

3377-61

07/10/2000

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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-~~AR~~  
61

Date of Issuance:

July 10, 2000

Term of Issuance: Conditional

Name of Pesticide Product: Clearbrom 1021  
Biocide

NOTICE OF PESTICIDE:

- Registration
- Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Albermarle 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. Agree to submit a product specific hydrolysis study (GDLN 161-1) within 6 months from the date of this registration.
3. Submit one copy of the revised final printed label for the record changing the EPA File symbol 3377-AR to EPA Registration Number 3377-61.
4. List available percentages of bromine and chlorine under the ingredients.
5. Under Physical and Chemical Hazards, change Strong Oxidizing Agent to all capital letters.
6. Correct typo on page 4 by inserting missing word in 3<sup>rd</sup> sentence.

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 Brennis  
Product Manager 32

Date:

7/10/2000

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# CLEARBROM™ 1021 BIOCID

For Use In Disinfection of Pools, Spas and Hot Tubs

### Active Ingredients

1,3-dibromo-5,5-dimethylhydantoin .....	99.4%
Other Ingredients .....	0.6%
<b>TOTAL .....</b>	<b>100.0%</b>

List Available % of Bromine and Chlorine

**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.

**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.

EPA Registration No. 3377-

EPA Establishment No.

Net Contents.....

**ACCEPTED  
with COMMENTS  
in EPA Letter Dated:  
JUL 10 2000**

Under the Federal Insecticide,  
Fungicide and Rodenticide Act as  
amended, the pesticide  
is registered under No. 3377-61

**3377-61**



451 Florida Street  
Baton Rouge, LA 70801

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

ACCEPTED  
with COMMENTS  
in EPA Letter Dated 3/5

JUL 10 2000

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act as  
amended, for the pesticide,  
registered under EPA Reg. No.  
3377-61

**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 or safety glasses, 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.

MAKE  
ALL  
CAPS

**PHYSICAL AND CHEMICAL HAZARDS**

**Strong Oxidizing Agent.** Do not mix with other chemicals. Mix only with water. Never add water to product, always add product to large quantities of 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 this product dry in original tightly closed container when not in use. Store in a cool, dry, well ventilated area away from heat or open flame. Do not contaminate water, food, or feed by storage or disposal.

**PESTICIDE DISPOSAL:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, or if decomposition occurs, isolate container and flood area with large amounts of water to dissolve all material before discarding this container.

**CONTAINER DISPOSAL**

(small plastic jugs or pails) Do not reuse container, place in trash collection. Rinse thoroughly before discarding in trash.

(tear open pouches) Do not reuse bag. Discard bag in trash.

(plastic pails [50 lb and larger] and drums) 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.

Note: Buyer assumes all responsibility for safety and use not in accord with directions.

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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. Read entire label and use strictly in accord with precautionary statements and Directions for Use.

#### DISINFECTING SPAS AND HOT TUBS

When used as directed, CLEARBROM 1021 BIOCIDE is an effective disinfectant for your spa or hot tub water, keeping it clean, clear and free of odor. CLEARBROM 1021 BIOCIDE gives the effectiveness of chlorine without the chlorine odor.

To start up a new spa or one recently drained, clean all surfaces, back flush or clean the filter, chemical balance the calcium hardness and total alkalinity, treat for iron, copper and manganese, if present. Adjust the pH to 7.2 - 7.6, prior to initiating treatment with CLEARBROM 1021 BIOCIDE.

Place CLEARBROM 1021 BIOCIDE in suitable feeder. Adjust the feeder according to the manufacturers directions to maintain an active bromine level between 2 - 4 ppm in residential spas and 3 - 6 ppm in commercial spas. Check your feeder regularly and add additional product as needed. Maintenance of residual is dependent on water temperature, light intensity and bather load, and requires frequent checks with a test kit. Use a reliable test kit for the bromine measurements. The pump and filter should be operated at least three hours every day regardless of use. Outdoor hot tubs and spas may require more frequent cleaning and treatment with CLEARBROM 1021 BIOCIDE.

To maintain clear, clean water and insure performance of your spa or hot tub chemicals, water should be drained and spa or hot tub refilled with fresh water every 60 days.

#### DISINFECTION OF SWIMMING POOLS

##### Initial Application

Ensure all equipment is working properly. Backwash the filter system following the manufacturer's directions. Chemically balance the calcium hardness to 200 mg/L and total alkalinity to 125 - 150 mg/L. Adjust the pH to 7.2 - 7.6. Fill suitable feeder with CLEARBROM 1021. Adjust the flow of water into the feeder according to the manufacturer's directions to maintain an active bromine residual between 1 - 4 ppm as Br<sub>2</sub> in the pool (approximate use rate of 0.5 ounces per 1000 gallons of water). Maintenance of residual is dependent on ambient temperature, light intensity and bather load, and requires frequent checks with a test kit. Use a reliable test kit to measure bromine residual. The pump and filter should be operated at least three hours every day regardless of use. Outdoor pools may require longer filtering and consume higher amounts of CLEARBROM 1021.

**ACCEPTED**  
with COMMENTS  
in EPA Letter Dated:  
JUL 10 2000

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act as  
amended for the Pesticide  
Control Act of 1972, EPA Reg. No.

3377-61

Continued Application

Check the feeder weekly and refill with additional product. Adjust the flow of water into the feeder according to the manufacturer's directions to maintain an active bromine level between 1 - 4 ppm as Br<sub>2</sub> in the pool. Use a reliable test kit to for the bromine measurement. The pump and filter should be operated at least three hours every day regardless of use. Outdoor pools may require longer filtering and consume higher amounts of CLEARBROM 1021.

Superoxidation: Water soluble, non-filterable wastes can accumulate in spa, hot tub and pool water causing dull or cloudy water and stimulating algae growth. Superoxidation or superchlorination with a suitable oxidizing shock treatment should be done on a regular basis to remove these wastes and maintain clear sparkling water. Suitable oxidizing agents are those based on calcium hypochlorite, lithium hypochlorite, sodium dichloroisocyanurate, sodium hypochlorite or potassium peroxymonopersulfate.

When using other products as outlined in directions for this product, always follow directions on those products.

Do not directly mix this product in concentrated form with any other chemicals. Do not add other chemicals in the feeder when using this product. A violent reaction leading to fire and/or explosion could result.

Treatment levels of CLEARBROM 1021 can best be measured with test kits for either bromine or chlorine. Tests should be conducted immediately after drawing samples from the pool. Use test kits according to directions.

1. When a bromine test kit is used, results can be read directly as mg/L 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.

After application, ensure that the bromine level is below 7.5 ppm before reentering the spa, hot tub or pool.

To determine pool capacity: Rectangular Pools - Length times width times average depth (in feet) times 7.5 equals gallons. Round and Oval Pools - long diameter times short diameter times average depth (in feet) times 5.9 equals gallons.

ACCEPTED  
with COMMENTS  
In the State of North Carolina  
JUL 10 2000

Insecticide  
Fungicide  
Herbicide  
Reg. No.

3377-61