

PM 32 6836-210 1044

US ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (75-767) WASHINGTON, DC 20460	EPA REGISTRATION NO. <b>6836-210</b>	DATE OF ISSUANCE <b>28 APR 1973</b>
	TERM OF ISSUANCE	
	NAME OF PESTICIDE PRODUCT <b>Dantobrom TC</b>	

NOTICE OF PESTICIDE:  REGISTRATION  
 REREGISTRATION  
 (Under the Federal Insecticide, Fungicide,  
 and Rodenticide Act, as amended)

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

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**Lonza, Inc.**  
**17-17 Route 208**  
**Fair Lawn, NJ 17410**  
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NOTE: Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. 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.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an indorsement or approval of this product by this 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 others.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:

1. Submit/cite all data required for registration/reregistration of your product under FIFRA section 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.

2. Make the labeling changes listed below before you release the product for shipment:

- a. Add the phrase "EPA Registration No.6836-10."
- b. Change the Active Ingredient declaration to read:

Active Ingredients  
 1-Bromo-3-chloro-5,5-dimethylhydantion....60.0%  
 1,3-Dichloro-5,5-dimethylhydantion.....27.4%  
 1,3-Dichloro-5-ethyl-5-methylhydantion...10.6%  
 Inert Ingredients.....2.0%

3. Submit five (5) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 enclosure for a further description of final printed labeling.

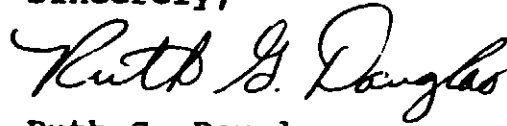
ATTACHMENT IS APPLI ABLE

SIGNATURE OF APPROVING OFFICIAL	DATE <b>28 APR 1973</b>
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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.

Sincerely,



Ruth G. Douglas  
Product Manager (32)  
Antimicrobial Program Branch  
Registration Division (H-7504C)

Enclosures

PM32 12836-210

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**DANGER**

**HARMFUL IF SWALLOWED. HIGHLY CORROSIVE.** 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, chemical goggles and 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 NPDES permit. For guidance, contact your Regional Office of the EPA. Do not contaminate water when disposing of equipment washwaters. Apply this pesticide only as specified on this label.

**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 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 container tightly closed. Store in a dry place. Do not store at elevated temperatures.  
**DISPOSAL:** Do not contaminate water, food or feed by storage or disposal. Pesticide wastes are acutely hazardous and/or toxic. 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.  
**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.  
**FIBER DRUMS AND LINERS:** Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Then dispose of liner and drum in a sanitary landfill or incinerate if allowed by State and local authorities. Do not reuse empty drums or liner.

**DANTOBROM TC**

Contents: BRIQUETTES

**Active Ingredients**

2,4-Imidazolidinedione, 1-bromo-3-chloro-5,5-dimethyl	60.0%
2,4-Imidazolidinedione, 1,3-dichloro-5,5-dimethyl	27.4%
2,3-Imidazolidinedione, 1,3-dichloro-5-ethyl-5 methyl	10.6%
Inerts	2.0%

EPA Reg. No. 6836-  
EPA Est. No. 6836-PA-01  
NET WEIGHT  
(as marked on container)

**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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**DIRECTIONS FOR USE**

is a violation of Federal Law to use this product in a manner inconsistent with the labeling.

**RECIRCULATING COOLING WATER SYSTEMS AND SEWAGE SYSTEMS**

DANTOBROM TC aids in the control of bacterial, fungal and algal slimes in evaporative condensers, heat exchange water towers, influent systems such as flow through filters, industrial water scrubbing systems, brewery pasteurizers and sewage systems (septic tanks, leach fields, tank lines, sewers, lagoons, and sewage effluent water).

This product may be added to the systems either continuously or intermittently or as needed. The frequency of feeding and duration of the treatment will depend upon the severity of the problem.

BADLY FOULED SYSTEMS must be cleaned before treatment is begun.

**FOR CONTROL OF BACTERIA AND FUNGI Intermittent or Slug Method**

**INITIAL DOSE:** When the system is noticeably fouled add 0.1 to 1.0 lbs. to 1000 gallons or 12 to 120 parts per million of the water in the system. Repeat until control is achieved.

**SUBSEQUENT DOSE:** When microbial control is evident add 0.1 to 0.75 pounds to 1000 gals. or 12 to 90 parts per million of water in the system every 3 days or as needed to maintain control.

**CONTINUOUS FEED METHOD**

**INITIAL DOSE:** When a system is noticeably fouled, add 0.1 to 1.0 pounds to 1000 gals. or 12 to 120 parts per million of water in the system.

**SUBSEQUENT DOSE:** Continuously feed to maintain dosage of 0.1 to 0.75 pounds to 1000 gallons or 12 to 90 parts per million of water in the system.

**FOR CONTROL OF ALGAE Intermittent or Slug Method**

**INITIAL DOSE:** When the system is noticeably fouled add 0.1 to 1.0 pounds per 1000 gallons or 12 to 120 parts per million of water in the system. Repeat until control is achieved.

**SUBSEQUENT DOSE:** When algae control is evident add 0.1 to 0.75 pounds to 1000 gallons daily or 12 to 90 parts per million daily or as needed to maintain control.

**CONTINUOUS FEED METHOD**

**INITIAL DOSE:** When the system is noticeably fouled add 0.1 to 1.0 pounds to 1000 gallons or 12 to 120 parts per million of water in the system. Repeat until control is achieved.

**SUBSEQUENT DOSE:** Continuously feed to maintain a dosage of 0.1 to 0.75 pounds to 1000 gallons or 12 to 90 parts per million of water in the system.

**AIRWASHERS**

For use only in industrial airwasher systems that maintain effective mist eliminating components.

DANTOBROM TC controls slime forming bacteria, fungi and algae in industrial airwasher systems. Add DANTOBROM TC at the rate of 0.1 to 1.0 pounds (12 to 120 ppm) per 1000 gallons of water in the system, depending upon the severity of the contamination.

Control the application by measuring the free chlorine residual in the treated water. There is no need to exceed 1.0 ppm as free chlorine.

Badly fouled systems must be cleaned before treatment is begun.

**INTERMITTENT OR SLUG METHOD**

**INITIAL DOSE:** When system is noticeably fouled add to airwasher sump or chill water sump to insure uniform mixing. Add 0.1 to 1.0 pounds to 1000 gallons or 12 to 120 parts per million of water.

**SUBSEQUENT DOSE:** When microbial control is evident add 0.1 to 0.50 pounds to 1000 gals. or 12 to 72 parts per million of water.

**CONTINUOUS FEED METHOD**

**INITIAL DOSE:** When system is noticeably fouled add to airwasher sump or chill water sump to insure uniform mixing. Add 0.1 to 1.0 pounds to 1000 gallons or 12 to 120 parts per million of water.

**SUBSEQUENT DOSE:** When microbial control is evident add 0.1 to 0.6 pounds to 1000 gallons or 12 to 72 parts per million of water.

**FOR INDUSTRIAL USE ONLY**

Technical advice regarding specific on site problems are available from LONZA INC. A Material Safety Data Sheet relative to the use of this product is also available upon request.

**ONCE-THROUGH INDUSTRIAL COOLING WATER SYSTEMS**

When used as directed, DANTOBROM TC Tablets effectively control algal, bacterial and fungal slimes in open or closed-cycle, fresh or salt water, once-through cooling systems. Treat cooling water with DANTOBROM TC Tablets at the system intake or other critical areas, where mixing is uniform.

**DOSAGE RATES**

**INITIAL DOSE:** When system is noticeably fouled, add 0.2-0.6 lbs./1000 gallons of water contained in the system. Repeat initial dosage until one to three ppm (mg/L) bromine residual is established for at least 4 hours.

**SUBSEQUENT DOSE:** When microbial control is evident, add 0.1 to 0.3 lbs./1000 gallons of water contained in the system. Repeat as needed to maintain one to three ppm bromine residual for at least 4 hours.

**TRANSPORTATION CLEANING**

When used as directed, DANTOBROM TC tablets effectively control algal, bacterial and fungal slimes in automobile wash water systems. Badly fouled systems should be cleaned before treatment is begun.

**INITIAL DOSE**

If a heavily fouled system exists and physical cleaning is not possible, add 0.05 lbs. to 0.2 lbs. to 1000 gallons of water or 6-24 ppm of water for two weeks. Then reduce to maintenance levels.

**MAINTENANCE DOSE**

Effective control under normal circumstances is maintained by adding 0.025 lbs. to 0.1 lbs. per 1000 gallons of water or 3-12 ppm of water.

HEALTH 3  
ACCEPTED with COMMENTS  
in EPA Letter Dated: FLAMMABILITY 1  
REACTIVITY 1

8 APR 1992 PERSONAL PROTECTION

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No.

08/21/92

6336-210