PM 32 8622-49

# BROMIDE PLUS

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

**TOTAL 100%** 

#### KEEP OUT OF REACH OF CHILDREN

### CAUTION

#### STATEMENT OF PRACTICAL TREATMENT

If in eves:

Flush eyes immediately with plenty of water for at least 15 minut. Get medical attention if irritation persists.

If on skin:

Wash, thoroughly with soap and plenty of water. Remove and

wash contaminated clothing before re-use. Get medical

attention if irritation occurs

if inhaled:

Remove person to tresh air. Get medical attention.

If swallowed:

Give two glasses of water and induce vomitting. Get medical attention. Do not induce vomitting a give liquids to an

unconscious person.

See side panels for additional precautionary statements.

EPA Reg. No. 8622-49

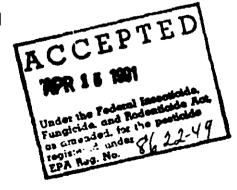
EPA Est No. 15298-IS-1 EPA Est No. 8622-TX-01

Manufactured by: BROMINE COMPOUNDS LTD. P.O. Box 180, Beer-Sheva 84101 ISRAEL

For:

### AmeriBrom.Inc.

52 Vanderbilt Ave New York, N.Y. 10017 UNITED STATES OF AMERICA



Net	contents:	
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IREC (800)424-9300 BROM INC. (212)286-4000 (Call Collect)

#### PRECAUTIONARY STATEMENTS

# HARMFUL IF SWALLOWED AVOID CONTACT WITH EYES USE WITH ADEQUATE VENTILATION WASH THOROUGHLY AFTER HANDLING

#### **ENVIRONMENTAL HAZARDS**

Keep out of lakes, streams and ponds. Do not contaminate water by cleaning of equipment or disposal of wastes. Do not discharge into lakes, streams, ponds or public water unless in accordance with NPDES Permit. For guidance, contact your Regional Office of EPA. 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 softs.

#### **DIRECTIONS FOR USE**

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

#### STORAGE AND DISPOSAL

STORAGE: Store in a cool, well ventilated area, in well-closed original containers.

DISPOSAL: Do not contaminate water, food or feed by storage or disposal. Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal Law. If these wastes can not be disposed of by use according to label instructions, contact your Regional Office of EPA for guidance.

Metal Containers: Trible rinse (or equivalent). Then offer for recycling or reconditioning or puncture and dispose of in a sonifary 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 incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smake.

BPCHTEE PLUS is to be used in conjunction with an oxidant such as sodium hypochlorite (12.5%) or chlorine gas (99.9%) to produce hypobromous acid. BROLHIDE PLUS may be added at the system inlet water or metered into the existing sodium hypochlorite piping to form a solution of sodium hypobromite. BPOMIDE PLUS can be added whenever chlorination is applied, for all uses. Consult your feeder manufacturer for correct procedure and proper use of the feeder aquipment.

(Continued)

IN CASE OF EMERGENCY CONTACT: CHEM OR: AMERI

033 - 004/Rev.0

#### INDUSTRIAL RECIRCULATING COOLING WATER SYSTEMS

Used effectively at dásages 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 stimes in commercial and industrial cooling towers; heaf exchange water towers, industrial water scrubbing systems, and influent systems such as flow through filters, laggions, etc.

Datage Rates initial Dase: 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 to 2.0 male ratio of ppm), measured about 5 minutes after freatment. A 0.5 to 2.0 male ratio of sodium bromide to oxidiant is recommended. Typically, the recommended male ratio may be achieved by using 1.5-6.0 bs of chlorithe gas (99.9%) or 1.3-5.2 gallons NaOCI (12.5%) for each gallon of BROMIDE PLUS. Subsequent Dase: When microbiol 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 olgal, 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

Dosage Rates
Initial Dose: When noticeably touled, 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 to 2.0 male 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 NaOCI (12.5%) for each gallon of BROMIDE PLUS.
Subsequent Dose: When microbrial control is evident, add sufficient BROMIDE
PLUS and chloring or section hypochlarite to maintain the "active" residual

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 silmes, 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.

Dasage Rates Initial Dase: When noticeably fauled, add sufficient BROMIDE PLUS and chlorine or sodium hypochlorite to achieve the "active" residual bromine level (0.5-\$.0 ppm), measured about 5 minutes after treatment. A 0.5 to 2.0 mole ratio of sodium bromide to oxidiant 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 NaOCt (12.5%) for each gallon of BROMIDE PLUS.

Subsequent Dase: When microbial control is evident, add sufficient BROMIDE PLUS and chlorine or sodium hypochlorite to maintain the "active" residual

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 brainide required is determined by the degree of fouling. BROMIDE PLUS 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.

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 sadium laratide to oxidant is recommended. The treatment with BROMBE PERS can be evaluated by determining whether the total number of coliform locateria and/or fecal coliform locateria (using the MPN Procedure) has been reduced to a level nermitted by coverning regulations. permitted by governing regulations.

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

WARRANTY

Seller warrants that the product conforms to its chemical description and is reasonably fit for the purposes stated on the Icbel when used in accelerace with directions under normal conditions of use, but neither this warranty rips early 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, c. under conditions not reasonably torseeable to seller, and buyer assumes the risk of any such use

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