

# UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICE OF PREVENTION, PESTICIDES AND TOXIC SUBSTANCES

FEB - 1 2001

Anne Oxford Albermarle Corporation 451 Florida Street Baton Rouge, LA. 70801

SUBJECT: October 27, 2000 letter

Stabrom 1021 Biocide EPA Registration 3377-62

Dear Ms Oxford:

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is conditionally acceptable pending the comments below. The biofilm control claims must be removed. Efficacy data is required before these claims can be added. Currently, there is not an acceptable protocol for these data. A stamped accepted with comments label is enclosed for your records.

If you have any questions regarding this letter, please contact Tom Luminello of my staff at (703) 308-8075.

Sincerely yours,

Robert S. Brennis

Product Manager (32)

Regulatory Management Branch II Antimicrobial Division (7510-C)

Enclosure

# STABROM<sup>™</sup> 1021 **BIOCIDE**

A Fungicide, Algicide, Slimicide, and Microbiocide for Wastewater, Commercial and Industrial Recirculating Cooling Water Systems, Industrial Once-Through Cooling Water Systems, Brewery Pasteurizers, Pulo and Paper Mill Systems. Air Washer Systems, Air and Gas Scrubber Systems, and Decorative Fountains. Cantrols Biofilm Reposits Fountains, Pipework, Heat Exchanges and fillets Associated with Industrial Water Treatment Systems.

Active Ingredient	
1,3-dibromo-5,5-dimethylhydantoin	99.49
Other Ingredients	0.69
TOTAL	100.09

# KEEP OUT OF REACH OF CHILDREN **DANGER**

# FIRST AID

If swallowed: Call a poison control center or doctor immediately for treatment advice. Have person sip a class 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 inhaled: Move person to fresh air. If person is not breathing,

call 911 or an ambulance, then give artificial respiration. preferably mouth-to-mouth if possible. Call a poison control center or doctor for further 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.

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

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

EPA Reg. No. 3377-62 EPA Est	ACCEPTED with COMMENTS in EPA Letter Dated:  FEB - 1 2001
Albemarle Corporation 451 Florida Street Baton Rouge, LA 70801	Under the Federal Insecticide, Functicide, and Rodenticide Act as

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# 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 chemical goggles and face shield, protective clothing and rubber gloves. May be fatal if swallowed. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco. Harmful if absorbed through skin. Harmful if inhaled. Avoid breathing dust. 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 takes, 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.

### PHYSICAL AND CHEMICAL HAZARDS

Strong Oxidizing Agent. Mix only with water. Use clean dry utensils. Do not add this product to any dispensing device containing remnants of any other product. Such use may cause a violent reaction leading to fire or explosion. Contamination with moisture, organic matter, or other chemicals may start a chemical reaction with generation of heat, liberation of hazardous gases and possible generation of fire and explosion. In case of contamination or decomposition, do not reseal container. If possible, isolate container in open air or well ventilated area. Flood with large volumes of water, if necessary.

# **DIRECTIONS FOR USE**

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

# FOR INDUSTRIAL USE ONLY

FOR USE AS A Fungicide, Algicide, Slimicide, and Microbiocide for Wastewater, Commercial and Industrial Recirculating Cooling Water Systems, Industrial Once-Through Cooling Water Systems, Brewery Pasteurizers, Pulp and Paper Mill Systems, Air Washer Systems, Air and Gas Scrubber Systems, and Decorative Fountains

# RECIRCULATING COOLING WATER SYSTEMS

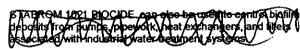
When used as directed STABROM 1021 BIOCIDE effectively controls bacteria, fungi and algae and slimes in commercial and industrial recirculating cooling water systems servicing heat exchangers, evaporators, condensers, dairy sweetwater systems, hydrostatic sterilizers and retorts, cooling canals, tunnel coolers and warmers, closed and once through cooling systems and other equipment requiring cooling. It is also effective in controlling various microbiological growth formation in influent systems such as lagoons or flow-through filter systems, industrial wat scrubber systems and brewery pasteurizers. Not for use on any food contact surface. This product may be added to the systems either continuously or intermittently or as needed. The frequency of feeding and

tion of the treatment will depend upon the severity of

Badly fouled systems must be cleaned before treatment is begun.

# INDUSTRIAL ONCE-THROUGH COOLING WATER **SYSTEMS**

When used as directed STABROM 1021 BIOCIDE effectively controls bacteria, fungi, algae and slimes in once-through and closed-cycle fresh and sea water cooling systems. Apoly STABROM 1021 BIOCIDE to the system inlet water or before any other contaminated area in the system. The frequency of feeding and duration of the treatment will depend upon the severity of the problem.



# **AIR WASHER SYSTEMS**

To control bacteria funci and algae in industrial air washer systems, add to the air washer sump or chill water or coil spray water to insure uniform mixing.

# AIR AND GAS SCRUBBER SYSTEMS

To control bacteria, fungi and algae in these water systems, STABROM 1021 BIOCIDE should be added to the system at a convenient point of mixing.

# **DOSAGE RATES:**

INITIAL DOSE: When the system is noticeably fouled add sufficient STABROM 1021 BIOCIDE to achieve a residual bromine level of 0.5 - 5 ppm or as needed to maintain control. Applying ½ ounce to 1,000 gallons of water yields a theoretical average 4 ppm of total bromine. Repeat until control is achieved.

SUBSEQUENT DOSE: When microbial control is evident apply sufficient STABROM 1021 BIOCIDE to achieve a residual bromine level of 0.5 - 5 ppm or as needed to maintain control. The product may be added either continuously or intermittently or as needed to obtain the required residual.

### WASTE WATER

When used as directed STABROM 98I BIOCIDE controls bacteria in wastewater effluent. The quantity of STABROM 1021 BIOCIDE required varies with the degree of fouling. Add sufficient STABROM 1021 BIOCIDE to achieve residual bromine levels of 0.5 - 5 ppm. Applying ½ ounce to 1,000 gallons of water yields a theoretical average of 4 ppm of total bromine. Higher dosages may be necessary depending upon

Depending on the construction of the wastewater system STABROM 1021 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 control of bacteria in 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.

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