

3377-71

11-27-2000

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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-TR  
71

Date of Issuance:  
Nov. 27, 2000

NOTICE OF PESTICIDE:

- Registration
- Reregistration

(under FIFRA, as amended)

Term of Issuance: Conditional  
2 Year Time Limited

Name of Pesticide Product:  
Sanibrom 1021-PEW 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. This registration is being accepted on a 2-year time limited basis. The registration for the use of this product in the manufacture of food contact paper and paperboard expires on November 27, 2002. During this time the Agency will continue its efforts to completing its determination under FIFRA section 2(bb)(2) that this use will not result in unreasonable adverse effects.
2. Revise the EPA File symbol 3377-TR to EPA Registration Number 3377-71.
3. Delete the Advisory Statement under Pulp and Paper Mills.
4. At the end of For Industrial Use Only add "Not for use with any other food contact surfaces." You may precede that statement with: "This product can be used in the manufacture of food and non-food contact paper and paperboard."
5. Revise Ingredient statement on label to match the accepted Confidential Statement of Formula. The percentage of active ingredient on the label should read 96.4% and the percentage of other ingredients must read 3.6%.
6. 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. A copy of our chemistry and toxicology review are enclosed.

Signature of Approving Official:

Robert S. Brennis  
Product Manager 32

Date:

NOV 27 2000

**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 or disposal.  
**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**

**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 empty super sack [drum or liner].

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

5/2/00

**RECORDED  
WITH COMMENTS  
in EPA Letter Dated:**

**NOV 27 2000**

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act as  
amended, for the pesticide,  
registered under EPA Reg. No. 3377-71

**SANIBROM® 1021-PEW  
BIOCIDE**

A Fungicide, Algicide, Slimeicide, 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

|                   |                                   |               |
|-------------------|-----------------------------------|---------------|
| Active Ingredient | 1,3-dibromo-5,5-dimethylhydantoin | 96.4%         |
| Other Ingredients |                                   | 3.6%          |
| <b>TOTAL</b>      |                                   | <b>100.0%</b> |

**KEEP OUT OF REACH OF CHILDREN  
DANGER**

**FIRST AID**

**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.  
**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 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 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.

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

**NOTE TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage.

EPA Registration No. 3377-  
EPA Establishment No. 3377-FR

**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

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

It is a violation of Federal Law to use this product in a manner inconsistent with:

**FOR INDUSTRIAL USE**  
FOR USE AS A Fungicide, Algicide, Slimeicide, and Microbiocide for Wastewater Systems, Industrial Once-Through Cooling Water Systems, Brewery Pasteurizer Gas Scrubber Systems, and Decorative Fountains *NOT FOR USE*

**RECIRCULATING COOLING W.**  
When used as directed SANIBROM 1021-PEW BIOCIDE effectively controls the recirculating cooling water systems servicing heat exchangers, evaporators, condensors, cooling canals, tunnel coolers and warmers, closed and once through cooling systems and brewery pasteurizers. This product may be added to the systems either continuously or intermittently or treatment will depend upon the severity of the problem. Badly fouled systems must be cleaned before treatment is begun.

**INDUSTRIAL ONCE-THROUGH COOL.**  
When used as directed SANIBROM 1021-PEW BIOCIDE effectively controls bacteria fresh and sea water cooling systems. Apply SANIBROM 1021-PEW BIOCIDE to the system. The frequency of feeding and duration of the treatment will depend

**AIR WASHER SYST**  
To control bacteria fungi and algae in industrial air washer systems, add to the uniform mixing.

**AIR AND GAS SCRUBBER**  
To control bacteria, fungi and algae in these water systems, SANIBROM 1021-PEW point of mixing.  
**DOSAGE RATES:**  
**INITIAL DOSE:** When the system is noticeably fouled add sufficient SANIBROM 5 ppm or as needed to maintain control. Applying 1/2 ounce to 1,000 gallons of water. Repeat until control is achieved.  
**SUBSEQUENT DOSE:** When microbial control is evident apply sufficient SANIBROM of 0.5 - 5 ppm or as needed to maintain control. The product may be added either required residual.

**WASTE WATER**  
When used as directed SANIBROM 1021-PEW BIOCIDE effectively treats waste BIOCIDE required varies with the degree of fouling. Add sufficient SANIBROM 1 ppm. Applying 1/2 ounce to 1,000 gallons of water yields a theoretical average of depending upon the system.  
Depending on the construction of the wastewater system SANIBROM 1021-PEW locations in the system. Frequently the compound is added to wastewater receiving effluent discharge or at the influent of the final clarifier.  
The treatment of sewage effluent must be evaluated by determining that the total determined by the MPN Procedure, of the treated effluent has been reduced to jurisdiction.

**PULP AND PAPER M**  
When used as directed SANIBROM 1021-PEW BIOCIDE effectively treats algae sea water influent water system, cooling water systems, wastewater treatment & ~~Advisory Statement: THIS PRODUCT CAN NOT BE USED IN PAPER MILLS AND PULP MILLS~~  
**DOSAGE RATES:** Add sufficient SANIBROM 1021-PEW BIOCIDE to achieve re control of the system.  
Feed SANIBROM 1021-PEW BIOCIDE directly into the water to be treated. Be 1021-PEW BIOCIDE is achieved. Pump and feeder manufacturers can recommend pump or feeder to feed SANIBROM 1021-PEW BIOCIDE.

**DECORATIVE FOUNT**  
To maintain fountain free and clear of algae, add sufficient SANIBROM 1021-PEW to obtain control. Applying 1/2 ounce to 1,000 gallons of water yields a theoretical

Treatment levels of SANIBROM 1021-PEW BIOCIDE can best be measured with conducted immediately after drawing samples from the system. Use test kits as:  
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 ppm 2.25.

A Material Safety Data Sheet is available upon request.