

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND
DOMESTIC ANIMALS**

CAUTION:

**HARMFUL IF SWALLOWED. CAUSES
MODERATE EYE IRRITATION.**
Do not get in eyes, on skin or on clothing. Wash
thoroughly after handling.

ENVIRONMENTAL HAZARDS

Do not discharge effluent containing this active
ingredient into lakes, streams, ponds, estuaries,
oceans, or public waters unless this product is
specifically identified and addressed in an NPDES
permit. 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 AND CHEMICAL HAZARDS
REDUCING AGENT.** Do not mix this pesticide with
acids or other oxidizing chemicals. Mixing with
acids or oxidizing chemicals may cause evolution
of hydrogen bromide gas which is poisonous and
corrosive.

STORAGE AND DISPOSAL

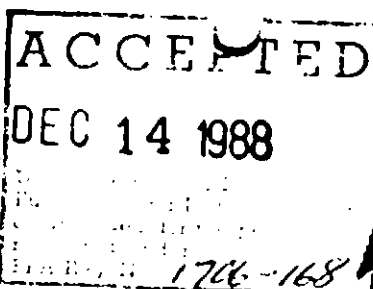
STORAGE: Store in a cool dry place away from
direct sunlight. Do not contaminate water, food
or feed by storage or disposal. Open dumping is
prohibited.

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:

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 recycling or reconditioning, or
puncture and dispose of in a sanitary landfill,
or, if allowed by state and local authorities, by
burning. If burned, stay out of smoke.



**NALCO®
ACTI-BROM™
1338**

CHLORINE ENHANCER & BIODISPERSANT

Hypobromous Acid Generating Source For Use in Utility and Industrial once
Through and Recirculating Cooling Water Systems Utilizing Chlorination

ACTIVE INGREDIENT:	
Sodium Bromide	92.8%
INERT INGREDIENTS:	
Total	100.0%

EPA Reg. No. 1706-168

EPA Est. No. 1706-11-1

**KEEP OUT OF REACH OF CHILDREN
CAUTION:**

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Induce vomiting immediately by giving two glasses of water and
sticking finger down throat. Never give anything by mouth to an unconscious
person.

IF IN EYES: Immediately flush eyes with plenty of water for at least 15
minutes. Call a physician.

IF ON SKIN: Flush skin with water. Remove and wash contaminated clothing
before reuse.

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

NALCO CHEMICAL COMPANY
6216 WEST 66TH PLACE CHICAGO, IL 60638

EMERGENCY TELEPHONE NUMBER
(312) 920-1510

DIRECTIONS FOR USE:

It is a violation of Federal Law to use this product in a manner
inconsistent with its labeling.
ACTI-BROM 1338 is a source of hypobromous acid when applied to
cooling water systems already being treated by chlorination.

RECIRCULATING COOLING WATER SYSTEMS

When used as directed, ACTI-BROM 1338 helps to effectively control
algae, bacterial and fungal slime, asiatic clams, barnacles and
other molluscs, in commercial and industrial cooling towers, in-
fluent water systems such as flow through filters, heat exchange
water systems, and industrial water scrubbing systems.

DOSAGE RATES: Add ACTI-BROM 1338 to the system at a 0.5 to 2.0
sodium bromide/oxidant mole ratio. For example:

1) 2 to 8 pounds of chlorine gas (99.9%) per gallon of sodium
bromide solution;

2) 1.6 to 6.5 gallons sodium hypochlorite (12.5% available
chlorine) solution per gallon of sodium bromide solution.

INITIAL DOSE: When the system is noticeably fouled, add 0.001 to
0.020 gallons of ACTI-BROM 1338 per 1000 gallons of water contain-
ed in the system and oxidize with either gas chlorine (0.008 to
0.042 lbs. gas chlorine per 1000 gallons of contained water), or
sodium hypochlorite solution (0.007 to 0.034 gallons of 12.5%
sodium hypochlorite solution per 1000 gallons of contained water).

SUBSEQUENT DOSE: When microbial control is evident, add 0.0005 to
0.030 gallons of ACTI-BROM 1338 per 1000 gallons of water contain-
ed in the system, and oxidize with either gas chlorine (0.004 to
0.042 lbs. gas chlorine per 1000 gallons of contained water), or
sodium hypochlorite solution (0.003 to 0.034 gallons of 12.5%
sodium hypochlorite solution per 1000 gallons of contained water).

**ONCE-THROUGH COOLING WATER
AND WASTEWATER TREATMENT SYSTEMS**

When used as directed, ACTI-BROM 1338 helps to effectively control
algae, bacterial and fungal slime, asiatic clams, and barnacles
in a once-through fresh and sea water cooling systems and helps to
disinfect secondary and tertiary wastewater treatment systems
currently being chlorinated.

DOSAGE RATES: Add ACTI-BROM 1338 to the system at a 0.5 to 2.0
sodium bromide/oxidant mole ratio. For example:

1) 2 to 8 pounds of chlorine gas (99.9%) per gallon of sodium
bromide solution;

2) 1.6 to 6.5 gallons sodium hypochlorite (12.5% available
chlorine) solution per gallon of sodium bromide solution.

INITIAL DOSE: When the system is noticeably fouled, add 0.003 to
0.04 gallons of ACTI-BROM 1338 per 1000 gallons of water contain-
ed in the system, and oxidize with either gas chlorine (0.02 to
0.04 lbs. gas chlorine per 1000 gallons of contained volume), or
sodium hypochlorite solution (0.02 to 0.07 gallons 12.5% sodium
hypochlorite solution per 1000 gallons of contained volume).

SUBSEQUENT DOSE: When microbial control is evident, add 0.001 to
0.04 gallons ACTI-BROM 1338 per 1000 gallons of water contained
in the system, and oxidize with either gas chlorine (0.008 to
0.04 lbs. gas chlorine per 1000 gallons contained volume), or
sodium hypochlorite solution (0.007 to 0.07 gallons 12.5% sodium
hypochlorite solution per 1000 gallons of contained volume).

Specific dosage of ACTI-BROM 1338 will vary depending upon the
operating characteristics of the system, the water chemistry and
the severity of contamination. Consult your Nalco Representative
for optimum dosage in your system.