

3377-18

4/16/2002

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U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Antimicrobials Division (7510C)
401 "M" St., S.W.
Washington, D.C. 20460

EPA Reg. Number:
3377-78

Date of Issuance:
April 16, 2002

NOTICE OF PESTICIDE:

- Registration
- Reregistration

(under FIFRA, as amended)

Term of Issuance: Conditional

Name of Pesticide Product:
Stabrom 909.2 Biocide

Name and Address of Registrant (include ZIP Code):

Albemarle Corporation
451 Florida Street
Baton Rouge, LA. 70801

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Antimicrobials Division prior to the use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act. Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided you:

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data.
2. Revise the EPA File symbol 3377-TI to EPA Registration Number 3377-78. Add your Establishment Number.
3. Submit two copies of the revised final printed label for our records.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e).

Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

Signature of Approving Official:

Robert S. Brennis
Product Manager 32

Date:

APR 16 2002

STABROM® 909.2 BIOCIDES

FOR USE AS A DISINFECTANT, FUNGICIDE, ALGICIDE AND/OR SLIMICIDE FOR WASTEWATER, COMMERCIAL AND INDUSTRIAL RECIRCULATING COOLING WATER SYSTEMS, NON-FOOD PROCESS WATER SYSTEMS, INDUSTRIAL ONCE-THROUGH COOLING WATER SYSTEMS, AND PULP AND PAPER MILLS. CONTROLS BIOFILM DEPOSITS FROM PUMPS, PIPEWORK, HEAT EXCHANGERS, AND FILTERS ASSOCIATED WITH INDUSTRIAL WATER TREATMENT SYSTEMS. CONTROLS BACTERIAL, FUNGAL AND ALGAL SLIME IN DECORATIVE FOUNTAINS, AIR WASHERS AND FOOD, BEVERAGE, AND INDUSTRIAL PROCESS PASTEURIZERS

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.

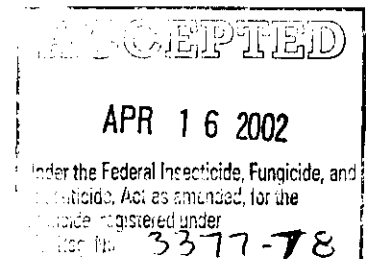
NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage. See side panel for additional precautionary statements



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

EPA Reg. No. 3377-
EPA Est. _____

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 909.2 BIOCIDE is not flammable. Avoid contact with strong oxidizers, acids, alkaloidal and heavy metal salts.

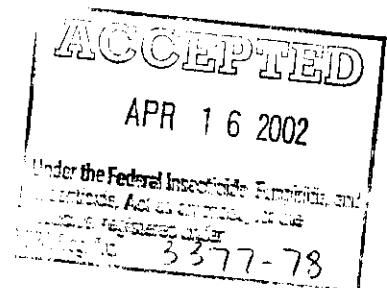
STORAGE AND DISPOSAL

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.



DIRECTIONS FOR USE

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

For use as a disinfectant, algicide, fungicide, and/or slimeicide for wastewater, commercial and industrial recirculating cooling water systems, industrial once-through cooling water systems, and non-food contact recirculating industrial process water ..

STABROM 909.2 BIOCIDE may be added at system inlet water or other locations in the system.

WASTE WATER

When used as directed, STABROM 909.2 BIOCIDE disinfects wastewater effluent. The quantity of STABROM 909.2 BIOCIDE required varies with the degree of fouling. Add sufficient STABROM 909.2 BIOCIDE to achieve residual bromine levels of 3 ppm to 10 ppm 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.

Depending on the construction of the wastewater system, STABROM 909.2 BIOCIDE 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.

The disinfection of sewage effluent must be evaluated by determining that the total number of coliform bacteria and/or fecal coliform bacteria, as determined by the MPN Procedure, of the disinfected effluent has been reduced to or below the maximum permitted by the controlling regulatory jurisdiction.

RECIRCULATING COOLING WATER AND NON-FOOD PROCESS WATER SYSTEMS

When used as directed, STABROM 909.2 BIOCIDE effectively controls bacteria, fungi, algae and slimes in commercial and industrial cooling towers; heat exchange water towers, industrial water scrubbing systems, industrial non-food process water, and influent systems such as flow through filters, lagoons, etc.

INDUSTRIAL ONCE-THROUGH COOLING WATER SYSTEMS

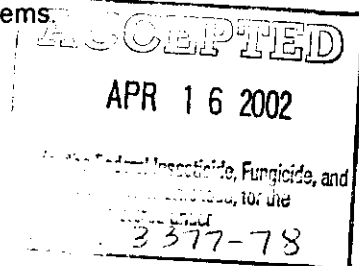
When used as directed, STABROM 909.2 BIOCIDE effectively controls bacteria, fungi, algae and slimes in once-through and closed-cycle fresh and sea water cooling systems. Apply STABROM 909.2 BIOCIDE to the system inlet water or before any other contaminated area in the system.

DOSAGE RATES:

INITIAL DOSES: When the system is noticeably fouled, apply sufficient STABROM 909.2 BIOCIDE to achieve a residual 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 909.2 BIOCIDE to achieve a residual bromine level of 4-10 ppm or as needed to maintain control. The product may be added to the system either continuously or intermittently or as needed to obtain the above residual. The frequency of feeding and dosage rate will depend upon the severity of the problem.

STABROM 909.2 BIOCIDE can also be used to control biofilm deposits from pumps, pipework, heat exchangers, and filters associated with industrial water treatment systems.



PULP AND PAPER MILLS

When used as directed, STABROM 909.2 BIOCIDE 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 and nonpotable water systems.

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 909.2 BIOCIDE to achieve a residual bromine level of 4-10 ppm or as needed to maintain control of the system.

Feed STABROM 909.2 BIOCIDE directly into the water to be treated. Be sure rapid mixing of the treated water, and STABROM 909.2 BIOCIDE is achieved. Pump manufacturers can recommend the appropriate materials of construction and capacity for a pump to feed STABROM 909.2 BIOCIDE.

COOLING PONDS AND DECORATIVE FOUNTAINS

STABROM 909.2 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 909.2 BIOCIDE should be fed to maintain a total bromine level of 4 – 10 ppm in all parts of the pond (3 fluid ounces per 1000 gallons of water yields a maximum of 6.2 ppm total bromine).

INDUSTRIAL PASTEURIZERS

(Such as food, beverage, and industrial process pasteurizers)

For control of bacteria and fungi in recirculating cooling water and heat transfer systems such as industrial pasteurizers add 2.0 – 4.0 ounces of STABROM 909.2 BIOCIDE per 1000 gallons of system water to achieve control. To maintain control, add sufficient STABROM 909.2 BIOCIDE to maintain 4 – 10 ppm total bromine throughout the system. (3 fluid ounces per 1000 gallons of water yields a maximum of 6.2 ppm total bromine.)

AIR WASHERS

(This product may be used only in industrial air washers and air washer systems which have mist-eliminating components.) For control of microorganisms in industrial air washer systems add sufficient STABROM 909.2 BIOCIDE to the air washer sump or chill water to provide a total bromine level of 4 – 10 ppm. Badly fouled systems must be cleaned before treatment is begun. STABROM 909.2 BIOCIDE at a dosage of 3 fluid ounces per 1000 gallon of water yields a maximum of 6.2 ppm total bromine, but several times that dosage may be required to provide a total bromine level of 4 – 10 ppm throughout the system. The total bromine level should be checked with a test kit and additional product applied until a reading of 4 – 10 ppm is obtained at the bleed-off point. Some systems may be maintained in satisfactory biological condition by applying this dosage once per day while others will respond better to dosages less than once per day.

Treatment levels of STABROM 909.2 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.

1. When a bromine test kit is used, results can be read directly as ppm bromine.
2. 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.

