

PM 32 6836-116 1073  
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

JUN 14 1994

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Mr. Eliot Harrison, Agent for Lonza, Inc.  
Lonza, Inc.  
17-17 Route 208  
Fair Lawn, NJ 07410

SUBJECT: DANTOBROM S  
EPA Registration No. 6836-116  
Amendments of May 11, July 20, and November 19, 1993

Dear Mr. Harrison:

This is in response to amendments noted above requesting approval for a new manufacturing process for a tablet form and two amendments requesting the addition of a labeling statement for approval in the California Department of Pesticide Regulation (CDPR).

CHEMISTRY

The manufacturing process for Dantobrom S tablets is acceptable. The physical and chemical properties are acceptable. The following should be corrected on the label: (1) "Inerts" should be indicated with the same prominence as the active ingredient, (2) available bromine and chlorine should be indicated under the active ingredients.

LABELING

The addition of the statement "proper sanitary practices require changing spa water a minimum of every 30 days" is acceptable.

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, is acceptable subject to the comments listed above. Submit five copies of the finished label before you release the product for shipment bearing the amended labeling.

CONCURRENCES

SYMBOL	75056							
SURNAME	Amey							
DATE	6-10							

If you have any further questions, please contact Ms.  
Barbara Pringle at (703)305-6484.

Sincerely yours,



Ruth G. Douglas  
Product Manager (32)  
Antimicrobial Program Branch  
Registration Division (7505C)

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

**DANGER**

**HARMFUL IF SWALLOWED. HIGHLY CORROSIVE.** DO NOT TAKE INTERNALLY. Causes eye and skin damage. Irritating to nose and throat. Avoid breathing dust. Use with adequate ventilation. Do not get into eyes, on skin or clothing. Wear rubber gloves and goggles or face shield when handling. Wash thoroughly after handling. Immediately remove contaminated clothing and wash before reuse.

**ENVIRONMENTAL HAZARDS**

This pesticide is toxic to fish. Do not discharge into lakes, streams, ponds, or public water unless in accordance with a NPDES permit. For guidance contact your Regional Office of the EPA. Do not contaminate water by cleaning of container and equipment or disposal of wastes.

**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.

**KEEP CONTAINER TIGHTLY CLOSED**

**STORE IN A COOL DRY PLACE**

**DO NOT STORE AT ELEVATED TEMPERATURES**

Dantobrom S is a new form of brominating hydantoin for spas and hot tubs. It is easily adapted to many automatic feeders used to automatically treat both commercial and residential spas and hot tubs.

When used as directed, Dantobrom S will disinfect spa and hot tub 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.

**DANTOBROM S**

**BROMINATING DISINFECTANT FOR SPAS AND HOT TUBS**

**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%

**Inert Ingredients**

Available bromine	39.2%
Available chlorine	44.4%

EPA Reg. No. 6836-116  
EPA Est. No. 6836-PA-01

**KEEP OUT OF REACH OF CHILDREN**

**DANGER**

**STATEMENT OF PRACTICAL TREATMENT**

For eye contact, flush eyes with large amounts of running water for at least 15 minutes. Hold eyelids apart to ensure rinsing of the entire surface of the eye and lids with water. If physician not available, flush for additional 15 minutes. Get immediate medical attention.

For skin contact, immediately wipe away excess material with a dry cloth while removing contaminated clothing and shoes. Under a safety shower, wash affected areas thoroughly with large amounts of water, and soap if available, for at least 15 minutes. Get immediate medical attention. Discard or decontaminate clothing and shoes.

If inhaled, remove from area to fresh air. If not breathing, clear airway and start mouth-to-mouth artificial respiration or use a bag-mask respirator. Get immediate medical attention. If victim is having trouble breathing, transport to medical care and, if available, give supplemental oxygen.

If swallowed, immediately give several glasses of water. DO NOT induce vomiting. If vomiting occurs, give fluids again. Have physician determine if patient's condition allows induction of vomiting or evacuation of stomach. Do not give anything by mouth to an unconscious or convulsing person. Get immediate medical attention.

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

Manufactured by:  
LONZA INC., 17-17 Route 208, Fair Lawn, NJ 07410

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**NOTE:** Before using tub for the first time, add sodium bromide per 100 g ppm bromide residue whenever the spa is used. The bromide residue is completely brominated and to avoid odors and eyes in spa treatment system.

To start up a new clean all surface chemically balanced alkalinity, treat if present and a initiating treatment.

Add sodium bromide. Place Dantobrom S feeder according to maintain an accurate residential spa. Use a reliable measurements.

**Superoxidation:** wastes can accumulate cause dull or cloudy growth. Superoxidation suitable oxidizing a regular basis clear, sparkling are those basis hypochlorite, superoxymonopersulfate.

**DANGER:** Do not form with any other chemicals to the product. A violent explosion could result.

Do not contaminate disposal. Store heat or open flame not reuse empty c

In case of dec possible, and flood dissolve all mate

Pesticide or rins cally reprocessed All approved for

**TRIPLE RINSE THE** destroying by pe containers may Consult federal, approved alternat

**BEST A**