

**KEEP OUT OF REACH OF CHILDREN
CAUTION
PROLONGED EYE AND SKIN
CONTACT MAY CAUSE SEVERE
IRRITATION.**

DIRECTIONS FOR USE

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

AQUABROM is used as a bactericide, fungicide, algacide, slimicide, and molluscicide in recirculating and once-through cooling water systems, brewery, pasteurizing systems, and waste water systems. It is to be used in conjunction with an oxidant such as sodium hypochlorite (12.5%) or chlorine gas (99.9%) to produce the hypobromous acid. AQUABROM may be added at system inlet water or metered into the existing NaOCl piping to form a solution of sodium hypobromite. Consult your feeder manufacturer for correct procedure and proper use of the feeder equipment.

WASTEWATER: When used as directed, AQUABROM effectively controls microorganisms in wastewater systems. The quantity of AQUABROM required varies with the degree of fouling. Add sufficient AQUABROM and chlorine or sodium hypochlorite to achieve residual bromine levels of 0.3 ppm to 1 ppm when measured approximately 5 minutes after treatment. Depending on the construction of the wastewater system, AQUABROM can 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.

RECIRCULATING COOLING WATER SYSTEMS INCLUDING BREWERY PASTEURIZERS AND AIR WASHERS: When used as directed, AQUABROM effectively controls bacteria, fungi, algae, slimes and the growth and settlement of mollusks such as 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, and lagoons, etc.

INDUSTRIAL ONCE-THROUGH COOLING WATER SYSTEMS: When used as directed, AQUABROM effectively controls bacteria, fungi, algae, slimes and the growth and settlement of mollusks such as zebra mussel (*Dreissena*) or the Asiatic clam (*Corbicula*) in once-through and closed-cycle fresh and sea water cooling systems. Apply AQUABROM and chlorine or sodium hypochlorite to the system inlet water or before any other contaminated area in the system.

DOSAGE RATES

Initial Dose: When the system is noticeably fouled, apply sufficient AQUABROM and chlorine or sodium hypochlorite to achieve a residual bromine level of 0.5-1 ppm or as needed to maintain control. A 0.5 to 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 lbs of chlorine gas (99.9%) or 1.3-5.2 gallons NaOCl (12.5%) for each gallon of AQUABROM.

Subsequent Dose: When microbial control is evident, apply sufficient AQUABROM and chlorine or sodium hypochlorite to achieve a residual bromine level of 0.5-1 ppm or as needed to maintain control. A 0.5 to 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 lbs of chlorine gas (99.9%) or 1.3-5.2 gallons NaOCl (12.5%) for each gallon of AQUABROM.

The product may be added to the system either continuously or intermittently or as needed to obtain the above residual level. The frequency of feeding and dosage rate will depend on the severity of the problem. It is recommended that the product be used in a manner such that the effluent discharges meet the NPDES guidelines.

AQUABROM can also be used to clean biofilm deposits from pumps, pipework, heat exchangers, and filters associated with industrial water treatment systems.

DOSAGE RATES: When the system is noticeably soiled, apply AQUABROM and chlorine or sodium hypochlorite to achieve a residual bromine level of 1.0-3.0 ppm or as needed to clean biofilm soil. A 0.25 to 1.0 mole ratio of sodium bromide to oxidant is recommended. Typically, the recommended mole ratio may be achieved by using 1.5-6.0 lbs of chlorine gas (99.9%) or 1.3-5.2 gallons NaOCl (12.5%) for each gallon of AQUABROM.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. **STORAGE:** Store in a cool, dry, well-ventilated area. Product should be stored at 10° F or above.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: [55 gallon] Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Offer for reconditioning if appropriate. Triple rinse as follows: Empty 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. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.

CONTAINER DISPOSAL: [275-300 gallon tote or IBC] Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Offer for reconditioning if appropriate. Triple rinse as follows: Empty the remaining contents from this container into application equipment or a 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 makes no warranty expressed or implied concerning the use of this product other than indicated on the label. Buyer assumes all risk of use and/or handling of this material when such use and/or handling is contrary to label instructions.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if absorbed through skin. Avoid contact with skin and clothing. Wash with soap and water after handling. Remove contaminated clothing and wash clothing separately before reuse. Do not get into eyes.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and aquatic organisms. 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

AQUABROM is not flammable. Avoid contact with strong acids and strong oxidizing agents. Avoid contact with common metals such as aluminum, brass, copper, carbon steel, and stainless steel.

Not for Resale

MADE IN THE U.S.A.
0080CABA
0M912



Department of Agriculture
STATE OF HAWAII
LICENSED
PERIOD 2014-2016 LIC. NO. 8083.3

Department of Agriculture
STATE OF HAWAII
LICENSED
PERIOD 2011-2013 LIC. NO.

Packed for
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Water Treatment
Specialists
CHEM-AQUA®

For Use As a Bactericide, Fungicide, Algicide, Slimicide, and Molluscicide in Commercial and Industrial Water Treatment

AQUABROM™

CONTROLS BIOFILM DEPOSITS FROM PUMPS, PIPEWORK, HEAT EXCHANGERS, AND FILTERS ASSOCIATED WITH INDUSTRIAL WATER TREATMENT SYSTEMS.

ACTIVE INGREDIENT

Sodium Bromide.....40.0%
INERT INGREDIENTS..... 60.0%
TOTAL..... 100.0%
EPA REG. NO. 3377-25-71898

FIRST AID	
IF IN EYES:	Hold eye open and rinse slowly and gently with water for 15-25 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:	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 a poison control center or doctor.
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
For medical or environmental emergencies, call CHEMTREC® at 1-800-424-9300.	

EPA Est. No									
4140 -								71318 -	
CA-1	IN-1	NU-1	PR-1	TX-1	TX-2	TX-4	CAN-1	TX-01	