

3377-72

11/06/2008

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

NOV - 6 2008

OFFICE OF  
PREVENTION, PESTICIDES  
AND TOXIC SUBSTANCES

Anne M. Oxford  
Albemarle Corporation  
451 Florida Street  
Baton Rouge, LA. 70801-1765

Subject: Application for Amendment dated: July 25, 2008  
Albrom 100T Disinfectant  
EPA Registration 3377-72

Dear Ann:

The Agency has reviewed your submission in accordance with continuing registration under the Federal Insecticide Fungicide and Rodenticide Act (FIFRA), as amended, and determined the action to be acceptable. In summary, the following changes have been approved as amendments to your label:

- primary brand name changed to Albrom 100T Disinfectant;
- the storage and disposal statements have been updated;
- added alternate statement to Environmental Hazards section;
- updated the PPE and the physical and chemical hazards section; and,
- added optional marketing statements and a responsible care symbol.

A copy of your stamped label is enclosed. If you have any questions concerning this letter, please contact Tom Luminello by telephone, (703) 308-8075, or by e-mail at [luminello.tom@epa.gov](mailto:luminello.tom@epa.gov).

Sincerely,

A handwritten signature in cursive script that reads "Emily H. Mitchell".

Emily H. Mitchell, Product Manager 32  
Regulatory Management Branch II  
Antimicrobials Division (7510-P)

# ALBROM 100T DISINFECTANT

For Use In Disinfection of Pools, Spas and Hot Tubs and to Control Microbial Growth in Decorative Waters

Active Ingredient	
1,3-dibromo-5,5-dimethylhydantoin .....	96.4%
Other Ingredients .....	3.6%
TOTAL.....	100.0%

Available bromine: 108%

## 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.

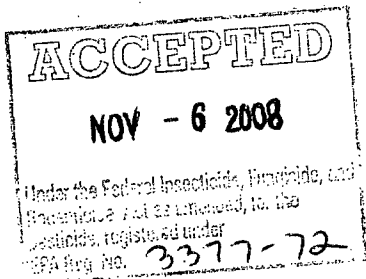
EPA Reg. No. 3377-72  
EPA Est. \_\_\_\_\_

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

*[Alternate statement: In case of medical emergency involving this product, call 800-xxx-xxxx]*

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



**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 resistant to chemical permeation. 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 separately before reuse.

**ENVIRONMENTAL HAZARDS** *[for 50 pound packages and larger. Certain packages less than 50 pounds may use the first sentence of the paragraph.]*

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 and brominating agent. Avoid contact with reducing agents, acids, ammonia-containing products, organic materials (such as aldehydes and alcohols) and other oxidizing agents (such as calcium hypochlorite). Do not mix with other chemicals. Mix only with water. Never add water to product; always add product to large quantities of water. 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 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. Read entire label and use strictly in accord with precautionary statements and Directions for Use.

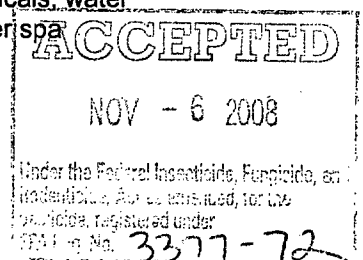
**DISINFECTING SPAS AND HOT TUBS**

When used as directed, this product *[or use brand name]* is an effective disinfectant for your spa or hot tub water, keeping it clean, clear, fresh and free of odor. this product 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 - 7.8, prior to initiating treatment with this product.

Place this product in suitable feeder. Adjust the feeder according to the manufacturer's 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 this product.

To maintain clear, clean water and ensure 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 manufacturer's instructions.



## DISINFECTION OF SWIMMING POOLS

### Initial Application

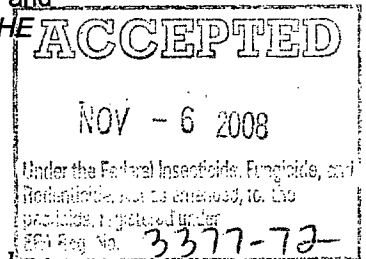
Ensure all equipment is working properly. Backwash or clean the filter following the manufacturer's directions. If necessary, chemically balance the calcium hardness to 200 ppm and total alkalinity to 100 - 150 ppm. Adjust the pH to 7.2 - 7.8. Fill suitable feeder with this product [or use brand name]. 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 this product.

### 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 this product.

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 a trade name may be substituted.]
- ◆ Lithium hypochlorite [alternatively a trade name may be substituted.]
- ◆ Sodium dichloroisocyanurate [alternatively a trade name may be substituted.]
- ◆ Sodium hypochlorite [alternatively a trade name may be substituted.]
- ◆ Potassium peroxymonopersulfate [alternatively a trade name may be substituted.]



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 this product 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.

## DECORATIVE WATERS

When used as directed, this product effectively controls algal, bacterial, and fungal slime in lakes, ponds, ornamental ponds and fountains that do not contain fish or other aquatic fauna. To control

microbial growth add a sufficient amount of this product to achieve and maintain a bromine residual 0.5 - 5 ppm or as needed to obtain control of the system. If using a dispensing device, adjust the device feed rate to assure a constant treatment level between 0.5 and 5 ppm residual bromine. Regular use of a test kit is necessary to maintain an appropriate bromine residual in the system.

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

**STORAGE AND DISPOSAL**

Do not contaminate water, food, or feed by storage or disposal.

STORAGE: Keep this product dry in original tightly closed container when not in use. Store in a cool (<120°F), dry, well-ventilated area away from heat or open flame.

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 [commercial]**

[bag or super sack] Offer for recycling, if available. Completely empty bag/super sack. If possible, shake bag/super sack to remove as much residue as possible. Dispose of empty bag/super sack in a sanitary landfill or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

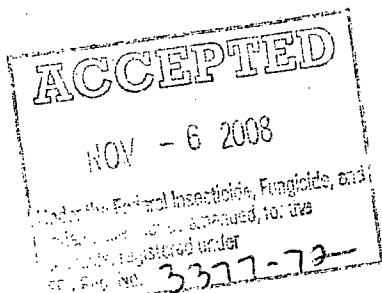
[45 pound pail] Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Offer for recycling, if available. Triple rinse as follows: Empty remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into pool or spa. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

Batch Number: \_\_\_\_\_

**CONTAINER DISPOSAL [residential/household]**

[tear open 1 - 2 pound pouches] Do not reuse bag. Discard in trash.

[small plastic jugs, plastic pails 45 lb and less] Nonrefillable container. Do not reuse or refill this container. Rinse empty container thoroughly with water to dissolve all material prior to disposal. Offer for recycling, if available.



### ALBROM 100T DISINFECTANT

EPA Reg. No., 3377-72

#### Optional marketing statements

The following statements may or may not appear on the label, or may appear in combination

For Use with Vinyl Lined Pools  
 For Use in All Pools  
 For above-ground and in-ground pools  
 Ideal for all pool surfaces  
 Ideal for all pool and spa surfaces  
 Ideal for all pool, spa and hot tub surfaces  
 Ideal for all spa and hot tub surfaces  
 Ideal for above-ground pools  
 Ideal for vinyl pool surfaces  
 Safe for all pool surfaces  
 Safe for all spa surfaces  
 Safe for all pool and spa surfaces  
 Safe for all pool, spa and hot tub surfaces  
 Safe for all spa and hot tub surfaces  
 For all pool surfaces  
 For Spas & Hot tubs

For use in all pool types (This statement alerts consumer to the fact they may use this product in above ground, in ground, indoor, outdoor, plaster, vinyl, and fiberglass pools)

Easy to use  
 Easy and convenient  
 Convenient to use  
 Easy, single-step bromine disinfectant

Non-foaming  
 Non-staining  
 No heavy metals

Oxidizes and clarifies for beautiful water  
 Oxidizes and clarifies for clean, clear water  
 Clarifies  
 For routine disinfection and clarification  
 Keeps water clear  
 Provides Crystal Clear Water  
 For Clear, Clean Water  
 No more algae stains  
 Sparkling, clear water  
 Restores water sparkle  
 Clear, clean water  
 Disinfects, clarifies, and protects

For application in feeders and floaters

Suitable for use with alternative devices such as ionizers, electrolysis and mineral feeders

Bromine disinfectant  
 Bromine disinfectant and clarifier  
 Disinfectant and Algistat  
 Disinfectant and algaecide

Bromine technology  
 Single step  
 One step disinfecting system

Patented  
 Patents pending

For commercial use

Slow dissolving tablets

100% chlorine-free  
 Chlorine-free  
 Contains no chlorine  
 No chlorine odor  
 No chlorine smell  
 No chloramines

Low odor

Kills E. coli and Enterococcus faecium  
 Kills E. coli  
 Kills Enterococcus faecium  
 Kills bacteria such as E. coli and Enterococcus faecium

With built-in clarifier, filter enhancer

1" tablets [*alternatively the size may be changed to reflect a different size tablet or the word inch may replace the symbol "*]

Step 1: Add [brand name Scale Control]  
 Step 2: Add [brand name Oxidizer]  
 Step 3: Add [brand name Disinfectant/Sanitizer]

Customer Helpline toll-free number  
 Toll Free  
 Call 7 days a week with your questions concerning pool water care. 8:00 am – 10:00 pm Eastern Time  
 Call 7 days a week with your questions concerning spa/hot tub water care. 8:00 am – 10:00 pm Eastern Time

