

6836-116

2/27/2012

1/9



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

FEB 27 2012

Joanna Holcombe  
Lonza Inc.  
90 Boroline Road  
Allendale, NJ 07401

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

Subject: Dantobrom™ S  
EPA Registration No.: 6836-116  
Notification Date: 02/13/2012  
EPA Receipt Date: 02/15/2012

Dear Ms. Holcombe,

This letter acknowledges receipt of your notification submitted under the provision of FIFRA section 3(c)9 and PR Notice 98-10.

**Proposed Notification**

- Addition of Storage and Disposal language for refillable drums with liners

**General Comments**

Based on a review of the submitted materials, your notification for additional storage and disposal language is acceptable. It is in compliance with PR notice 91-2 and in agreement with the label.

Should you have any questions or comments concerning this letter, you may contact me by telephone at (703) 308-6416 or by e-mail at [campbell-mcfarlane.jacqueline@epa.gov](mailto:campbell-mcfarlane.jacqueline@epa.gov) or Jaclyn Carl by telephone at (703) 347-0213 or by e-mail at [carl.jaclyn@epa.gov](mailto:carl.jaclyn@epa.gov). When submitting information or data in response to this letter, a copy of this letter should accompany the submission to facilitate processing.

Sincerely,

Jacqueline Campbell-McFarlane  
Product Manager (34)  
Regulatory Management Branch II  
Antimicrobials Division (7510P)

**CONCURRENCES**

SYMBOL							
SURNAME							
DATE							



Via FedEx

Ms. Monisha Harris, PM-32  
Document Processing Desk (NOTIF)  
Office of Pesticide Programs (7504P)  
US Environmental Protection Agency  
Room S-4900, One Potomac Yard  
2227 S. Crystal Drive  
Arlington, VA 22202

Lonza Inc  
Allendale  
90 Boroline Road  
Allendale, NJ 07401, USA

**Joanna Holcombe**  
Lonza Microbial Control  
Commercial Regulatory Services

Tel 201-316-9297  
Fax 201-696-3470  
joanna.holcombe@lonza.com

February 13, 2012

**SUBJECT: Dantobrom S, EPA Reg. No. 6836-116  
Application for Label Notification**

Dear Ms. Harris:

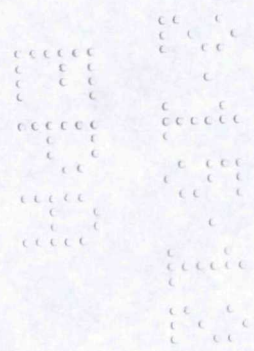
I am submitting an application to add refillable container storage and disposal language appropriate for plastic drums with liners. I have also added a note to reviewer indicating that language in brackets [ ] is optional or interchangeable. Please find the enclosed documents in support of this notification:

- Application for Notification;
- Certification with Respect to Label Integrity;
- CD with label; and
- One copy of the proposed label with changes highlighted.

If you have any questions or need any additional information, please feel free to contact me at 201-316-9297.

Sincerely,  
Lonza Inc.

Joanna Holcombe  
Sr. Commercial Regulatory Services Associate



4/9

# DANTOBROM™ S

## BROMINATING DISINFECTANT FOR SPAS, HOT TUBS AND POOLS

[Step 2 – Maintain]

### Active Ingredients:

1-bromo-3-chloro-5,5-dimethylhydantoin.....	54.2%
1,3-dichloro-5,5-dimethylhydantoin .....	28.9%
1,3-dichloro-5-ethyl-5-methylhydantoin .....	15.9%
Other Ingredients: .....	1.0%
Total: .....	100.0%

Total Available Halogen as Bromine: 141%  
 [and/or]  
 Total Available Halogen as Chlorine: 62.8%

**KEEP OUT OF REACH OF CHILDREN**

**NOTIFICATION**  
 Date Reviewed: 2/27/2012  
 Reviewed By: J. Carl

## DANGER

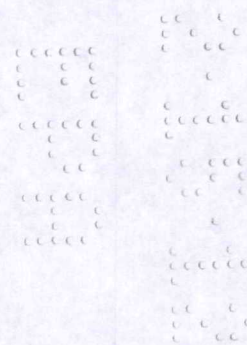
See [side] [back] [right] [left] panel for additional Precautionary Statements and First Aid

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

[DOT Symbols]  
 [Country of origin (insert country)]  
 [Manufactured in (insert country)]  
 [Barcode]

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 and before eating, drinking, chewing gum, using tobacco or using the toilet. 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**

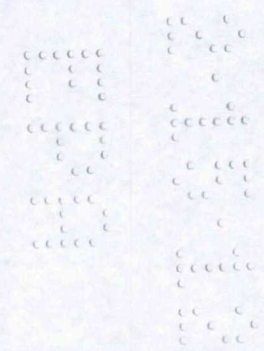
This pesticide is toxic to fish.

*{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.



1/9

{Note to reviewer: The following is considered optional marketing language:}

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

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

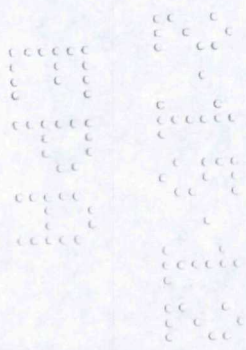
hth spa product guide  
 Maintain  
 Step 1  
 Step 2

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.

Re-entry into treated pools is prohibited above levels of 4 ppm due to risk of bodily injury.

**SPA DIRECTIONS**

**NOTE:** Before using **DANTOBROM S** in your spa or hot tub for the first time, add 1/2 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.

**DANTOBROM S**  
EPA REG. NO. 6836-116  
DRAFT LABEL 2-13-12

{Note to reviewer: Language in [ ] is optional or interchangeable}

{Note to reviewer: For Nonrefillable Containers, Household/Residential Uses; Product is non-dilutable solid}

**STORAGE AND DISPOSAL**

Store in original container in areas inaccessible to children in a cool, dry, well-ventilated area. Do not store at temperatures above 100°F. Nonrefillable container. Do not reuse or refill this container. Discard empty container in trash or offer for recycling if available.

{Note to reviewer: For Nonrefillable Containers, Commercial/Industrial/Institutional Uses, Product is non-dilutable solid}

**STORAGE AND DISPOSAL**

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

**PESTICIDE STORAGE:** Keep container tightly closed. Store in a cool, dry, well-ventilated place. Do not store in direct sunlight. Do not store at temperatures above 100°F.

**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:** Nonrefillable container. Do not reuse or refill this container.

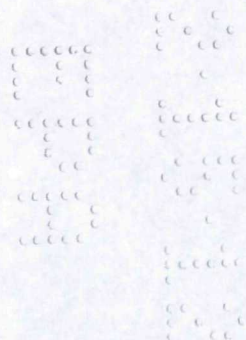
**{Metal and plastic containers:}** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incinerate or burn if allowed by State and local authorities. If burned, stay out of smoke. If not tripled rinsed, these containers are acute hazardous wastes and must be disposed in accordance with local, state, and federal regulations.

**{Metal containers only:}** DO NOT cut or weld metal containers.

**{Fiber drums and liners:}** 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.

**{Bulk Bag/Super Sack Container:}** Completely empty bag into application equipment by shaking and tapping sides and bottom to loosen clinging particles. If not emptied in this manner, the bag may be considered an acute hazardous waste and must be disposed in accordance with local, state and federal regulations. When completely empty, offer for recycling if available or dispose of bag in a sanitary landfill or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

**{Tote Container:}** Empty tote container must be returned to a tote collection agent.





{Note to reviewer: For Refillable Containers, Commercial/Industrial/Institutional Uses, Product is non-dilutable solid}

**STORAGE AND DISPOSAL**

Do not contaminate water, food or feed by storage or disposal. Refillable container. Refill this container with (this product) only. Do not reuse this container for any other purpose. Cleaning before refilling is the responsibility of the refiller.

**{Metal and plastic containers:}** Attach tamper evident devices [seals] to all openings, except vents, and return to the manufacturer for refilling.

**{Tote Containers:}** Empty tote container must be returned to a tote collection agent.

**{Plastic drums and liners:}** Attach tamper evident devices [seals] to all drum openings, except vents, and return the drum to the manufacturer for refilling.

**PESTICIDE STORAGE:** Keep container tightly closed. Store in a cool, dry, well-ventilated place. Do not store in direct sunlight. Do not store at temperatures above 100°F.

**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.

**FINAL CONTAINER DISPOSAL:** Cleaning the container before final disposal is the responsibility of the person disposing of the container.

**{Metal and plastic containers:}** To clean the container before final disposal empty remaining contents from container for use according to use directions and triple rinse promptly after emptying. Triple rinse (or equivalent).

**{Tote Containers:}** To clean the container before final disposal empty remaining contents from container for use according to use directions and triple rinse promptly after emptying. Triple rinse (or equivalent). For additional container disposal information, contact product supplier.

**{Plastic drums and liners:}** Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Offer for recycling, if available or dispose of liner in a sanitary landfill or incinerate if allowed by State and local authorities.

