

A DISINFECTANT, SANITIZER, BACTERICIDE, SLIMICIDE, AND ALGICIDE FOR TREATING RECIRCULATING COOLING WATER SYSTEMS AND ONCE-THROUGH COOLING WATER SYSTEMS, PULP AND PAPER MILLS, AND WASTEWATER TREATMENT SYSTEMS.

ACTIVE INGREDIENT: Sodium bromide 38%
INERT INGREDIENTS 62%
TOTAL 100%

KEEP OUT OF REACH OF CHILDREN

CAUTION

STATEMENT OF PRACTICAL TREATMENT

If in eyes: Flush eyes immediately with plenty of water for at least 15 minutes. Get medical attention if irritation persists.

If on skin: Wash thoroughly with soap and plenty of water. Remove and wash contaminated clothing before reuse. Get medical attention if irritation occurs.

If inhaled: Remove person to fresh air. Get medical attention.

If swallowed: Give two glasses of water and induce vomiting. Get medical attention immediately. Do not induce vomiting or give liquids to an unconscious person.

See side panels for additional precautionary statements.

EPA Reg. No. 8622-49

EPA Est. No. 707-IL-1
EPA Est. No. 8622-TX-1
EPA Est. No. 67834-OH-1
EPA Est. No. 67834-TX-1

Manufactured by: AMERIBROM, INC.
52 VANDERBILT AVENUE
NEW YORK, NEW YORK 10017
(212) 286-4000

15334-R1

**AVOID CONTACT WITH EYES
USE WITH ADEQUATE VENTILATION
WASH THOROUGHLY AFTER HANDLING**

ENVIRONMENTAL HAZARDS

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. Do not contaminate water by cleaning of equipment or disposal of waste. Use this product only as specified on this label.

CHEMICAL AND PHYSICAL HAZARDS

Avoid contact with strong oxidizers (except when in use), acids, alkaline and heavy metal salts.

STORAGE AND 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.

METAL CONTAINERS: Triple rinse (or equivalent). Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

PLASTIC CONTAINERS Triple rinse (or equivalent). Then offer for reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

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

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.

Net contents: LBS

DIRECTIONS FOR USE

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

BROMIDE PLUS 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.

BROMIDE PLUS may be added at the system inlet water or metered into the existing sodium hypochlorite piping to form a solution of sodium hypobromite. BROMIDE PLUS 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

Used effectively at dosages recommended to achieve exposures to 0.5-5.0 part 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

Initial Dose: When noticeably fouled, add sufficient BROMIDE PLUS and chlorine or sodium hypochlorite 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 lbs of chlorine gas (99.9%) or 1.3-5.2 gallons NaOCl (12.5%) for each gallon of BROMIDE PLUS.

Subsequent Dose: When microbial control is evident, add sufficient BROMIDE PLUS and chlorine or sodium hypochlorite 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 sea water cooling systems. Apply BROMIDE PLUS and chlorine or sodium hypochlorite to the system inlet water or before any other contaminated area in the system.

Dosage Rates

Initial Dose: When noticeably fouled, add sufficient BROMIDE PLUS and chlorine or sodium hypochlorite to achieve the 'active' residual bromine level (0.5-5.0 ppm) measured about 5 minutes after treatment. A 0.1-2.0 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 BROMIDE PLUS.

Subsequent Dose: When microbial control is evident, add sufficient BROMIDE PLUS and chlorine or sodium hypochlorite 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 algal, bacterial and fungal slimes, in pulp and paper mill fresh and sea water influent systems, cooling water systems, wastewater treatment systems, nonpotable water systems and other process water. Apply BROMIDE PLUS with sodium hypochlorite or chlorine as directed.

Dosage Rates

Initial Dose: When noticeably fouled, add sufficient BROMIDE PLUS and chlorine or sodium hypochlorite 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 lbs of chlorine gas (99.9%) or 1.3-5.2 gallons NaOCl (12.5%) for each gallon of BROMIDE PLUS.

Subsequent Dose: When microbial control is evident, add sufficient BROMIDE PLUS and chlorine or sodium hypochlorite to maintain the 'active' residual bromine level (0.5-5.0 ppm), measured about 5 minutes after treatment. Continue as in initial dose.

WASTEWATER

BROMIDE PLUS when used as directed, will disinfect wastewater effectively. The amount of sodium bromide required is determined by the degree of fouling. BROMIDE PLUS can be added at 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.

BROMIDE PLUS and chlorine or sodium hypochlorite 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 to 2.0 mole ratio of sodium bromide to oxidant is recommended. The treatment with BROMIDE PLUS can be evaluated by determining whether the total number of coliform bacteria and/or fecal coliform bacteria (using the MPN Procedure) has been reduced to a level permitted by governing regulations.