UNITED STATES	tarnot	U.S. ENVIRCNMENTAL PROTECTION AGENCY Office of Pesticide Programs Antimicrobials Division (7510C) 401 "M" St., S.W. Washington, D.C. 20460		EPA Reg. Number: 3377-62	Date of Issuence: APR - 6 2000
THURAL PROTECT	÷			Term of Íssua	nce:
	NOTICE OF PESTICIDE:			Conditional Name of Pesticide Product:	
		Reregistration			
under FIFRA,	es amende	.±)		Stabrom	1021 Biocide
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		tion furnished by the registrant, the abo i under the Federal Insecticide, Fungicide			reby
n order to p mancel the r- with the repu	<pre>citect hes cistration cifation c</pre>	way to be construed as an endorsement or r with and the environment, the Administrato , of a pesticide in accordance with the Ad of a product under this Act is not to be o me or to its use if it has been covered b	r, on his t. The ac onstrued a	motion, may at cceptance of an	any time suspend or y name in connection
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Page 2 of 2 EPA Reg. No. 3377-62

> d. On page 4 of the label under Pulp and Paper Mills, put the advisory statement in bold typeface.

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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.

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

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Active Ingredient 1,3-dibromo-5,5-dimethylhydantoin		Revise
Other Ingredients TOTAL	. 2.0%	Amour
		Neris

# KEEP OUT OF REACH OF CHILDREN DANGER

#### STATEMENT OF PRACTICAL TREATMENT FIRST AID

**IF IN EYES:** Hold eyelids open and flush with a steady, gentle stream of water for 15 minutes. Get Medical Attention.

IF ON SKIN: Wash with plenty of soap and water. Get Medical Attention.

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IF SWALLOWED: Call a doctor or get medical attention. Do not induce vomiting or give anything by mouth to an unconscious person. Drink promptly a large quantity of milk, egg whites, gelatin solution, or if these are not available, drink large quantities of water. Avoid alcohol.

**IF INHALED:** Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get Medical Attention.

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in EPA Lens: Dated: APR - 6 2000	Net Contents		
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In case of emerger	ncy endangering life or property involvir	ng this product,	، در د در د
	call collect (225) 344-7147		) ) ) ) ) ) ) ( ) ) ) ) ) )

Stabrom 1021 Biocide label

## 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 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.

#### 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.

#### STORAGE AND DISPOSAL

STORAGE: Keep container tightly closed. Store in a dry place. 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, pray 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.

PLASTIC CONTAINERS: 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.

SUPER SACKS and FIBER DRUMS WITH LINERS: Completely empty super sack [liner] by shaking and tapping sides and bottom to loosen clinging particles. Then dispose of super sack [drum and liner] in a sanitary landfill or incinerate if allowed by state and local authorities. Do not reuse capty super sack [drum or liner].

TOTES: Verify that the tote is empty. Do not rinse or clean. Seal tote and contact appropriate vendor for tote pickup.

ACCEPTED with COMMENTS in EPA Letter Dated:

**APR** - 6 2000

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Stabrom 1021 Biocide label

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#### **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 **Sector Provide**, 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, turnel 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 wet scrubber systems and brewery pasteurizers. This product may be added to the systems either continuously or intermittently or as needed. The frequency of feeding and duration of the treatment will depend upon the severity of the problem. 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. Apply 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 fungi and algae in industrial air washer systems, add to the air washer sump or chill vater or coil spray water to insure uniform mixing.

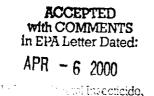
#### AIR AND GAS SCRUBBER SYSTEMS

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 BIOCEDE 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.



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Stabrom 1021 Biocide label

## WASTE WATER

When used as directed STABROM 98I BIOCIDE 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 the system.

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.

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## PULP AND PAPER MILLS

When used as directed STABROM 1021 BIOCIDE effectively controls algal, bacterial and fungal slime in pulp and paper mill fresh and sea water influent water system, cooling water systems, wastewater treatment systems, nonpotable water systems and other process water.

Advisory Statement: This product can not be used in paper mills and pulp manufacturing sites where food packaging materials are produced.) -MAKe  $B_{C}/U$ 

**DOSAGE RATES**: Add sufficient STABROM 1021 BIOCIDE to achieve residual bromine level of 0.5 - 5 ppm or as needed to maintain control of the system.

Feed STABROM 1021 BIOCIDE directly into the water to be treated. Be sure rapid mixing of the treated water and STABROM 1021 BIOCIDE is achieved. Pump and feeder manufacturers can recommend the appropriate materials of construction and capacity for a pump or feeder to feed STABROM 1021 BIOCIDE.

#### **DECORATIVE FOUNTAINS**

To maintain fountain free and clear of algae and the state of the stat

Treatment levels of STABROM 1021 BIOCIDE can best be measured with test kits for either bromine or chlorine. Tests should be conducted immediately after drawing 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 <u>ACCEPTED</u> When a chlorine test kit is used, results can be expressed in terms of biograine by with COMMENTSULTIPLY in EVALuation factor 2.25.

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Stabrom 1021 Biocide label

A Material Safety Data Sheet is available upon request.

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Stabrom 1021 Biocide label

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