

8622-81

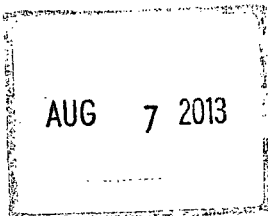
08/07/2013

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION



Levi Howell
Regulatory Affairs Specialist
ICL-IP America, Inc.
95 MacCorkle Avenue, S. W.
South Charleston, WV 25303

Subject: **STABILIZED BROMINE SOLUTION**
EPA Registration Number: 8622-81
Application Date: May 3, 2013
EPA Receipt Date: May 7, 2013

Dear Mr. Howell:

The following label amendment, submitted in connection with registration under section of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable.

An electronic stamped copy of label is enclosed for your record. Should you have any questions or comments concerning this letter, please contact me via email at: fuller.demson@epa.gov or by telephone at (703) 308-6224 during the hours of 9:00 am to 5:30 pm EST.

Sincerely,

A handwritten signature in black ink, appearing to read "Demson Fuller".

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

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

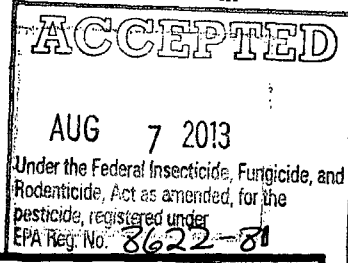
STABILIZED BROMINE SOLUTION

{Alternate brand name approved by the EPA.}
[Bromosol]

[FOR USE AS A [FUNGICIDE], [ALGAECIDE], [SLIMICIDE] [AND] [MICROBIOCIDE] [IN] [RECIRCULATING COOLING AND PROCESS WATER SYSTEMS], [HEAT TRANSFER SYSTEMS], [AIR WASHERS AND INDUSTRIAL SCRUBBING SYSTEMS], [CONTAINERIZED PONDS AND DECORATIVE FOUNTAINS], [INDUSTRIAL ONCE-THROUGH COOLING WATER SYSTEMS], [PULP AND PAPER MILLS], [WASTEWATER SYSTEMS], [OILFIELD APPLICATIONS SUCH AS OIL RECOVERY WELL FLUIDS AND FRACTURING FLUIDS], [SECONDARY OIL RECOVERY SYSTEMS], [AND] [HYDROSTATIC TEST WATERS]].

[CONTROLS BIOFILM DEPOSITS FROM [PUMPS], [PIPEWORKS], [HEAT EXCHANGERS], [AND] [FILTERS ASSOCIATED WITH [INDUSTRIAL WATER TREATMENT SYSTEMS] [AND] [OILFIELD SYSTEMS]].

ACTIVE INGREDIENT: Sodium bromosulfamate..... 17%
OTHER INGREDIENTS:..... 83%
TOTAL:.....100%



KEEP OUT OF REACH OF CHILDREN
DANGER

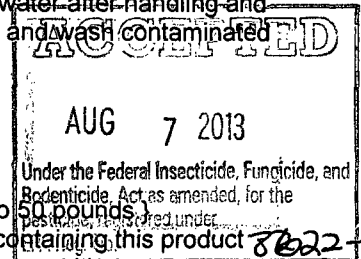
FIRST AID	
If in eyes	<ul style="list-style-type: none"> Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes then continue rinsing eye. Call a poison control center or doctor for treatment advice.
If on skin or clothing	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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 by a poison control center or doctor. Do not give anything by mouth to an unconscious person.
If inhaled	<ul style="list-style-type: none"> 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, doctor or when going for treatment.	
YOU MAY ALSO CONTACT [1-800-420-9236] FOR EMERGENCY MEDICAL TREATMENT INFORMATION.	
NOTE TO PHYSICIAN	
Probable mucosal damage may contraindicate the use of gastric lavage.	

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

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
DANGER

CORROSIVE. CAUSES IRREVERSIBLE EYE DAMAGE AND SKIN BURNS. EYE CONTACT MAY CAUSE LOSS OF VISION. HARMFUL IF ABSORBED THROUGH SKIN OR SWALLOWED.

Do not get in eyes, on skin or on clothing. Wear protective eyewear (goggles with side-shields or face shield), clothing and chemical-resistant gloves. 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.



ENVIRONMENTAL HAZARDS

{For end-use products packaged in containers with sizes less than 50 pounds.}

[This pesticide is toxic to fish and aquatic organisms.]

{For end-use products packaged in containers with sizes greater than or equal to 50 pounds.}

[This pesticide is toxic to fish and aquatic organisms. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or public 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 into sewer systems without previously notifying the sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA. Apply this pesticide only as specified on the label.]

PHYSICAL OR CHEMICAL HAZARDS

This product is not flammable. Avoid contact with strong oxidizers, acids, alkaloidal, 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. Read entire label and use strictly in accordance with precautionary statements and directions.

[When used as directed, this product effectively controls bacteria, fungi, algae and slime in commercial and industrial water systems. This product can also be used to control biofilm deposits from pumps, pipe work, heat exchangers, and filters associated with industrial water treatment systems. This product may be added at system inlet water or other locations in the system at a point of uniform mixing where the treated water will be circulated or mixed throughout the system. Badly fouled systems must be cleaned before treatment begins. The product may be applied to the system either continuously or intermittently (slug dose) or as needed to obtain the recommended total bromine level.]

{Dosage rates will apply to one or a combination of applications below unless specified otherwise.}

[The frequency of feeding and dosage rate will depend upon the application and severity of the problem.]

INITIAL DOSES: When the system is noticeably fouled, apply sufficient amount of this product to achieve a total bromine level of 4-10 ppm or as needed to maintain control. Applying 4 fluid ounces to 1,000 gallons of water yields a maximum of 6.4 ppm of total bromine.

SUBSEQUENT DOSES: When microbial control is evident, apply sufficient amount of this product to achieve a total bromine level of 4-10 ppm or as needed to maintain control.]

[Treatment levels of this product can best be measured with test kits for either bromine or chlorine. Tests must be made immediately after drawing water samples from the system. Use test kits according to directions. When a bromine test kit is used, results can be read directly as ppm bromine. When a chlorine test kit is used, results can be expressed in terms of bromine by multiplying chlorine values by the conversion factor 2.25.]

[RECIRCULATING COOLING AND PROCESS WATER SYSTEMS

When used as directed, this product effectively controls bacteria, fungi, algae and slime in commercial and industrial cooling towers; heat exchange water towers, evaporative condensers, utility plant cooling systems, industrial water scrubbing systems, and influent systems such as flow through filters, lagoons, etc.]

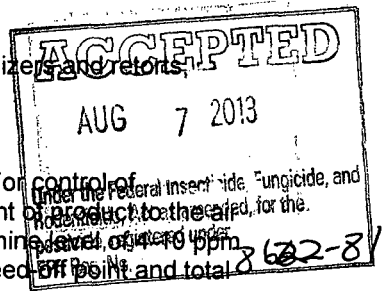
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[HEAT TRANSFER SYSTEMS

For control of bacteria and fungi in heat transfer systems, such as hydrostatic sterilizers and retorts, pasteurizers and warmers, and batch and continuous cookers.]

[AIR WASHERS AND INDUSTRIAL SCRUBBING SYSTEMS

Use only in industrial air washer systems that have mist-eliminating components. For control of microorganisms in industrial air washer or scrubbing systems, add sufficient amount of product to the air washer or sump or chill water. This product must be applied to achieve a total bromine level of 4-10 ppm or as needed to maintain control. Sample of the treated systems must be at the bleed-off point and total bromine residuals determined with an appropriate test kit.]



[CONTAINERIZED PONDS AND DECORATIVE FOUNTAINS

This product may be applied at the pond or fountain inlet or at a location that permits complete diffusion into the water at maximum retention time before reaching the outlet. Sufficient amount of this product must be fed to maintain a total bromine level of 4 - 10 ppm in all parts of the pond or fountain, or as needed to maintain control.]

[INDUSTRIAL ONCE-THROUGH COOLING WATER SYSTEMS

When used as directed, this product effectively controls bacteria, fungi, algae and slime in once-through and closed-cycle fresh and sea water cooling systems. Apply this product to the system inlet water or before any other contaminated area in the system.]

[PULP AND PAPER MILLS

When used as directed, this product effectively controls algal, bacterial, and fungal slime in pulp and paper mill fresh and sea water influent water systems, cooling water systems, wastewater treatment systems, non-potable water systems, whitewater systems and other process water. The product may be applied to the system either continuously or intermittently (slug dose) or as needed to obtain the recommended total bromine level.

Advisory Statement: The product cannot be used in paper mills and pulp manufacturing sites where food packaging materials are produced.

DOSAGE RATES: Add sufficient amount of this product to achieve a residual bromine level of 4-10 ppm or as needed to maintain control of the system. Feed this product directly into the water to be treated. Be sure rapid mixing of the treated water and this product is achieved. Pump manufacturers can recommend the appropriate materials of construction and capacity for a pump to feed this product.]

[WASTEWATER SYSTEMS

When used as directed, this product controls microorganisms in wastewater systems. The quantity of this product required varies with the degrees of fouling. Add sufficient amount of this product to achieve residual bromine levels of 3-10 ppm, or as needed to maintain control, when measured approximately 5 minutes after treatment. Applying 4 fluid ounces to 1,000 gallons of water yields a maximum of 6.4 ppm of total bromine. Higher dosages may be necessary depending upon the systems. The product may be applied to the system either continuously or intermittently (slug dose) or as needed to obtain the recommended total bromine level. Depending on the construction of the wastewater system, this product may be effectively added to one or more different locations in the system. Frequently the compound is added to wastewater receiving secondary treatment at a contact tank preceding the effluent discharge or at the influent of the final clarifier.]

[OILFIELD APPLICATIONS

This product is an algaecide, fungicide, and/or slimicide for oilfield applications. It controls biofilm deposits on pumps, pipe work, heat exchangers, and filters associated with oilfield systems. It also controls biofilm deposits down hole in formations.]

[OIL RECOVERY WELL FLUIDS AND FRACTURING FLUIDS

When used as directed, this product will control the growth of bacteria such as anaerobic sulfate-forming bacteria (*Desulfovibrio desulfuricans*) and aerobic Slime-forming bacteria (*Pseudomonas fluorescens* and

Bacillus cereus) which impair the efficiency of well fluids and fracturing fluids. Add sufficient amount of this product directly to the well fluid or fracturing fluid to achieve a residual bromine level of up to 10 ppm or as needed to maintain control of the system. This product may be added and premixed with the well fluid or fracturing fluid prior to the oilfield operation or may be added directly to the blender during the operation. Rapid mixing of the treated water with this product must be achieved.]

[SECONDARY OIL RECOVERY SYSTEMS

This product may be used in secondary oil recovery water systems, such as oil field water flood or salt water disposal systems for the control of sulfate-reducing bacteria and aerobic slime-forming bacteria, which impair the efficiency of the system. Add sufficient amount of this product to achieve a residual bromine level of up to 10 ppm or as needed to maintain control of the system. This product can be added whenever needed to maintain 10 ppm residual bromine. Feed this product directly into the water to be treated. Mixing of the treated water with this product must be achieved.]

[HYDROSTATIC TEST WATERS

This product may be used in hydrostatic test water systems for the control of sulfate-reducing bacteria and aerobic slime-forming bacteria, which impair the efficiency of the system and damage pipe work by microbial induced corrosion. Add sufficient amount of this product to achieve a residual bromine level of up to 10 ppm or as needed to maintain control of the system. This product can be added whenever needed to maintain 10 ppm residual bromine. Feed this product directly into the water to be treated. Mixing of the treated water with this product must be achieved.]

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE

Store in a dark, cool, dry, well-ventilated area, in well-closed original containers, away from energy sources, combustible organic materials, oxidizers, and moisture.

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 label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER HANDLING

{For nonrefillable containers with capacities less than or equal to 5 gallons.}

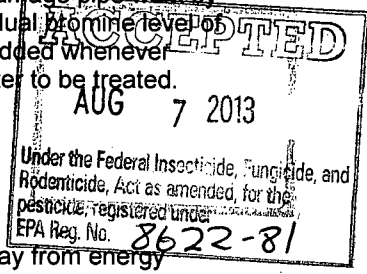
[Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ 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 nonrefillable containers with capacities greater than 5 gallons.}

[Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Triple rinse container (or equivalent) promptly after emptying. 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 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.]

SPILLS

When handling or dealing with spills, use goggles with side-shields or face shield; wear protective clothing, including chemical-resistant gloves and boots; use a respirator if misting occurs. Cover wet spills with 10% sodium bicarbonate solution, water and then an inert absorbent before sweeping up and disposing of as described for pesticide disposal. If container contents are contaminated or decomposing, isolate unsealed container in the open or in a well-ventilated area: flood with 10% sodium bicarbonate solution and large volumes of water if necessary.



[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, expressed 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.]

Produced for:

ICL-IP America, Inc.
95 MacCorkle Avenue SW
South Charleston, WV 25303
{for DOMESTIC labels only:}[Tel: 1-(800) 811-2327]
{for INTERNATIONAL labels only:}[Tel: 1-(304) 746-3000]

EPA Reg. No. 8622-81

EPA Est. No. _____

[Material][Label] No. _____

NET CONTENTS: _____ [lbs.][kg.][gal.][fl. oz.]

[Batch][Label] No. _____

