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11-13-2009



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, DC 20460

OFFICE OF PREVENTION, PESTICID AND TOXIC SUBSTANCE

November 13, 2009

George Katsigras ICL-IP America Inc. 95 MacCorkle Ave., S.W. South Charleston, W. V. 25303

Subject: Bromide Plus EPA Registration Number 8622-49 Application Date: October 19, 2009

Dear Mr. Katsigras:

This acknowledges receipt of your Notification submitted in accordance with the provisions of PR Notice 98-10 under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) section 3(c)9.

Proposed Notification

Revisions to Storage and Disposal Statement in accordance with PR Notice 2007-4.

General Comments

Based on a review of the material submitted, the notification is acceptable. Please submit a finished label with the revised language to this Office for our files.

Should you have any questions or comments concerning this letter, please contact Tom Luminello at (703) 308-8075.

Sincerely Emily H. Mitchell

Product Manager 32 Regulatory Management Branch II Antimicrobials Division (7510P)

Please read instructions of	n reverse before o	ting form.	. Form Ar	<u>. , ^100</u>	MB No. 2070-0	0060. Approvel expires 2-28-95		
SEPA	Environmenta	United States I Protectio ington, DC 204	• •		egistration mendment ther	OPP Identifier Number		
		Applicatio	n for Pesticide - Sec	tion I	,			
. Company/Product Num 8622-49 J. Company/Product (Nan			2. EPA Product Ma E. Mitchell PM#	nager	3	. Proposed Classification		
Bromide Plus			32	32				
 5. Name and Address of Applicant (Include ZIP Code) ICL-IP America Inc. 95 MacCorkle Avenue S.W. South Charleston, WV 25311 Check if this is a new address 			(b)(i), my product to: EPA Reg. No.	EPA Reg. No				
			Product Name Section - II					
Amendment - Explain below. Resubmission in response to Agency letter dated Notification - Explain below.			Final print Agency le "Me Too"	Final printed labels in repsonse to Agency latter dated "Ma Too" Application. Other - Explain below.				
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			Section - IV					
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	any knowlinglly false or	Certificat this form and a misleading state 3		e, accurate	and complete, isonment of o co	6. Date:Application		
. Typed Name George Katsigras	Jugues .		. Date 19-Oct-200)				

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Yellow - Applicant Copy



ICL-IP AMERICA INC. 95 MacCorkle Avenue SW, South Charleston, WV 25303, USA Tel: (304) 720-3950, Fax: (304) 746-3101, www.icl-industrial.com, info@icl-ip.com

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October 19, 2009

Section II Explanation (Continued)

Certification Statement

"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 the 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 statement to the 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 of FIFRA."

George Katsigras Regulatory Affairs Specialist ICL-IP AMERICA INC.







ICL-IP AMERICA INC. 95 MacCorkle Avenue SW, South Charleston, WV 25303, USA Tel: (304) 720-3950, Fax: (304) 746-3101, www.icl-industrial.com, info@ameribrom.icl-ip.com

October 19, 2009

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Attention: Mr. Tom Luminello / PM 32 Document Processing Desk (NOTIF) Office of Pesticide Programs (7504P) U.S. Environmental Protection Agency Rm S-4900, One Potamac Yard 2777 South Crystal Drive Arlington, VA 22202-4501

SUBJECT: Notification per PR Notice 2007-4 Bromide Plus, EPA Reg. No. 8622-49

Dear Sir/Madam:

Please process the enclosed notification for the above referenced product.

The purpose of this notification is to:

Add language required by the Pesticide Container Rule under Storage and Disposal per PR Notice 2007-4.

Enclosed are:

- Application form (EPA Form 8570-1)
- Annotated Label
- Notification Certification Statement

If you have any questions or need additional information, please feel free to contact me by phone at (304) 720-3924 or via email george.katsigras@icl-ip.com.

Caring for your future today

Sincerely yours,

George Katsigras Regulatory Affairs Specialist



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€PA	Environmenta	United States I I Protectio Ington, DC 2046	• •		Registratic Amendme Other		OPP Identifier Number 292317	
		Application	n for Pesticide - Sec	tion	1			
1. Company/Product Numl 8622-49	ber		2. EPA Product Ma E. Mitchell	nager		3. Pi	roposed Classification	
4. Company/Product (Nam Bromide Plus	e)		РМ# 32					
5. Name and Address of A	pplicant <i>(Include ZIP Co</i>	ode)	6. Expedited Re	veiw.	In accordance	e with	FIFRA Section 3(c)(3)	
ICL-IP America Inc. 95 MacCorkle Avenue S.W. South Charleston, WV 25311			to:	(b)(i), my product is similar or identical in composition and labeling				
Check if t	his is a new address		Product Name					
			Section - II			_		
Amendment - Explain below. Resubmission in response to Agency letter dated			Agency let	Final printed labels in repsonse to Agency letter dated "Me Too" Application. Other - Explain below.				
See attached page for cert								
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{All text in brackets [xxx] is o_{i} .nal and may or may not be intended on a_{i} .l label.} {All text in braces {xxx} is administrative and will not appear on a final label.}

BROMIDE PLUS[®]

A DISINFECTANT, SANITIZER, BACTERICIDE, SLIMICIDE, ALGAECIDE, AND MOLLUSK CONTROL AGENT FOR TREATING RECIRCULATING COOLING WATER SYSTEMS AND ONCE-THROUGH COOLING WATER SYSTEMS, PULP AND PAPER MILLS, AND WASTEWATER TREATMENT SYSTEMS Z

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ACTIVE INGREDIENT: Sodium bromide	40%
INERT INGREDIENTS:	60%
TOTAL	.100%

KEEP OUT OF REACH OF CHILDREN

CAUTION

FIRST AID				
lf 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. Call a poison control center or doctor for treatment advice. 			
lf 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. Call a poison control center or doctor for further treatment advice. 			
lf on skin or clothing	 Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice. 			
If swallowed	 Call 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 			
	oduct container or label with you when calling a poison control center or doctor, or going for treatment. Y ALSO CONTACT 1-304-746-3000 FOR EMERGENCY MEDICAL TREATMENT INFORMATION.			
NOTE TO PHYSICIAN Probable mucosal damage may contraindicate the use of gastric lavage.				

See [back] [side] panels for additional precautionary statements and first aid.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS		
HARMFUL IF SWALLOWED		
HARMFUL IF ABSORBED THROUGH THE SKIN		i i
AVOID BREATHING DUST		((((((((
AVOID CONTACT WITH EYES, SKIN, CLOTHING		
DO NOT SMOKE, DRINK, OR EAT WHEN HANDLING	616666	'iiii
DO NOT SHIP WITH FOODS, FEEDS, DRUGS, OR CLOTHING		ι
KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE		
WASH THOROUGHLY WITH SOAP AND WATER AFTER HANDLING	· C C	1 6 6
REMOVE CONTAMINATED CLOTHING AND WASH BEFORE RE-USE	ι ι	
DO NOT CONTAMINATE WATER, FOOD, OR FEED BY STORAGE AND DISPOSA	L	
ENVIRONMENTAL HAZARDS	<i>c</i> cicc ¹	
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d aquatic organisms. Do not contamina water by cleaning of equipment or This product is toxic to fish disposal of wastes. 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.

CHEMICAL AND PHYSICAL HAZARDS

Avoid contact with strong oxidizers (except when in use), acids, alkaline, and heavy metal salts.

STORAGE AND DISPOSAL

STORAGE

Store in a cool, well-ventilated area, in well-closed original containers.

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 in accordance with label instructions, contact your Regional Office of the EPA for guidance.

{Text for non-refillable containers.}

CONTAINER HANDLING: Non-refillable container. Do not reuse or refill this container. Offer for recycling, if available. Triple rinse container (or equivalent) promptly after emptying.

{For containers of 5 gallons or less.}[Triple rinse as follows: Empty the remaining contents into application equipment or mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.] {For containers with capacities greater than 5 gallons.} [Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring ar least one complete revolution, for 30 seconds. Stand the container on it end and tip it back and forth several times. Empty rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.]

{Text for refillable containers.}

CONTAINER HANDLING: Refillable container. Refill this container with sodium bromide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

CHANGE PEP-PR-NOTICE 2007-4

6060

DIRECTIONS FOR USE

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

BROMIDE PLUS is to be used in conjunction with an oxidant such as sodium hypochlorite (12.5%), chlorine gas (99.9%), trichloro-s-triazinetrione (99.0%), sodium dichloro-s-triazinetrione (99.0%), or sodium dichloro-striazinetrione dihydrate (99.0%) to produce hypobromous acid. BROMIDE PLUS may be added at the system inlet water or metered into the existing sodium hypochlorite piping to form a solution of sodium hypobromite. BROMIDE PLUS can be added whenever chlorination is applied, for all uses. Consult your feeder manufacturer for correct procedure and proper use of feeder equipment. ຸ້ດດອດອ

INDUSTRIAL RECIRCULATING COOLING WATER SYSTEMS

Use effectively at dosages recommended to achieve exposures to 0.5 - 5.0 parts per million (ppm) of "active" residual bromine, or as needed to maintain control of algal, bacterial and fungal slimes and controls the . settlement and growth of mollusks such as the Zebra mussel (Dreissena) or the Asiatic clam (Corbicula) in commercial and industrial cooling towers, heat exchange water towers, industrial water scrubbing systems, and influent systems such as flow-through filters, lagoons, etc. 0 00000

Dosage Rates

Initial Dose: When noticeably fouled, add sufficient BROMIDE PLUS and oxidant to achieve the "active" residual bromine level (0.5 - 5.0 ppm), measured about 5 minutes after treatment. A 0.5 - 2.0 mole ratio of sodium bromide to oxidant is recommended. Typically, the recommended mole ratio may be achieved by using 1.5 - 6.0 pounds of chlorine gas (99.9%), 1.3 - 5.2 gallons NaOCI (12.5%), 1.7 - 6.7 pounds of trichloro-s-triazinetrione

(99.0%), 2.4 - 9.5 pounds of $\frac{1}{2}$ um dichloro-s-triazinetrione (99.0%), or 2 10.7 pounds of sodium dichloro-s-triazinetrione dihydrate (99.0%) for each gallon of BROMIDE PLUS.

Subsequent Dose: When microbial control is evident, add sufficient BROMIDE PLUS and oxidant to maintain the "active" residual bromine level (0.5 - 5.0 ppm), measured about 5 minutes after treatment. Continue as in initial dose.

ONCE-THROUGH INDUSTRIAL COOLING WATER SYSTEMS

Used for the control of algal, bacterial, and fungal slimes and controls the settlement and growth of mollusks such as the Zebra mussel (*Dreissena*) or the Asiatic clam (*Corbicula*) in once-through and closed-cycle fresh and seawater cooling systems. Apply BROMIDE PLUS and oxidant to the system inlet water or before any other contaminated area in the system.

Dosage Rates (Initial and Subsequent)

Same as for Industrial Recirculating Cooling Water Systems.

PULP AND PAPER MILLS

Used for the control of algal, bacterial, and fungal slimes, in pulp and paper mill fresh and seawater influent systems, cooling water systems, wastewater treatment systems, nonpotable water systems and other process water. Apply BROMIDE PLUS with oxidant as directed.

Dosage Rates (Initial and Subsequent)

Same as for Industrial Recirculating Cooling Water Systems.

WASTEWATER

BROMIDE PLUS, when used as directed, will disinfect wastewater effectively. The amount of sodium bromide required is determined by the degree of fouling. BROMIDE PLUS can be added to one or several locations of the wastewater system. If its construction permits, it is often added at the influent of the final clarifier or at the point in the system where a secondary treatment is given, prior to effluent discharge.

BROMIDE PLUS and an oxidant should be added in quantities sufficient to reach residual bromine levels of 0.3 - 1.0 ppm measured about 5 minutes after treatment. A 0.08 - 2.0 mole ratio is recommended. Typically, the recommended mole ratio may be achieved by using 0.2 - 6.0 pounds of chlorine gas (99.9%), 0.2 - 5.2 gallons of NaOCI (12.5%), 0.3 - 6.7 pounds of trichloro-s-triazinetrione (99.0%), 0.4 - 9.5 pounds of sodium dichloro-s-triazinetrione (99.0%), or 0.4 - 10.7 pounds of sodium dichloro-s-triazinetrione dihydrate (99.0%) for each gallon of BROMIDE PLUS. The treatment with BROMIDE PLUS can be evaluated by determining whether the total number of coliform bacteria and/or fecal coliform bacteria (using the MPN procedure) has been reduced to a level permitted by governing regulations.

WARRANTY

Seller warrants that this product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with label directions under normal conditions of use, but neither this warranty nor any other warranty of MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, express or implied, extends to the use of this product contrary to label instructions, or under abnormal conditions not reasonably foreseeable to Seller, and Buyer assumes the risk of any such use.

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EPA Reg. No. 8622-49 EPA Est. No.

NET CONTENTS:_____LBS.

MANUFACTURED FOR: ICL-IP America Inc. 95 MacCorkle Avenue S.W. South Charleston, WV 25303 Tel: (304) 720-3590