



6836-116

6/27/2008

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

JUN 27 2008

OFFICE OF  
PREVENTION, PESTICIDES  
AND TOXIC SUBSTANCES

**Georgia Anastasiou, Agent for Lonza, Inc.**  
**c/o Lewis and Harrison**  
**122 C Street N.W. Suite 740**  
**Washington, D.C. 20001**

**Subject: Product Name: Dantobrom S**  
**EPA File Symbol: 6836-116**  
**Notification Application Date: February 19, 2008**

**Dear Ms. Anastasiou:**

**The Agency has reviewed your notification submitted in accordance with continuing registration under the Federal Insecticide Fungicide and Rodenticide Act (FIFRA), as amended, and determined the action acceptable.**

**In summary, you have submitted an E-label adding a "Do Not Mix" graphic and updated the container disposal instructions per Pesticide Registration Notice 2007-4.**

**If you have questions concerning this letter, please contact Tom Luminello by telephone at 703-308-8075 or by e-mail at [luminello.tom@epa.gov](mailto:luminello.tom@epa.gov).**

**Sincerely,**

*for* Handwritten signature of Emily H. Mitchell in black ink.

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

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**EPA**

United States  
**Environmental Protection Agency**  
 Washington, DC 20460

- Registration  
 Amendment:  
 Other

OPP Identifier Number

**Application for Pesticide - Section I**

1. Company/Product Number <b>6836-116</b>	2. EPA Product Manager <b>Emily Mitchell</b>	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) <b>Dantobrom S</b>	PM# <b>32</b>	
5. Name and Address of Applicant (Include ZIP Code) <b>Lonza, Inc. 90 Boroline Rd. Allendale, NJ 07401</b> <b><u>PLEASE SEND ALL CORRESPONDENCE TO</u></b> <b><u>"CONTACT POINT" LISTED BELOW</u></b> <input type="checkbox"/> Check if this is a new address	6. <b>Expedited Review.</b> In accordance with FIFRA Section 3(c)(3) (b)(I), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

**Section - II**

Amendment - Explain below.  Final printed labels in response to Agency letter dated \_\_\_\_\_  
 Resubmission in response to Agency letter dated \_\_\_\_\_  "Me Too" Application  
 Notification - Explain below.  Other - Explain below

**Explanation:** Use additional page(s) if necessary. (For Section I and Section II.)

Application for Notification to add a stop sign graphic and revise the storage and disposal section in accordance with PR Notice 2007-4.

Please read cover letter for details

**Section - III**

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes* <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Metal	<input type="checkbox"/> Plastic
* <b>Certification must be submitted</b>		If "Yes" Unit Packaging wgt.	No. per container	If "Yes" Package wgt.	No. per container
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/> On Label <input type="checkbox"/> On labeling accompanying product	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled				<input type="checkbox"/> Other _____	

**Section - IV**

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application)

Name: <b>Georgia Anastasiou, Lewis &amp; Harrison, LLC, 122 C Street NW, Ste. 740, Washington, DC 20001</b>	Title: <b>Agent for Lonza, Inc.</b>	Telephone No. (Include Area Code): <b>202-393-3903 x19</b>
<b>Certification</b> I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received (Stamped)
2. Signature 	3. Title <b>Agent for Lonza, Inc.</b>	
4. Typed Name <b>Georgia Anastasiou</b>	5. Date <b>June 3, 2008</b>	

# LEWIS & HARRISON

122 C Street, N.W., Suite 740  
Washington, D.C. 20001  
telephone 202.393.3903  
fax 202.393.3906

Consultants in Government Affairs  
June 3, 2008

*HAND DELIVERED*

Document Processing Desk [NOTIF]  
Office of Pesticide Programs (7504P)  
U.S. Environmental Protection Agency  
One Potomac Yard, Room S-4900  
2777 S. Crystal Drive  
Arlington, VA 22202

**ATTENTION:**            **Emily Mitchell**  
                                 **Product Manager (32)**

**SUBJECT:**                **Lonza, Inc.**  
                                 **Dantobrom S (EPA Reg. No. 6836-116)**  
                                 **Application for Notification per PR-NOTICE 98-10 and 2007-4**

Dear Ms. Mitchell:

As agent for Lonza, Inc., I am submitting a notification for the product, **Dantobrom S (EPA Reg. No. 6836-116)**. The purpose of this notification is to add a stop sign graphic and revise the storage and disposal section in accordance with PR Notice 2007-4.

Notification of addition of graphic for an Antimicrobial Product in Accordance With PR Notice 98-10 This notification is consistent with the provisions of PR Notice 98-10 EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 95-2 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be the subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

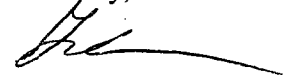
Notification of label change per PR Notice 2007-4. This notification is consistent with the guidance in PR Notice 2007-4 and the requirements of EPA's regulations at 40 CFR §§ 156.10, 156.140, 156.144, 156.146, and 156.156. No other changes have been made to the labeling or the Confidential Statement of Formula for this product. I understand that it is a violation of 18 U.S.C Sec. 1001 to willfully make any false statements to EPA. I further understand that if the amended label is not consistent with the requirements of 40 CFR §§156.10, 156.140, 156.144, 156.146 and 156.156, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 pf FIFRA.

Enclosed please find the following documents in support of this notification:

- a) Application for Pesticide Notification;
- b) One (1) copy of the label with changes highlighted;
- c) Two (2) copies of the revised label; and,
- d) CD which contains a PDF copy of the label.

Thank you for your assistance with this submission. If you have any questions please feel free to contact me at 202-393-3903 ext. 19 or [georgia@lewisharrison.com](mailto:georgia@lewisharrison.com).

Sincerely,

  
Georgia Anastasiou  
Agent for,  
Lonza, Inc.

cc: Robert Sloan (LONZA, Inc.)

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# DANTOBROM® S

## BROMINATING DISINFECTANT FOR SPAS, HOT TUBS AND POOLS

(Step 2 – Maintain)

**Active Ingredients:**

1-bromo-3-chloro-5,5-dimethylhydantoin .....	60.0%
1,3-dichloro-5,5-dimethylhydantoin .....	27.4%
1,3-dichloro-5-ethyl-5-methylhydantoin .....	10.6%
Other Ingredients: .....	2.0%
Total: .....	100.0%

Available bromine .....	39.2%
Available chlorine .....	44.4%

**KEEP OUT OF REACH OF CHILDREN**

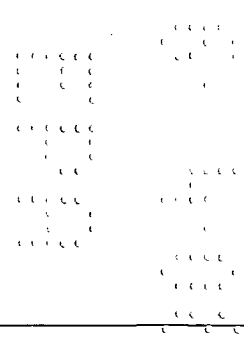
**DANGER**

See side / back / right / left panel for additional Precautionary Statements and First Aid

EPA Reg. No. 6836-116  
 EPA Est. No. 6836-PA-01  
 Net Weight: (as indicated on the container)

Lonza Inc.  
 90 Boroline Road  
 Allendale, NJ 07401

Emergency Contact Number: ( \_\_\_\_\_ )



**PRECAUTIONARY STATEMENTS**  
**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**DANGER: HIGHLY CORROSIVE.** Causes irreversible eye damage and skin burns. May be fatal if swallowed. Do not take internally. Irritating to nose and throat. Avoid breathing dust. Use with adequate ventilation. Do not get into eyes, on skin or on clothing. Wear protective clothing, chemical resistant gloves and protective eyewear (goggles, face shield or safety glasses). Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

**FIRST AID**

Call a poison control center or doctor for treatment advice. Have the product container or label with you when calling a Poison Control Center or doctor or going for treatment.

**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.

**IF ON SKIN OR CLOTHING:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 – 20 minutes.

**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 the 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 by mouth-to-mouth, if possible.

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

**ENVIRONMENTAL HAZARDS**

This pesticide is toxic to fish.

*(Note to reviewer: If container size is 50 lbs. or larger, the following statements will also be used:)*

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other 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 local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

**PHYSICAL AND CHEMICAL HAZARDS**

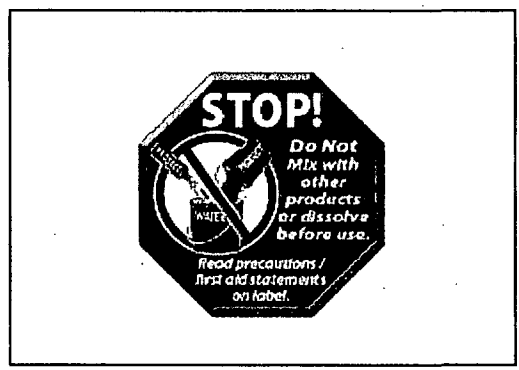
**CHEMICAL HAZARD. STRONG OXIDIZING AGENT.** Mix only with water. Use clean dry utensils. Do not add this product to any dispensing device containing remnants of any other product. Such use may cause a violent reaction leading to fire or explosion. Contamination with moisture, organic matter, or other 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 re-seal container. If possible, isolate container in open air or well-ventilated area. Flood with large volumes of water if necessary.

(Note to reviewer: The following is considered optional marketing language:)

Total available halogen content as bromine ..... 140%

- Tablet shape fits all floaters
- High level of active halogen (bromine)
- Improved bather comfort
- No bleaching of hair or bathing suits
- Doesn't reduce pH or affect hardness
- (Very) low odor
- Low dust tablets
- Ideal for spa / hot tub sanitizing
- Works with inline of floating feeders
- Ideally suited for floater type feeders
- Fits all floaters
- Effective Sanitizer

hth spa product  
 guide  
 Maintain  
 Step 1  
 Step 2  
 Step 3  
 Enhance  
 Prevent



**DANTOBROM S** is a form of brominating hydantoin for spas, hot tubs and pools. It is easily adapted to many erosion feeders used to automatically treat both commercial and residential spas, hot tubs and pools.

When used as directed, **DANTOBROM S** will disinfect spa, hot tub and pool water, keeping it clean, clear and free of odor. **DANTOBROM S** gives the effectiveness of chlorine without the chlorine odor. Proper sanitary practices require changing spa water at a minimum of every 30 days (and properly monitoring pool water conditions.).

## DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

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

### **SPA DIRECTIONS**

**NOTE:** Before using **DANTOBROM S** in your spa or hot tub for the first time, add ½ ounce of sodium bromide per 100 gallons of water to establish a 30 ppm bromide concentration. Also, add sodium bromide at this dosage whenever the spa or hot tub is drained and refilled. The bromide addition ensures immediate establishment of an all-bromide system, eliminates chlorinous odors and maximizes skin and eye comfort.

### **SPA OR HOT TUB START UP:**

To start up a new spa or hot tub, or one recently drained, clean all surfaces, backflush or clean the filter, chemically balance the calcium hardness and total alkalinity, treat for metals if present (iron, copper and manganese), and adjust the pH to 7.2 - 7.8.

Using a suitable feeder adjusted according to the manufacturer's directions, add **DANTOBROM S** to maintain an active bromine concentration of 2 to 4 ppm in residential spas and 3 to 6 ppm in commercial spas. Use a reliable test kit to monitor for bromine regularly.

**DANTOBROM S** usage will typically vary from 0.015 to 0.10 pound for every 300 gallons of spa water to maintain the recommended bromine concentration range.

The presence of organic debris, high bather use and other factors may require a higher dosage.

### **SUPEROXIDATION:**

Water soluble, non-filterable wastes can accumulate in spa or hot tub water and cause dull or cloudy water and can stimulate algal 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 hypochlorite or potassium peroxymonopersulfate.

**POOL DIRECTIONS**

**TO START UP A NEW POOL, OPEN A POOL FOR THE SEASON OR CONVERT FROM A CHLORINE BASED PROGRAM:**

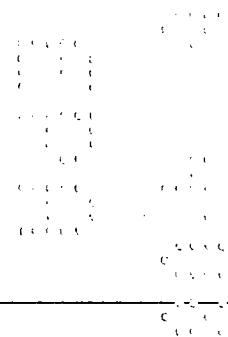
Backflush or clean the filter, chemically balance the calcium hardness and alkalinity and adjust pH to 7.2 to 7.8. Superoxidate to obtain a residual of 10 to 20 ppm available bromine (5 to 10 ppm available chlorine) as determined by a suitable test kit. Swimming may begin when the bromine level drops below 6 ppm.

When the bromine level drops below 1 to 3 ppm, add 0.2 to 2.0 ounces of **DANTOBROM S** per 1000 gallons daily, or as needed. Use a suitable feeder device adjusted according to the manufacturer's instructions so as to maintain 1 to 3 ppm available bromine. Use a reliable test kit to monitor for bromine regularly. Maintain the pool water pH between 7.2 and 7.8.

High temperatures, the presence of organic debris, high bather use and other factors may require more frequent treatments.

**SUPEROXIDATION:**

Water soluble, non-filterable wastes can accumulate in pool water and cause dull or cloudy water and can stimulate algal growth. Superoxidation or superchlorination with a suitable oxidizing shock treatment should be done weekly or bi-weekly, after extremely heavy bather loads or heavy rain storms. Suitable oxidizing agents are those based on calcium hypochlorite, lithium hypochlorite, sodium hypochlorite or potassium peroxymonopersulfate.





## STORAGE AND DISPOSAL

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

### **PESTICIDE STORAGE:**

- Do not store in direct sunlight.
- Do not store at temperatures above 100°F.
- Do not store on side. Avoid creasing or impacting of side walls.
- Keep container tightly closed.
- Store in a cool, dry, well-ventilated place that is inaccessible to children.
- Do not store at elevated temperatures.

### **PESTICIDE 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 the label instructions contact your State pesticide or environmental control agent or the hazardous waste representative at the nearest EPA regional office for guidance.

### **CONTAINER DISPOSAL:**

*(Metal and plastic containers): Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Offer for recycling, if available or puncture and dispose of in a sanitary landfill, or incinerate or burn if allowed by State and local authorities. If burned, stay out of smoke.*

*(Fiber drums and liners): Nonrefillable container. Do not reuse or refill this container. Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Offer for recycling, if available or dispose of liner and drum in a sanitary landfill or incinerate if allowed by State and local authorities.*

