



## OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

WASHINGTON, D.C. 20460

December 27, 2023

Kris Thompson  
Americas Regulatory Affairs Specialist  
Health, Environment & Regulatory Affairs  
ICL-IP America  
11636 Huntington Road  
Gallipolis Ferry, WV 25515  
Electronic Transmittal: paula.thompson@icl-group.com

**Subject:** Label Amendment – Inorganic Halides Interim Registration Review Decision  
Label Mitigation  
Registration Review Interim Decision Label Mitigation  
Product Name: Hybrom 99  
EPA Registration Number: 8622-57  
Received Date: 6/11/2021  
Decision Number: 576408

Dear Kris Thompson:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

The Agency, in accordance with the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, has completed reviewing all of the information submitted with your application to support the Registration Review of the above referenced product in connection with the Inorganic Halides Interim Decision, and has concluded that your submission is acceptable.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. Pursuant to 40 CFR 156.10(a)(6) you must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product

under the previously approved labeling for 12 months from the date of this letter. After 12 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under FIFRA and is subject to review by the Agency. See FIFRA section 2(p)(2). If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process, FIFRA section 12(a)(1)(B). Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. If you have any questions, please contact Erin Dandridge by phone at 202-566-0635, or via email at [dandridge.erin@epa.gov](mailto:dandridge.erin@epa.gov).

Sincerely,

A handwritten signature in cursive script that reads "Kimberly Wilson".

Kimberly Wilson  
Senior Environmental Protection Specialist  
Reevaluation Branch  
Antimicrobials Division  
Office of Pesticide Programs

Enclosure

{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.}

# HYBROM 99

{Marketing Statements for industrial use sites on market label.}

[A [DISINFECTANT], [SANITIZER], [BACTERICIDE], [SLIMICIDE], [AND] [ALGAECIDE] [FOR TREATING] [RECIRCULATING COOLING WATER SYSTEMS] [AND] [ONCE-THROUGH COOLING WATER SYSTEMS], [PULP & PAPER MILLS], [AND] [WASTEWATER TREATMENT PLANTS]].

{Marketing Statements for use site on market label.}

[FOR FAST TREATMENT OF YELLOW AND MUSTARD ALGAE.]

[DISSOLVES QUICKLY.]

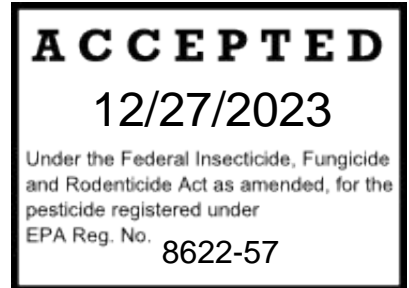
[LEAVES NO RESIDUE.]

**ACTIVE INGREDIENTS:**

Sodium Bromide..... 99%

**OTHER INGREDIENTS:**.....1%

**TOTAL:**.....100%



**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

<b>FIRST AID</b>	
<b>If swallowed</b>	<ul style="list-style-type: none"> <li>• Call a poison control center, or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by the poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>If on skin or clothing</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If in eyes</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If inhaled</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
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 [Telephone No.] FOR EMERGENCY MEDICAL TREATMENT INFORMATION.</b>	
<b>NOTE TO PHYSICIAN</b> 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 CAUTION

**Harmful if swallowed or absorbed through skin.** Avoid breathing dust. Avoid contact with eyes, skin, or clothing. 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.

**GENERAL PRECAUTIONS AND RESTRICTIONS**

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.

**ENVIRONMENTAL HAZARDS**

{For containers having a capacity less than 50 lbs.}

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

{For containers having a capacity greater than or equal to 50 lbs.}

[This product is toxic to fish and aquatic organisms. Do not contaminate water by cleaning of equipment or disposal of waste. 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 sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.]

**PHYSICAL OR CHEMICAL 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. Read the entire label and use strictly in accordance with precautionary statements and directions.

{Directions of Use for industrial use sites on a market label.}

[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 to 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 the 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 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:]**{These rates apply to Once-Through Cooling Water Systems and Pulp and Paper Mills as well.}

**[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 0.3-1.3 pounds of chlorine gas (99.9%), 0.3-1.3 gallons NaOCl (12.5%), 0.4-1.4 pounds of trichloro-s-triazinetrione (99.0%), 0.5-2.0 pounds of sodium dichloro-s-triazinetrione (99.0%), or 0.5-2.0 pounds of sodium dichloro-s-triazinetrione dihydrate (99.0%) for each pound of this product.]

**[Subsequent Dose:** When microbial control is evident, add sufficient 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 in once-through and closed-cycle fresh and seawater cooling systems. Apply this product and chlorine or sodium hypochlorite to the system inlet water or before any other contaminated area in the system.

**[Dosage Rates:]** {Initial and Subsequent rates are the 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 sodium hypochlorite or chlorine as directed.

**[Dosage Rates:]** {Initial and Subsequent rates are the same as for Industrial Recirculating Cooling Water Systems.}}

**[WASTEWATER**

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 must be added in quantities sufficient to reach residual bromine levels of 0.3 -1.0 ppm measured about 5 minutes after treatment. A 0.06-2.0 mole ratio is recommended. Typically, the recommended mole ratio may be achieved by using 0.05-1.3 pounds of chlorine gas (99.9%), 0.04-1.1 gallons of NaOCl (12.5%), 0.05-1.4 pounds of trichloro-s-triazinetrione (99.0%), 0.08-2.0 pounds of sodium dichloro-s-triazinetrione (99.0%), or 0.08-2.2 pounds of sodium dichloro-s-triazinetrione dihydrate (99.0%) for each pound of 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.]

{Directions of Use for swimming pool use site on a market label.}

This product is not for use in outdoor swimming pools.

Discharge Directions for [Commercial] [and] [Residential] Pool Uses

Before draining a treated pool contact your local sanitary sewer and storm drain authorities and follow their discharge instructions. Do not discharge treated pool water to any location that flows to a gutter, storm drain or natural water body unless discharge is allowed by state and local authorities.

**[IMMEDIATE TREATMENT:**

To remove visible yellow or mustard algae: (All dosages are for 10,000 gallons of water). Brush walls and floor areas affected by yellow algae accumulations. Apply 4 oz. of this product as close to the affected areas as possible. For severe accumulations, double the above dosage. Superchlorinate by following directions of that product's label. Swimming may be resumed a few hours after treatment.]

**[WEEKLY MAINTENANCE TREATMENT:**

To prevent accumulation of yellow algae: (All dosages are for 10,000 gallons of water). With water temperature over 80°F, add 4 oz. of this product with 1 gallon of liquid chlorine or 1 pound of dry chlorine once a week. With a water temperature under 80°F, add 2 oz. of this product weekly and ½ gallon of liquid chlorine or ½ pound of dry chlorine.]

**STORAGE AND DISPOSAL**

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

**PESTICIDE STORAGE**

Store in a cool, dry, 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 State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**CONTAINER HANDLING**

{For SUPERSACK:} [Completely empty bag into application equipment. Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available.]

{For FIBER DRUM:} [Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment. 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: 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. Turn the container over onto its other 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.]

{For OTHERS:} [Completely empty [bag] [bucket] [pail] [canister] [bottle] [liner] into application equipment. Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available.]

**SPILLS**

When handling or dealing with spills, use goggles with side shields, or face shield, protective clothing, including chemical-resistant gloves and boots; use a dust respirator if dusting occurs. Sweep up dry spills and dispose of as described for pesticide disposal. If container contents are contaminated or decomposing, do not reseal container. Isolate unsealed container in the open or in a well-ventilated area; flood with 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.  
11636 Huntington Road  
Gallipolis Ferry, WV 25515  
{for DOMESTIC labels only:}[Tel: 1-(877) 661-4272]  
{for INTERNATIONAL labels only:}[Tel: 1-(314) 983-7884]

EPA Reg. No. 8622-57  
EPA Est. No. \_\_\_\_\_  
[Material][Label] No. \_\_\_\_\_  
NET CONTENTS: \_\_\_\_\_ [lbs.][kg.]  
[Batch][Lot] No. \_\_\_\_\_