

8622-49

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON D C 20460

July 23, 2012

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

Ms Hanna Silberberg Regulatory Affairs Manager  
ICL IP America Inc  
95 MacCorkle Avenue S W  
South Charleston WV 25303

Subject Labeling Notification Application of Minor Changes  
Product "**Bromide Plus**"  
EPA Registration Number **8622 49**  
Application Date July 13 2012  
Application Receipt July 16 2012

Dear Ms Silberberg

This acknowledges receipt of the Notification above submitted under the provision of the Federal Fungicide Insecticide and Rodenticide Act ( FIFRA ) as amended

Proposed Notification

ICL IP America Inc is initiating the following Minor Label Changes for **EPA Reg No 8622 49**

On Page One

Revised order of the First Aid Statement based on the severity of the Route of Exposure

On Page Four

Revised placement of the Storage & Disposal Statement in order to conform to the Container Rule

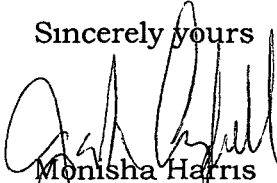
General Comments

Based on a review of the submitted material the following comment applies

The Notification is **acceptable** A copy of the **accepted** Notification has been inserted in your file ( **EPA Reg No 8622 49** ) for future reference

If you have any questions or comments concerning this Agency Letter then please contact Killian Swift via email at [swift.killian@epa.gov](mailto:swift.killian@epa.gov) or by telephone at 703 308 6346 during the hours of 5 00 AM until 12 00 PM Eastern Daylight Time When you are submitting information or data in response to this letter send a copy of this letter to accompany the submission in order to facilitate processing

Sincerely yours



Monisha Harris  
Product Manager 32  
Regulatory Management Branch 2  
Antimicrobials Division ( 7510P )



United States Environmental Protection Agency Washington DC 20460

Registration Amendment Other

OPP Identifier Number

Application for Pesticide - Section I

1 Company/Product Number 8622 49 2 EPA Product Manager Monisha Harris 3 Proposed Classification None Restricted 4 Company/Product (Name) Bromide Plus PM# 32 5 Name and Address of Applicant ICL IP America Inc 95 MacCorkle Avenue S W South Charleston WV 25303 6 Expedited Review In accordance with FIFRA Section 3(c)(3) (b)(i) my product is similar or identical in composition and labeling to EPA Reg No Product Name

Section - II

Amendment Explain below Resubmission in response to Agency letter dated Notification Explain below Final printed labels in response to Agency letter dated Me Too Application Other Explain below

Explanation Use additional page(s) if necessary (For section I and Section II) Notification of the following label changes (1) Reorganization of the First Aid statements based on the requirements of paragraph (2) Change of the Storage and Disposition and (3) Minor formatting change and corrections Fee determination Fee Category Not Applicable hanna.silberberg@cipa.com

Section - III

1 Material This Product Will Be Packaged In Child Resistant Packaging Unit Packaging Water Soluble Packaging 2 Type of Container Metal Plastic Glass Paper Other (Specify) 3 Location of Net Contents Information 4 Size(s) Retail Container 5 Location of Label Directions 6 Manner in Which Label is Affixed to Product Lithograph Paper glued Stenciled Other

Section IV

1 Contact Point (Complete items directly below for identification of individual to be contacted if necessary to process this application) Name Hanna Silberberg Title Regulatory Affairs Manager Telephone No (301) 765-191E Certification I certify that the statements I have made on this form and all attachments thereto are true accurate and complete I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law 2 Signature 3 Title Regulatory Affairs Manager 4 Typed Name Hanna Silberberg 5 Date 13 July 2012 6 Date Application Received (Stamped)



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

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July 13 2012

Document Processing Desk (NOTIF)  
Office of Pesticide Programs (7504P)  
U S Environmental Protection Agency  
Rm S 4900 One Potomac Yard  
2777 South Crystal Drive  
Arlington VA 22202

Attn Monisha Harris Product Manager (32)

**SUBJECT Label Notification for Bromide Plus**  
(EPA Reg No 8622 49)

Dear Ms Harris

Please find enclosed a notification for the above referenced product

The purpose of this label amendment is to

- Reorganize order of the First Aid statements based on the most severe routes of exposure
- Change placement of the Storage and Disposal section
- Minor formatting changes and corrections

Enclosed are

- Application form (EPA Form 8570 1)
- 1 copy of the proposed label
- An annotated copy of the proposed label

If you have any questions or need additional information please feel free to contact me by phone at (301) 765 1918 or via email [hanna.silberberg@icl-ipa.com](mailto:hanna.silberberg@icl-ipa.com)

Sincerely yours

Hanna Silberberg  
Regulatory Affairs Manager



Caring for your future today



{All text in brackets [xxx] is optional and may or may not be intended on a final label }  
{All text in braces {xxx} is administrative and will not appear on a final label }

**Annotated 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 WASTEWATER TREATMENT SYSTEMS AND AIR WASHERS AND BREWERY PASTEURIZERS ~~AND FRUIT AND VEGETABLE WASH~~

<b>ACTIVE INGREDIENT</b> Sodium bromide	40%
<b>INERT OTHER INGREDIENTS</b>	60%
<b>TOTAL</b>	100%

**KEEP OUT OF REACH OF CHILDREN**

## CAUTION

NOTIFICATION  
Not Reviewed  
Reviewed By *[Signature]*

<b>FIRST AID</b>	
<b>If swallowed</b>	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
<b>If on skin or clothing</b>	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
<b>If in eyes</b>	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
<b>If inhaled</b>	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
Have the product container or label with you when calling a poison control center or doctor or going for treatment	
<b>YOU MAY ALSO CONTACT [1 800-420 9236] [telephone number of supplemental distributor] FOR EMERGENCY MEDICAL TREATMENT INFORMATION</b>	

See [back] [side] panel[s] for additional precautionary statements [and First Aid]

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

#### CAUTION

Harmful if swallowed Harmful if absorbed through the skin Avoid contact with eyes skin or clothing

Do not smoke drink or eat when handling Do not ship with foods feeds drugs or clothing Keep container tightly closed when not in use Wash thoroughly with soap and water after handling and before eating drinking chewing gum using tobacco or using the toilet Remove and wash contaminated clothing before reuse Do not contaminate water food or feed by storage and disposal

### ENVIRONMENTAL HAZARDS

This product is toxic to fish and aquatic organisms Do not contaminate water by cleaning of equipment or 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

### DIRECTIONS FOR USE

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

This product 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 s triazinetrione dihydrate (99.0%) to produce hypobromous acid This product may be added at the system inlet water or metered into the existing sodium hypochlorite piping to form a solution of sodium hypobromite This product can be added whenever chlorination is applied for all uses Consult your feeder manufacturer for correct procedure and proper use of feeder equipment

### 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

### DOSAGE RATES

**Initial Dose** When noticeably fouled add sufficient amount of this product 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 NaOCl (12.5%), 1.7 - 6.7 pounds of trichloro s triazinetrione (99.0%) 2.4 - 9.5 pounds of sodium dichloro s triazinetrione (99.0%) or 2.7 - 10.7 pounds of sodium dichloro s triazinetrione dihydrate (99.0%) for each gallon of BROMIDE PLUS this product

**Subsequent Dose** When microbial control is evident add sufficient amount of this product 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 this product 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 this product with oxidant as directed.

**Dosage Rates (Initial and Subsequent)** Same as for Industrial Recirculating Cooling Water Systems

**WASTEWATER**

~~BROMIDE PLUS~~ This product when used as directed will disinfect wastewater effectively. The amount of sodium bromide required is determined by the degree of fouling. This product 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.

This product 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 NaOCl (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~~ this product. The treatment with this product can be evaluated by determining whether the total number of coliform bacteria and/or fecal coliform bacteria (using the Most Probable Number procedure) has been reduced to a level permitted by governing regulations.

**AIR WASHERS AND BREWERY PASTEURIZERS**

When used in conjunction with an oxidant this product effectively controls algal bacterial and fungal slime and controls the settlement and growth of mollusks such as the zebra mussel (*Dreissena*) or the Asiatic clam (*Corbicula*) in influent water systems such as flow through filters cooling ponds canals and lagoons heat exchange water systems air washers pasteurizers retort systems and industrial water scrubbing systems.

**DOSAGE RATES**

Add this product to the system at 0.125 to 2.0 sodium bromide/oxidant mole ratio. For example

- 1) 1.6 to 26.5 pounds of chlorine gas (99.9%) per gallon of sodium bromide solution or
- 2) 1.3 to 21.2 gallons sodium hypochlorite (12.5% available chlorine) solution per gallon sodium bromide solution

**Initial Dose** When the system is noticeably fouled add 0.0003 to 0.024 gallons of this product per 1000 gallons of water contained in the system and oxidize with either gas chlorine (0.008 to 0.040 pounds gas chlorine per 1000 gallons of contained water) or sodium hypochlorite solution (0.007 to 0.032 gallons of 12.5% sodium hypochlorite solution per 1000 gallons of contained water.)

**Subsequent Dose** When microbial control is evident add 0.0002 to 0.024 gallons of this product per 1000 gallons of water contained in the system and oxidize with either gas chlorine (0.004 to 0.040 pounds gas chlorine per 1000 gallons of contained water) or sodium hypochlorite solution (0.003 to 0.032 gallons of 12.5% sodium hypochlorite solution per 1000 gallons of water)

**FRUIT AND VEGETABLE WASH**

When used in conjunction with an oxidant (Chlorine gas or NaOCl) this product can be used for the wash and transport of fruits and vegetables. This product and oxidant should be added at a rate not to exceed a dosage of 55ppm of product (38.5 gallons of this product per one million gallons of water treated). Apply sufficient amount of this product and chlorine or sodium hypochlorite to achieve a residual bromine level of 0.5 to 5 ppm when measured approximately 5 minutes after treatment. The recommended activation mix of this product and oxidant is a one to one molar ratio. Chlorine dose (99%) 3.3 pounds 10% NaOCl dose (3.3 gallons) or 15% NaOCl dose (2.0 gallons) will activate one gallon of this product (40% sodium bromide solution). This product may be continuously metered to Chlorinator eductor water or mixed with a NaOCl solution for activation. The use of this product under this application must be followed by a potable water rinse to remove to the extent possible residues of the chemical.

**STORAGE AND DISPOSAL**

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

**PESTICIDE 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 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution for 30 seconds. Stand the container on its 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.



**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 to the extent consistent with applicable law 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 or under conditions not reasonably foreseeable to Seller and Buyer assumes the risk of any such use

EPA Reg No 8622 49  
EPA Est No \_\_\_\_\_

**NET CONTENTS** \_\_\_\_\_ **LBS [KGS]**

**BATCH CODE** \_\_\_\_\_

**MANUFACTURED FOR**  
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South Charleston WV 25303  
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