Date of Issuance



U.S. ENVIRONMENT Office of Pesticide Programs Antimicrobials Division (7510C) 401 TM: St., S.W. Washington, D.C. 20460

3377-72

EPA Reg. Number.

Oct. 16, 2000

Term of Issuance:

Conditional and Time Limited Expires October 16, 2001

Name of Pesticide Product:

Albrom 100 Disinfectant

NOTICE OF PESTICIDE:

x Registration

Reregistration

(under FIFRA, as amended)

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

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that 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-TE to EPA Registration Number 3377-72.
- 3. Submit a product specific hydrolysis study GDLN (161-1) within 4 months of the date of this letter.
- 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. A revised Confidential Statement of Formula must be submitted that agrees with label claim and the label must be revised accordingly: the percentage of Active is 96.4% and the percentage of Other is 3.6 %.
- 7. Correct the pagination on the label.

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Signature of Approving Official

Date

OCT 16 2000

Robert S. Brennis Product Manager 32

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This registration automatically expires on October 16, 2001. In order for the registration of this product to continue, data as described in item 3 must be submitted, reviewed, and found acceptable. The Agency will then reissue the registration.

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. You must provide 3 copies of your revised label for our files.

PM-32 Initials

OCT 16 2000

ALBROM 100 DISINFECTANT

For Use In	AVAIJABLE CHORINE	Hot Tubs	96.4 %
Active Ingredients			'
1,3-dibromo-5,5-dimethy	ylhydantoin	2	£196 1
Other Ingredients			4.99 3,6
TOTAL	Available Chlorine of POUT OF REACH OF CHILL	10 To AUAIIABIR	0.0% bhmin
N.E.C.		REN	
	DANGER		
lenses, if present, after the first 5 mi treatment advice. IF ON SKIN OR CLOTHING: To water for 15-20 minutes. Call a pois IF SWALLOWED: Call a poison a glass of water if able to swallow. I doctor. Do not give anything by mo IF INHALED: Move person to fres artificial respiration, preferably mou treatment advice. Have the product container or labely treatment.	nse slowly and gently with water for 15 inutes, then continue rinsing eye. Call a lake off contaminated clothing. Rinse sloon control center or doctor for treatment control center or doctor immediately for Do not induce vomiting unless told to douth to an unconscious person. Sh air. If person is not breathing, call 9 of the to-mouth if possible. Call a poison of with you when calling a poison control ucosal damage may contraindicate the ucosal damage may contraindicate the uncosal da	in poison control center cin immediately with p t advice. It treatment advice. Have so by a poison control of the control center or doctor center or doctor, or going.	lenty of ve person sip l center or en give for further
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	CORPORATION		••••
- And -)	451 Florida Street	••••	•
3377- 1 72	Baton Rouge, LA 70801	• • •	•••••
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τ		• • • •	· • • • • • • • • • • • • • • • • • • •
In case of emergence	cy endangering life or property inv	olving this product	, , , , ,
	call collect (225) 344-7147		•••••

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.

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 or drums 50 lb and larger) 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.

(fiber lined drums 300 lb and larger) Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment. Then dispose of liner in a sanitary landfill or by incineration if allowed by state and local authorities. If drum is contaminated and cannot be reused, dispose of in same manner.

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

with COMMENTS in EPA Letter Dated

OCT 1'6' 2000 Under the Federal Insecticide,

Albrom 100 disinfectant label Act as

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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, ALBROM 100 DISINFECTANT is an effective disinfectant for your spa or hot tub water, keeping it clean, clear, fresh and free of odor. ALBROM 100 DISINFECTANT gives the effectiveness of chlorine without the chlorine odor.

To start up a new spa or one recently drained, clean all surfaces, or clean the filter media. Balance the calcium hardness and total alkalinity, treat for iron, copper and manganese, if necessary. Adjust the pH to 7.2 - 7.6, prior to initiating treatment with ALBROM 100 DISINFECTANT.

Place ALBROM 100 DISINFECTANT in suitable feeder. Adjust the feeder according to the manufacturers directions to maintain a 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 or daily as per manufacturer's instructions. Outdoor hot tubs and spas may require more frequent cleaning and treatment with ALBROM 100 DISINFECTANT.

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 or as per spa manufacturer's instructions

DISINFECTION OF SWIMMING POOLS

Initial Application

Ensure all equipment is working properly. Backwash or clean the filter following the manufacturer's directions. If necessary, chemically balance the calcium harness to 200 ppm and total alkalinity to 125 - 150 ppm. Adjust the pH to 7.2 - 7.6. Fill suitable feeder with ALBROM 100 DISINFECTANT. Adjust the feeder flow of water according to the manufacturer's directions to maintain a bromine residual between 1 - 4 ppm 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 eight hours every day regardless of use. Outdoor pools may require longer filtering and consume higher amounts of ALBROM 100 DISINFECTANT.

with COMMENTS in EFA Letter Dated:

OCT 16 2000

Under the Federal Insections,
Fungicide, and Rodentonic Act as emended, for the pestions, registered under EPI to 1 No.

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Continued Application

Check the feeder periodically and refill with additional product. Adjust the feeder flow of water according to the manufacturer's directions to maintain a bromine level between 1 - 4 ppm in the pool. Use a reliable test kit for the bromine measurement. The pump and filter should be operated at least eight hours every day regardless of use. Outdoor pools may require longer filtering and consume higher amounts of ALBROM 100 DISINFECTANT.

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 with a suitable oxidizing shock treatment should be done on a regular basis to remove these wastes and maintain clear sparkling water. A suitable oxidizing agent is: [ONE OR MORE OF THE FOLLOWING WILL APPEAR ON THE LABEL.]

- Calcium hypochlorite [alternatively the phrase "such as (trade name)" may be included.]
- Lithium hypochlorite [alternatively the phrase "such as (trade name)" may be included.]
- Sodium dichloroisocyanurate [alternatively the phrase "such as (trade name)" may be included.]
- Sodium hypochlorite falternatively the phrase "such as (trade name)" may be included.]
- Potassium peroxymonopersulfate [alternatively the phrase "such as (trade name)" may be included.]

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 ALBROM 100 DISINFECTANT can best be measured with a test kit for bromine. Tests should be conducted immediately after drawing samples from the pool. Use a bromine test kit according to directions.

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 EPA Letter Dated:
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Albrom 100 disinfectant label