6836-115

)7/16/2013



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

July 16, 2013

OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

Ms. Joanna Holcombe, Senior Regulatory Services Associate Lonza, Inc. 90 Boroline Road Allendale, NJ 07401

Subject: Reformatting Previously Approved Product Label Language per PR Notice 98-10 Product Name: **Dantobrom RW** EPA Registration Number: **6836-115** Application Date: June 20, 2013 Application Received Date: June 21, 2013

Dear Ms. Holcombe:

This acknowledges receipt of your Notification application, submitted under the provisions of FIFRA section 3 (c) 7(A) and PR Notice 98-10.

Pesticide Application:

Product Label Notification to add new "notes to the reviewer" and to revise existing "notes to the reviewer." And to separate under separate Headings previously approved directions for sewage systems and directions for recirculating cooling water systems (that were combined in previously approved Product Labels).

General Comments:

Based on the review of the information submitted, the following comment applies. The Notification application is **Acceptable**. A copy of the **accepted** Notification is attached in **Regulatory File Jacket 6836-115** for future reference.

If you have questions or comments with regard to this Agency Letter, the please contact Killian Swift via email at <u>Swift.Killian@epa.gov</u> or by telephone at **703-308-6346**. When you are submitting information or data in response to this Agency Letter, please send a copy of this Agency Letter with your response in order to facilitate processing.

Sincerely yours,

Demson Fuller, Acting EPA Product Manager 32 Regulatory Management Branch II Antimicrobials Division 7510P

	<i>completing j</i> form Ap	proved, OMB No	5. 2070-0060, Approval	exr 7-31-98	2/1.	
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SEPA Enviro	onmental Protection A	gency	Amendm	ient		
	Washington, DC 20460		🛛 Other		3	
	Applic	ation for Pes	ticide - Section 1			
1. Company/Product Number 6836-115		2. EPA Product Manager Mike Mendelsohn			3. Proposed Classification	
4. Company/Product (Name)		PM#			None Restricted	
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90 Boroline Road						
Allendale, NJ 07401		EPA Reg. No. Product Name				
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	<u> </u>	Section	n — II		<u></u>	
Amendment - Explain below	····		Final printed labe	els in response to	Agency letter dated	
Resubmission in response to Age	ncy letter dated	"Me Too" Application				
Notification - Explain below.			Other - Explain b	below		
Explanation: Use additional p	age(s) if necessary. (Fo	r Section I an	d Section II.)	· ·		
	N	lot Subjec	t to PRIA			
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Signature: Source	Holconb	2.	Date: (0-20-2	2013	
		Section	n – III			
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EPA Form 8570-1 (Rev. 8-94)	Previous editions are obsolete
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Via FedEx

Mr. Mike Mendelsohn, Acting 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. 90 Boroline Road Allendale, NJ 07401, USA

Joanna Holcombe Specialty Ingredients Regulatory Services

Tel 678-627-2336 Fax 678-627-2081 joanna.holcombe@lonza.com

June 20, 2013

SUBJECT: Dantobrom RW, EPA Reg. No. 6836-115 Application for Label Notification

Dear Mr. Mendelsohn:

Lonza is submitting a notification to make the following minor changes to the Dantobrom RW label:

- Page 1: Add a note to reviewer.
- Page 3: Revise existing notes to reviewer.
- Page 3: Reiterate directions for sewage systems as a separate section. The directions for sewage systems are combined with the recirculating cooling water systems under the header Recirculating Cooling Water Systems and Sewage Systems on the current EPA approved label. Lonza is simply restating already approved language.

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 678-627-2336.

Sincerely, Lonza Inc.

Horcombe

Joanna Holcombe Sr. Regulatory Services Associate

3/13

Note to reviewer: [Items in brackets [AAA] are optional and may/may not be included on final label] {Items in braces {AAA} are for information purposes and will not appear on final label}

DANTOBROM[™] RW

Contents: BRIQUETTES

Active Ingredients:

1-bromo-3-chloro-5,5-dimethylhydantoir	۱	
1,3-dichloro-5,5-dimethylhydantoin		
1,3-dichloro-5-ethyl-5-methylhydantoin		15.9%
Other Ingredients		
Total:	·	
Total Available Halogen as Bromine:	141%	

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

KEEP OUT OF REACH OF CHILDREN

DANGER

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

EPA Reg. No. 6836-115 EPA Est. No. 6836-PA-01 NET WEIGHT (as marked on 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. 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 reseal container. If possible, isolate container in open air or well-ventilated area. Flood with large volumes of water, if necessary.



FOR INDUSTRIAL USE

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.

DIRECTIONS FOR USE

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

{Note to reviewer/Subregistrant: only one of the following <u>RECIRCULATING COOLING WATER SYSTEMS</u> <u>AND SEWAGE SYSTEMS</u> directions or <u>RECIRCULATING COOLING WATER SYSTEMS</u> directions will appear on the final label}

{Note to reviewer/Subregistrant: This version of the directions contains language that is **NOT APPROVED IN CALIFORNIA.** It can **only** to be used by subregistrants who <u>DO NOT</u> SELL INTO **CALIFORNIA** since it does not contain the California qualifier}

RECIRCULATING COOLING WATER SYSTEMS AND SEWAGE SYSTEMS

Dantobrom RW aids in the control of bacterial, fungal and algal biofilm in evaporative condensers, heat exchange water towers, influent systems such as flow through filters, industrial water scrubbing systems, brewery pasteurizers, sewage systems [septic tanks, leach fields, tank lines, sewers, lagoons, and sewage effluent water], photo processing wash water and paper and paperboard process 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.

{Note to reviewer/Subregistrant: These directions may be used by any subregistrant} **RECIRCULATING COOLING WATER SYSTEMS**

Dantobrom RW aids in the control of bacterial, fungal and algal biofilm in evaporative condensers, heat exchange water towers, influent systems such as flow through filters, industrial water scrubbing systems, brewery pasteurizers, and paper and paperboard process 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.

{Note to reviewer/Subregistrant: These directions may be used by any subregistrant} <u>SEWAGE SYSTEMS</u> – THIS USE IS NOT APPROVED IN CALIFORNIA

Dantobrom RW aids in the control of bacterial, fungal and algal biofilm in sewage systems [septic tanks, leach fields, tank lines, sewers, lagoons, and sewage effluent water] [and photo processing wash 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.

Dantobrom RW EPR Reg. No. 6836-115 EPA Stamped Label 1-25-12, Draft 2013-06-20 **b b b c c**

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FOR CONTROL OF BACTERIA AND FUNGI

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 ppm] 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 per 1000 gallons [or 12 to 90 ppm] 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 pound per 1000 gallons [or 12 to 120 ppm] of water in the system.

SUBSEQUENT DOSE: Continuously feed to maintain dosage of 0.1 to 0.75 pounds per 1000 gallons [or 12 to 90 ppm] 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 pound per 1000 gallons [or 12 to 120 ppm] of water in the system. Repeat until control is achieved.

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

CONTINUOUS FEED METHOD

INITIAL DOSE: When the system is noticeably fouled add 0.1 to 1.0 pound per 1000 gallons [or 12 to 120 ppm] 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 per 1000 gallons [or 12 to 90 ppm] of water in the system.

AIRWASHERS

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

Dantobrom RW controls biofilm forming bacteria, fungi and algae in industrial airwasher systems. Add **Dantobrom RW** at the rate of 0.1 to 1.0 pound [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 ensure uniform mixing. Add 0.1 to 1.0 pound per 1000 gallons [or 12 to 120 ppm] of water. **SUBSEQUENT DOSE:** When microbial control is evident add 0.1 to 0.60 pounds per 1000 gallons [or 12 to 72 ppm] of water.

CONTINUOUS FEED METHOD

INITIAL DOSE: When system is noticeably fouled add to airwasher sump or chill water sump to ensure uniform mixing. Add 0.1 to 1.0 pound per 1000 gallons [or 12 to 120 ppm] of water. SUBSEQUENT DOSE: When microbial control is evident add 0.1 to 0.6 pounds per 1000 gallons [or 12 to 32 ppm] of water.

ONCE-THROUGH INDUSTRIAL COOLING WATER SYSTEMS

When used as directed, **Dantobrom RW** effectively controls algal, bacterial, fungal biofilm and mollusks in open or closed-cycle, fresh or salt water, once-through cooling systems. Treat cooling water with **Dantobrom RW** at the system intake or other critical areas, where mixing is uniform.

DOSAGE RATES

INITIAL DOSE: When system is noticeably fouled, add 0.2 to 0.6 pounds per 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 pounds per 1000 gallons of water contained in the system. Repeat as needed to maintain one to three ppm bromine residual for at least 4 hours.

FOR USE IN CANISTERS

TO INSTALL CANISTER: Take feeder cap off. Remove canister cut offs. Hold canister so the open end faces down. Insert into feeder. The end of the canister must align with the L-key located inside the feeder at the bottom. DO NOT FORCE. Replace feeder cap. To achieve the proper halogen residual, turn the control dial to the appropriate setting and add the required product dosage. Refer to use directions for recirculating cooling water systems and sewage systems or airwasher systems, as appropriate.

Check the canister periodically and replace when empty. Do not attempt to open or refill this canister. DO NOT REUSE.

PRECAUTION:

The warranty will be void if this canister is not used with the appropriate feeder. Fire or explosion may result if this canister is used with an incorrect chemical feeder.

NOTE: Some settling may occur during shipment.

PHOTO PROCESSING WASH WATER – THIS USE IS NOT APPROVED IN CALIFORNIA

The photo processing system should first be properly cleaned with a mild hypochlorite solution following manufacturer's instructions. The use of **Dantobrom RW** IS NOT intended to remove an existing buildup of biological growth. **Dantobrom RW** slowly releases both hypobromous and hypochlorous acid when exposed to a flow of water. To prevent or substantially reduce biological growth, **Dantobrom RW** may be introduced into the wash water by suspending **Dantobrom RW** directly in the wash tanks as far as possible from film or paper and away from areas of extreme turbulence. Begin by placing **Dantobrom RW** in the wash tank. If biological growth is observed, add more **Dantobrom RW** waiting several hours between additions. To prevent film damage, rinse **Dantobrom RW** in water before placing into wash tank. It is intended that 1.0 to 3.0 ppm of residual bromine be introduced into the water supply line. Three to nine grams of **Dantobrom RW** will introduce 1.0 to 3.0 ppm residual bromine in 1,000 gallons of water. Actual use will depend on the amount of biological fouling. To avoid excess introduction of bromine into the processor wash tanks, a bromine test kit should be used to periodically test the water in the wash tanks. If a residual above 3.0 ppm is indicated, remove **Dantobrom RW** until the processor is turned off for any extended period of time, the **Dantobrom RW** in the wash tanks should be removed.

NOTE: Seller liability under all warranties, expressed or implied, is limited to replacement of derective product and seller shall have no liability for consequential damages.

Dantobrom RW EPR Reg. No. 6836-115 EPA Stamped Label 1-25-12, Draft 2013-06-20 در " د در در

PAPER AND PAPERBOARD PROCESS WATER

Dantobrom RW is a patented biocidal formulation for application in the paper industry.

Dantobrom RW prevents bacterial biofilm formation and deposition through the rapid delivery of an ideal balance of free and combined halogen. When used properly, **Dantobrom RW** can reduce microbiologically induced corrosion, paper spots, holes, breaks and odors. By limiting microbial growth and bacterial biofilm formation, **Dantobrom RW** increases machine runnability reducing unscheduled maintenance and lost production.

The patented **Dantobrom RW** composition provides high solubility, fast dissolution and high halogen content without added binders or inert materials for maximum efficiency and product delivery.

Dantobrom RW can be used in the manufacture of both food and non-food contact paper and paperboard.

APPLICATION

Dantobrom RW should be added to process water streams at or immediately prior to a point of sufficient mixing such as the fan pump or wire pit.

Standard dissolution feeders can be used for **Dantobrom RW** applications. Make-up, machine white waters and returning clarified dilution waters are examples of acceptable treatment waters.

INITIAL DOSE: When the system is noticeably fouled apply 0.5 - 2.0 pounds of **Dantobrom RW** per ton of paper produced to achieve 0.1-1.0 ppm total available halogen as chlorine. Repeat treatment until residual is achieved.

SUBSEQUENT DOSE: When microbial control is evident, apply 0.5 – 2.0 pounds of **Dantobrom RW** per ton of paper produced to achieve 0.1-1.0 ppm total available halogen as chlorine. Repeat periodically as needed to maintain control.

BEVERAGE CAN RINSING OPERATIONS

{Note to reviewer: the use of "biofilm" is not in reference to public health pests} **Dantobrom RW** controls the growth of odor causing bacteria, of fungal and algal biofilm, and spoilage bacteria of economic significance in water used for beverage can rinse operations. After rinsing, the cans are dried thoroughly at approximately 350° F and then coated with an impervious lacquer finish.

This product may be added to the rinse water 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.

Apply **Dantobrom RW** to the rinse water at a concentration ranging from 12 -100 ppm.

DECORATIVE FOUNTAINS

When used as directed, **Dantobrom RW** controls algae [and] [algal biofilm] [microbial biofilm] [bacterial biofilm] in decorative fountains. **Dantobrom RW** may be fed continuously or on an intermittent basis depending on the degree of fouling. For maximum effectiveness, fountains containing heavy algae growth should be cleaned prior to using **Dantobrom RW**.

INITIAL DOSE: Fountains having visible algae growth require an initial dose of 0.1 to 1.0 lbs. per 1,000 gallons of water [12 to 120 ppm active]. Repeat the initial dose until control is achieved.

SUBSEQUENT DOSE: Once control is achieved, add 0.1 to 0.75 lbs. per 1,000 gallons of water daily or as a needed to maintain control, by feeding continuously or on an intermittent basis.

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TRANSPORTATION CLEANING

When used as directed, **Dantobrom RW** will effectively control algal, bacterial, and fungal biofilm 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 to 0.2 lbs. per 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 to 0.1 pounds per 1000 gallons [or 3 - 12 ppm] of water.

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{Note to reviewer: For Nonrefillable Industrial Use Containers, 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. Then dispose of liner and drum in a sanitary landfill or incinerate if allowed by State and local authorities. Do not reuse empty drum or liner.

[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 Industrial Use Containers, 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 Container:] Empty tote container must be returned to a tote collection agent.

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.

{Note to reviewer: The following are optional graphics and marketing language}

{Note to reviewer. The following may be used only if the supplemental registrant has obtained an NSF listing. Allowed on back or side panel only.}

{or}



[NSF Listed] (Insert 6-Digit NSF Listing Number here)

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