A disinfectant, sanitzer, bactericide, alimicide, and algicide for treating recirculating cooling water systems and once-through cooling water systems, pulp & paper mills, and wastewater treatment systems.

**ACTIVE INGREDIENT:** Sodium Bromide.......................................................... 40%

**INERT INGREDIENTS:**.......................................................... 60%

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

**KEEP OUT OF REACH OF CHILDREN CAUTION**

**FIRST AID**

If 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.

If 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. Call a poison control center or doctor for further treatment advice.

If 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 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.

**FOR EMERGENCY MEDICAL INFORMATION IN USA OR CANADA, CALL: 1-800-888-0026.**

**FOR EMERGENCY MEDICAL INFORMATION WORLDWIDE, CALL: 1-615-222-5352 (IN THE USA).**

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

**REACTHAM:** Probable mucosal damage may contraindicate the use of gastric lavage.

**DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. MULTIBROM Liquid is to be used in conjunction with an oxidant such as sodium hypochlorite (12.5%), chlorine gas (99.9%), or sodium dichloro-s-triazinetrione (99.8%) to produce the hypochlorous acid. MULTIBROM Liquid may be added at the system inlet water or metered into the existing sodium hypochlorite piping to form a solution of sodium hypobromite. MULTIBROM Liquid can be added whenever chlorine application 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 algae, bacterial and fungal slime in commercial and industrial cooling towers, heat exchange water towers, industrial water scrubbing systems, and influent systems such as flow-through filters, lagoons, etc.

**DOSEAGE RATES**

**Initial Dose:** When noticeably fouled, add sufficient MULTIBROM Liquid and oxidant to achieve the "active" residual bromine level of 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 (99.9%), 2.4-9.5 pounds of sodium dichloro-s-triazinetrione (99.9%), or 2.7-10.7 pounds of sodium dichloro-s-triazinetrione dihydrate (99.0%) for each gallon of MULTIBROM Liquid.

**Subsequent Dose:** When microbial control is evident, add sufficient MULTIBROM Liquid 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**

For the control of algae, bacterial, and fungal slime in once-through and closed-cycle fresh and seawater cooling systems. Apply MULTIBROM Liquid and oxidant to the system inlet water or before any other contaminated area in the system.

**DOSEAGE RATES**

**Initial Dose:** When noticeably fouled, add sufficient MULTIBROM Liquid and oxidant to achieve the "active" residual bromine level of 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 (99.9%), 2.4-9.5 pounds of sodium dichloro-s-triazinetrione (99.9%), or 2.7-10.7 pounds of sodium dichloro-s-triazinetrione dihydrate (99.0%) for each gallon of MULTIBROM Liquid.

**Subsequent Dose:** When microbial control is evident, add sufficient MULTIBROM Liquid 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.

**PULP AND PAPER MILLS**

Used for the control of algae, bacterial, and fungal slime in pulp and paper mill fresh and seawater influent systems, cooling water systems, wastewater treatment systems, nonpotable wastewater systems and other process water. Apply MULTIBROM Liquid with oxidant as directed.

**DOSEAGE RATES**

**Initial Dose:** When noticeably fouled, add sufficient MULTIBROM Liquid and oxidant to achieve the "active" residual bromine level of 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 (99.9%), 2.4-9.5 pounds of sodium dichloro-s-triazinetrione (99.9%), or 2.7-10.7 pounds of sodium dichloro-s-triazinetrione dihydrate (99.0%) for each gallon of MULTIBROM Liquid.

**Subsequent Dose:** When microbial control is evident, add sufficient MULTIBROM Liquid 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.

**WASTEWATER**

MULTIBROM Liquid when used as directed, will disinfect wastewater effectively. The amount of sodium bromide required is determined by the degree of fouling. MULTIBROM Liquid 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 0.02-8.0 mole ratio is recommended. Typically, the recommended mole ratio may be achieved by using 0.6-6.0 pounds of chlorine gas (99.9%), 0.3-2.7 gallons NaOCl (12.5%), 0.5-6.7 pounds of trichloro-s-triazinetrione (99.9%), 0.4-9.5 pounds of sodium dichloro-s-triazinetrione (99.9%), or 0.5-10.8 pounds of sodium dichloro-s-triazinetrione dihydrate (99.0%) for each gallon of MULTIBROM Liquid. The treatment with MULTIBROM Liquid can be evaluated by determining whether the total number of coliform bacteria and/or fecal coliform bacterial (using the MPN Procedure) has been reduced to a level permitted by governing regulation.

**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, or under conditions not reasonably foreseeable to Seller, and Buyer assumes the risk of any such use.

**ITEM CODE:** 83375

**Net Contents:** 47 U.S. gal/179 L

**Net Weight:** 550 lb/249 kg

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**CAUTION:** HARMFUL IF SWALLOWED. HARMFUL IF ABSORBED THROUGH THE SKIN. Avoid breathing dust. Avoid contact with eyes, skin, clothing. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before re-use.

**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. DO NOT SMOKE, DRINK, OR EAT WHEN HANDLING.

**STORAGE & DISPOSAL**

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

Container Handling: Returns of unopened, bulk container can be returned. Refrigerate 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 owner of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, follow these steps: 1) Remove the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full of 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.

DO NOT SHIP WITH FOODS, FEEDS, DRUGS, OR CLOTHING KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE

EPA Reg. No. 8622-49-1677

EPA No. 1677-IL-2 (J), 1677-TX-1 (D), 1677-CA-1 (S), 1677-GA-1 (M), 1677-MN-1 (P), 1677-CA-2 (R), 1677-WV-1 (V).

Superscript refers to the first letter of code.

**DISTRIBUTED BY:** Ecolab Inc.

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