautionary statements

 **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. 3377-78
EPA Est. 3377-AR-1

Net Contents: _____



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

DANGER Corrosive. Causes irreversible eye damage and skin burns. Do not get in eyes on skin or on clothing. Wear protective eyewear (goggles or face shield), clothing and rubber gloves. Harmful if swallowed, or absorbed through the skin. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

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.

PHYSICAL AND CHEMICAL HAZARDS

STABROM PLUS BIOCIDE is not flammable. Avoid contact with alcohols, aldehydes, strong reducing agents, strong oxidizers, acids, and ammonia containing products. Avoid contact with metals such as steel, aluminum, iron and copper. Use of incompatible materials can promote the exothermic decomposition of the product. In extreme cases, this could result in vigorous gas formation and over-pressurization of storage containers.

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 PLUS BIOCIDE effectively controls bacteria, fungi, algae and slime in commercial and industrial water systems. STABROM PLUS BIOCIDE can also be used to control biofilm deposits from pumps, pipework, heat exchangers, and filters associated with industrial water treatment systems.

STABROM PLUS 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 PLUS BIOCIDE to achieve a total bromine level of 4 – 10 ppm or as needed to maintain control. Applying 3 fluid ounces to 1000 gallons of water yields a maximum of 6.2 ppm of total bromine.

SUBSEQUENT DOSES: When microbial control is evident, apply sufficient STABROM PLUS BIOCIDE to achieve a total bromine level of 4 – 10 ppm or as needed to maintain control.

Treatment levels of STABROM PLUS 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 PLUS 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.

Not for use in heat transfer systems in the State of California.

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 PLUS BIOCIDAL to the air washer sump or chill water. The STABROM PLUS BIOCIDAL should be applied to achieve a total bromine level of 4 – 10 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.

Not for use in air washers and industrial scrubbing systems in the State of California.

CONTAINERIZED PONDS AND DECORATIVE FOUNTAINS

STABROM PLUS BIOCIDAL 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 PLUS BIOCIDAL should be fed to maintain a total bromine level of 4 – 10 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 PLUS BIOCIDAL effectively controls bacteria, fungi, algae and slime in once-through and closed-cycle fresh and sea water cooling systems. Apply STABROM PLUS BIOCIDAL to the system inlet water or before any other contaminated area in the system.

Not for use in industrial one-through cooling water systems in the State of California.

PULP AND PAPER MILLS

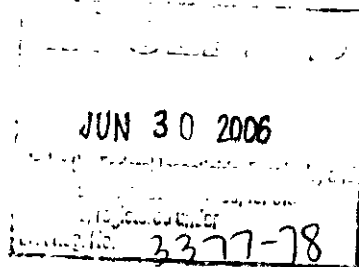
When used as directed, STABROM PLUS BIOCIDAL effectively controls algal, bacterial, and fungal slime in pulp and paper mill fresh and sea water influent water systems, cooling water systems, wastewater treatment systems, nonpotable water systems, whitewater systems and other process water. The product may be applied to the system either continuously or intermittently (slug dose) or as needed to obtain the recommended total bromine level.

Advisory Statement: This product cannot be used in paper mills and pulp manufacturing sites where food packaging materials are produced.

DOSAGE RATES: Add sufficient STABROM PLUS BIOCIDAL to achieve a residual bromine level of 4 – 10 ppm or as needed to maintain control of the system.

Feed STABROM PLUS BIOCIDAL directly into the water to be treated. Be sure rapid mixing of the treated water, and STABROM PLUS BIOCIDAL is achieved. Pump manufacturers can recommend the appropriate materials of construction and capacity for a pump to feed STABROM PLUS BIOCIDAL.

Not for use in pulp and paper mills in the State of California.



5/5

WASTEWATER SYSTEMS

When used as directed, STABROM PLUS BIOCIDAL controls microorganisms in wastewater systems. The quantity of STABROM PLUS BIOCIDAL required varies with the degree of fouling. Add sufficient STABROM PLUS BIOCIDAL to achieve residual bromine levels of 3 – 10 ppm, or as needed to maintain control, when measured approximately 5 minutes after treatment. Applying 3 fluid ounces to 1000 gallons of water yields a maximum of 6.2 ppm of total bromine. Higher dosages may be necessary depending upon the system. The product may be applied to the system either continuously or intermittently (slug dose) or as needed to obtain the recommended total bromine level.

Depending on the construction of the wastewater system, STABROM PLUS BIOCIDAL may be effectively added to one or more different locations in the system. Frequently the compound is added to wastewater receiving secondary treatment at a contact tank preceding the effluent discharge or at the influent of the final clarifier.

Not for use in wastewater in the State of California.

STORAGE AND DISPOSAL

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

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 – 55 gallon plastic] Triple rinse (or equivalent). Then offer for recycling or reconditioning, 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.

[Totes] Verify that the tote is empty. Do not rinse or clean. Seal tote and contact appropriate vendor for tote pickup.

[Railcars and trailers] Do not rinse or clean the railcar or trailer after unloading the contents. Release the trailer or railcar for return to Albemarle Corporation.

