PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION. HARMFUL IF SWALLOWED. HARMFUL IF ABSORBED THROUGH SKIN. CAUSES MODERATE EYE IRRITATION. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using the toilet. Remove contaminated clothing and wash separatly or before rewear.

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 sewage 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
REDUCING AGENT. Do not allow this product to come in contact with acids or oxidizing agents under conditions other than controlled feed to the system. Use only as directed. Gross mixing of this product with acids or oxidizing agents may cause evolution of hydrogen bromide gas which is poisonous and corrosive.

This product is not flammable. However, in fires fueled by other materials hydrogen bromide or bromine may be released.

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.

INSTRUCTIONS FOR NON-REFILLABLE CONTAINERS (5 GALLONS OR LESS)
Container Handling: Non-refillable container. Do not reuse or refill this container. Triple rinse (or equivalent) container promptly after emptying. Triple rinse as follows: Empty remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinse into application equipment or a mix tank or store rinse for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling, if available, or reconditioning, or puncture and dispose of in a sanitary landfill, or incinerate or burn, if allowed by local and state authorities. If burned, stay out of smoke.

NALCO
ACTI-BROM® 1338

CHLORINE ENHANCER & BIODispersANT

Hyperformic Acid Generating Source For Use in Utility and Industrial once Through and Recirculating Cooling Water Systems, Industrial Process Water, Air Washers, Brewery Pasteurizers and Retort Systems when used with a chlorine source

ACTIVE INGREDIENT:
Sodium Bromide: 42.8%
INERT INGREDIENTS: 57.2%

TOTAL: 100.0%

KEEP OUT OF REACH OF CHILDREN

CAUTION

FIRST AID
If swallowed:
• Call a poison control center or a doctor immediately for treatment advice.
• DO NOT INDUCE VOMITING.
• Do not give anything to drink.
If in eyes:
• Hold eye open and rinse slowly and gently with water for 15-20 minutes.
• After at least 15 minutes of rinsing or if it is judged that nearly all of the contamination has been removed. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.
• Call a poison control center or a doctor immediately for 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 a doctor for treatment advice.
If inhaled:
• Move person to fresh air.
• If person is not breathing, call 911 or an ambulance, and then give artificial respiration, preferably mouth-to-mouth if possible.
• Call a poison control center or a doctor for further treatment advice.

NOTE TO PHYSICIAN:
Aspiration may cause lung damage. Probable mucosal damage may contraindicate the use of gastric lavage.
Have the MSDS and, if available, the product container or label with you when calling a poison control center or a doctor, or going for treatment.

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

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 used with a chlorine source.

RECYCLING COOLING WATER SYSTEMS [INCLUDING INDUSTRIAL PROCESS WATER, AIR WASHERS, BREWERY PASTEURIZERS AND RETORT SYSTEMS]
When used as directed, ACTI-BROM 1338 helps to effectively control algae, bacterial and fungal slime, biofouling bacteria, baritimes and other pollutants in commercial and industrial cooling towers; influent water systems such as flow through filters; heat exchange water systems; and industrial water scrubbing systems.

DOSEAGE RATES: Add ACTI-BROM 1338 to the system at a 0.125 to 2.0 pounds of sodium bromide/chlorine source mole ratio. For example:
• 1.8 to 29.0 pounds of chlorine gas (99.9%) per gallon of sodium bromide solution.
• 1.4 to 23.2 gallons sodium hypochlorite (12.5% available chlorine) solution per gallon of sodium bromide solution.

INITIAL DOSE: When the system is noticeably fouled, add 0.0033 to 0.022 gallons of ACTI-BROM 1338 per 1000 gallons of water contained 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 (0.067 to 0.634 gallons of 12.5% sodium hypochlorite solution per 1000 gallons of contained water).

SUBSEQUENT DOSE: When microbial control is evident, add 0.0003 to 0.022 gallons of ACTI-BROM 1338 per 1000 gallons of water contained in the system, and oxidize with either gas chlorine (0.004 to 0.042 lbs. gas chlorine/1000 gals of contained water), or sodium hypochlorite solution(0.003 to 0.034 gallons of 12.5% sodium hypochlorite solution/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, biofouling bacteria, baritimes and other pollutants in a once-through fresh and sea water cooling systems and helps to disinfect secondary and tertiary waste-water treatment systems when used with a chlorine source.

DOSEAGE RATES: Add ACTI-BROM 1338 to the system at a 0.125 to 2.0 pounds of sodium bromide/chlorine source mole ratio. For example:
• 1.8 to 29.0 pounds of chlorine gas (99.9%) per gallon of sodium bromide solution.
• 1.4 to 23.2 gallons sodium hypochlorite (12.5% available chlorine) solution per gallon of sodium bromide solution.

INITIAL DOSE: When the system is noticeably fouled, add 0.0037 to 0.044 gallons of ACTI-BROM 1338 per 1000 gallons of water contained in the system, and oxidize with either gas chlorine (0.02 to 0.08 lbs. gas chlorine per 1000 gallons of contained volume), or sodium hypochlorite solution (0.02 to 0.07 gallons 12.5% sodium hypochlorite solution/1000 gallons of contained volume).

SUBSEQUENT DOSE: When microbial control is evident, add 0.0023 to 0.034 gallons ACTI-BROM 1338 per 1000 gallons of water contained in the system, and oxidize with either gas chlorine (0.008 to 0.042 lbs. gas chlorine/1000 gallons contained volume), or sodium hypochlorite solution (0.006 to 0.07 gallons 12.5% sodium hypochlorite solution per 1000 gallons of contained volume).

Treatement levels of this product and chlorine source can be measured with test kits for either bromine or chlorine. Tests must be made immediately after drawing water samples from the system. Use test kits according to directions.

When bromine test kit is used, results can be read directly as parts per million bromine.

1) When chlorine test kit is used, results can be read directly as parts per million bromine.

2) When a chlorine test kit is used, results can be expressed in terms of bromine by multiplying chlorine values by the conversion factor 2.25.

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 and Product Bulletin for feeding and dosage instructions.

EPA Reg. No. 1706-168
EPA Est. No. 1706-CA-1 (CR) EPA Est. No. 1706-JL-1 (BP)
EPA Est. No. 1706-FA-1 (EL) EPA Est. No. 1706-LA-1 (GV)
EPA Est. No. 1706-WA-1 (VW) EPA Est. No. 68708-TX-1 (SL)
EPA Est. No. 1706-CN-1 (BU)
Letter in ( ) that matches first letter in batch number identifies the establishment number.

Nalco Company
1601 West Diehl Road
Naperville, IL 60563-1198
EMERGENCY PHONE NO. (800) 424-9300

Net contents shown elsewhere on container

PRODUCT IS NOT REGULATED DURING TRANSPORTATION

Revised: 4/10/2013

NR5
PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION. HARMFUL IF SWALLOWED. HARMFUL IF ABSORBED THROUGH SKIN. CAUSES MODERATE EYE IRRITATION. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using the toilet. Remove contaminated clothing and wash before reuse.

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 local 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 allow this product to come in contact with acids or oxidizing agents under conditions other than controlled feed to the system. Use only as directed. Gross mixing of this product with acids or oxidizing agents may cause evolution of hydrogen bromide gas which is poisonous and corrosive.

This product is not flammable. However, in fires fueled by other materials hydrogen bromide or bromine may be released.

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 containers may be reconditioned. Typical areas include:

(Instructions for non-refillable containers greater than 5 gallons):
Container Handling: Non-refillable container. Do not reuse or refill this container. Triple rinse (or equivalent) container promptly after emptying. Triple rinse as follows: Empty remaining contents into application equipment or a mix tank. Fill the container ¾ 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 rinseate into application equipment or a mix tank or store rinseate for later use or disposal. Repeat this procedure two more times. Then offer for recycling, if available, or reconditioning, or puncture and dispose of in a sanitary landfill, or incinerate or burn, if allowed by state and local authorities. If burned, stay out of smoke.

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

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 used with a chlorine source.

RECYCLING COOLING WATER SYSTEMS [INCLUDING INDUSTRIAL PROCESS WATER, AIR WASHERS, BREWERY PASTEURIZERS AND RETORT SYSTEMS]
When used as directed, ACTI-BROM 1338 helps to effectively control algae, bacterial and fungal slime, aquatic clams, barnacles and other molluscs, in commercial and industrial cooling towers; influent water systems such as flow through filters; heat exchange water systems; and industrial water scrubbing systems.

DOSEAGE RATES: Add ACTI-BROM 1338 to the system at a 0.125 to 2.0 sodium bromide/chlorine source mole ratio. For example:
1. 1.8 to 29.0 pounds of chlorine gas (99.9%) per gallon of sodium bromide solution.
2. 1.4 to 23.2 gallons sodium hypochlorite (12.5% available chlorine) solution per gallon of sodium bromide solution.

INITIAL DOSE: When the system is noticeably fouled, add 0.0003 to 0.022 gallons of ACTI-BROM 1338/1000 gallons of water contained 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 0.00014 to 0.022 gallons of ACTI-BROM 1338 per 1000 gallons of water contained in the system, and oxidize with either gas chlorine (0.004 to 0.042 lbs. gas chlorine/1000 gallons of contained water), or sodium hypochlorite solution (0.003 to 0.034 gallons of 12.5% sodium hypochlorite solution/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, aquatic clams, barnacles and other molluscs in a once-through fresh and sea water cooling systems and helps to disinfect secondary and tertiary waste-water treatment systems when used with a chlorine source.

DOSEAGE RATES: Add ACTI-BROM 1338 to the system at a 0.125 to 2.0 sodium bromide/chlorine source mole ratio. For example:
1. 1.8 to 29.0 pounds of chlorine gas (99.9%) per gallon of sodium bromide solution.
2. 1.4 to 23.2 gallons sodium hypochlorite (12.5% available chlorine) solution per gallon of sodium bromide solution.

INITIAL DOSE: When the system is noticeably fouled, add 0.0007 to 0.044 gallons of ACTI-BROM 1338/1000 gallons of non-refillable container or mix tank, or store rinseate for later use, or disposal. Repeat this procedure two more times. Then offer for recycling, if available, or reconditioning, or puncture and dispose of in a sanitary landfill, or incinerate or burn, if allowed by state and local authorities. If burned, stay out of smoke.

NOTE TO PHYSICIAN:
Aspiration may cause lung damage. Probable mucosal damage may contribute to the use of gastric lavage.
Have the MSDS and, if available, the product container or label with you when calling a poison control center or a doctor or going for treatment.

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

NALCO Company
1601 West Diehl Road
Naperville, IL 60563-1198
EMERGENCY PHONE NO. (800) 424-9300

Net contents shown elsewhere on container

PRODUCT IS NOT REGULATED DURING TRANSPORTATION
PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION. HARMFUL IF SWALLOWED. HARMFUL IF ABSORBED THROUGH SKIN. CAUSES MODERATE EYE IRRITATION. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using the toilet. Remove contaminated clothing and wash separately before reuse.

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 local 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 allow this product to come in contact with acids or oxidizing agents under conditions other than controlled feed to the system. Use only as directed. Gross mixing of this product with acids or oxidizing agents may cause evolution of hydrogen bromide gas which is poisonous and corrosive. This product is not flammable. However, in fires fueled by other materials hydrogen bromide or bromine may be released.

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.

(Instructions for refillable containers:)
Container Handling: Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or 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. Then offer for recycling, if available, or reconditioning, or puncture and dispose of in a sanitary landfill, or incinerate or burn, if allowed by state and local authorities. If burned, stay out of smoke.

EPA Reg. No. 1706-168
EPA Est. No. 1706-CA-1 (CR) EPA Est. No. 1706-IL-1 (BP)
EPA Est. No. 1706-PA-1 (EL) EPA Est. No. 1706-LA-1 (GV)
EPA Est. No. 1706-WA-1 (VW) EPA Est. No. 68708-TX-1 (SL)
EPA Est. No. 1706-CN-1 (BU)
Letter in () that matches first letter in batch number identifies the establishment number.

PRODUCT IS NOT REGULATED DURING TRANSPORTATION

NALCO ACTI-BROM 1338
CHLORINE ENHANCER & BIODISPERSANT

Hydrobromic Acid Generating Source For Use in Utility and Industrial once Through and Recirculating Cooling Water Systems, Industrial Process Water, Air Washers, Brewery Pasteurizers and Retort Systems when used with a chlorine source

ACTIVE INGREDIENT:
Sodium Bromide.............................................................. 42.8%
INERT INGREDIENTS.................................................. 27.2%
Total................................................................. 100.0%

KEEP OUT OF REACH OF CHILDREN

CAUTION

FIRST AID
If swallowed:
• Call a poison control center or a doctor immediately for treatment advice.
• Do NOT induce vomiting.
• Do not give anything to drink.

If in eyes:
• Hold eye open and rinse slowly and gently with water for 15-20 minutes.
• After at least 15 minutes of rinsing or after it is judged that nearly all of the contamination has been removed. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.
• Call a poison control center or a doctor immediately for 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 a doctor for treatment advice.

If inhaled:
• Move person to fresh air.
• If person is not breathing, call 911 or an ambulance, and then give artificial respiration, preferably mouth-to-mouth if possible.
• Call a poison control center or a doctor for further treatment advice.

NOTE TO PHYSICIAN:
Aspiration may cause lung damage. Probable mucosal damage may contraindicate the use of gastric lavage.
Have the MSDS and, if available, the product container or label with you when calling a poison control center or a doctor, or going for treatment.

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

NALCO Company
1601 West Dichi Road
Naperville, Illinois 60563-1198
EMERGENCY PHONE NO. (800) 424-9300

Net contents shown elsewhere on container

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 hydrobromic acid when used with a chlorine source.

RECYCLING COOLING WATER SYSTEMS [INCLUDING INDUSTRIAL PROCESS WATER, AIR WASHERS, BREWERY PASTEURIZERS AND RETORT SYSTEMS]
When used as directed, ACTI-BROM 1338 helps to effectively control algae, bacterial and fungal slime, asatic clams, barnacles and other molluska, in commercial and industrial cooling towers, influent 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 0.125 to 2.0 sodium bromide/chlorine mole ratio. For example:
1) 1.8 to 29.0 pounds of chlorine gas (99.9%) per gallon of sodium bromide solution;
2) 1.4 to 23.2 gallons sodium hypochlorite (12.5% available chlorine) solution per gallon of sodium bromide solution.

INITIAL DOSE: When the system is noticeably fouled, add 0.0003 to 0.022 gallons of ACTI-BROM 1338/1000 gallons of water contained 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 0.00014 to 0.022 gallons of ACTI-BROM 1338 per 1000 gallons of water contained in the system, and oxidize with either gas chlorine (0.004 to 0.042 lbs. gas chlorine/1000 gallons of contained water), or sodium hypochlorite solution(0.003 to 0.034 gallons of 12.5% sodium hypochlorite solution/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, asatic clams, barnacles and other molluska in a once-through fresh and sea water cooling systems and helps to disinfect secondary and tertiary wastewater treatment systems when used with a chlorine source.

DOSAGE RATES: Add ACTI-BROM 1338 to the system at a 0.125 to 2.0 sodium bromide/chlorine source mole ratio. For example:
1) 1.8 to 29.0 pounds of chlorine gas (99.9%) per gallon of sodium bromide solution;
2) 1.4 to 23.2 gallons sodium hypochlorite (12.5% available chlorine) solution per gallon of sodium bromide solution.

INITIAL DOSE: When the system is noticeably fouled, add 0.0007 to 0.044 gallons of ACTI-BROM 1338/1000 gallons of water contained in the system, and oxidize with either gas chlorine (0.02 to 0.08 lbs. gas chlorine per 1000 gallons of contained volume), or sodium hypochlorite solution (0.07 to 0.07 gallons 12.5% sodium hypochlorite solution/1000 gallons of contained volume).

SUBSEQUENT DOSE: When microbial control is evident, add 0.0003 to 0.044 gallons ACTI-BROM 1338 per 1000 gallons of water contained in the system, and oxidize with either gas chlorine (0.008 to 0.042 lbs. gas chlorine/1000 gallons of contained volume), or sodium hypochlorite solution (0.006 to 0.07 gals 12.5% sodium hypochlorite solution per 1000 gallons of contained volume).

Treatment levels of this product and chlorine source can best be measured with test kits for either bromine or chlorine. Tests must be made immediately after drawing water samples from the system. Use test kits according to directions.

When bromine test kit is used, results can be read directly as parts per million bromine
1) When bromine test kit is used, results can be read directly as parts per million bromine
2) When a chlorine test kit is used, results can be expressed in terms of bromine by multiplying chlorine values by the conversion factor 2.25

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 and Product Bulletin for feeding and dosage instructions.

Revised: 4/10/2013
PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: HARMFUL IF SWALLOWED. HARMFUL IF ABSORBED THROUGH SKIN. CAUSES MODERATE EYE IRRITATION. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using the toilet. Remove contaminated clothing and wash separately before reuse.

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 local 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 allow this product to come in contact with acids or oxidizing agents under conditions other than controlled feed to the system. Use only as directed. Gross mixing of this product with acids or oxidizing agents may cause evolution of hydrogen bromide gas which is poisonous and corrosive.

This product is not flammable. However, in fires fueled by other materials hydrogen bromide or bromine may be released.

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.

[Instructions for refillable containers:]

Container Handling: Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or 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 rinse into application equipment or rinse collection system. Repeat this rinsing procedure two more times. Then offer for recycling, if available, or reconditioning, or puncture and dispose of in a sanitary landfill, or incinerate or burn, if allowed by state and local authorities. If burned, stay out of smoke.

EPA Reg. No. 1706-168
EPA Est. No. 1677-GA-1

Net contents shown elsewhere on container

Made in United States: 753638/2700/9/132

R

Revised: 4/10/2013

NALCO

ACTI-BROM® 1338

CHLORINE ENHANCER & BIODISPERSANT

Hypohalous Acid Generating Source For Use in Utility and Industrial once Through and Recirculating Water Systems, Industrial Process Water, Air Washers, Brewery Pasteurizers and Retort Systems when used with a chlorine source

ACTIVE INGREDIENT: Sodium Bromide

42.8%

INSERT INGREDIENT: Sodium Chloride

67.2%

Total: 100.0%

KEEP OUT OF REACH OF CHILDREN

CAUTION

FIRST AID

If swallowed:

Call a poison control center or a doctor immediately for treatment advice.

DO NOT INDUCE VOMITING.

Do not give anything to drink.

If in eyes:

Hold eye open and rinse slowly and gently with water for 15-20 minutes.

After at least 15 minutes of rinsing or after it is judged that nearly all of the contamination has been removed. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.

Call a poison control center or a doctor immediately for 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 a doctor for treatment advice.

If inhaled:

Move person to fresh air.

If person is not breathing, call 911 or an ambulance, and then give artificial respiration, preferably mouth-to-mouth if possible.

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

NOTE TO PHYSICIAN:

Aspiration may cause lung damage. Probable mucosal damage may contraindicate the use of gastric lavage.

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

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

Nalco Company
1601 West Diehl Road
Naperville, IL 60563-1198
EMERGENCY PHONE NO. (800) 424-9300

PRODUCT IS NOT REGULATED DURING TRANSPORTATION

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 hypohalous acid when used with a chlorine source.

RECYCLING COOLING WATER SYSTEMS [INCLUDING INDUSTRIAL PROCESS WATER, AIR WASHERS, BREWERY PASTEURIZERS AND REOT SYSTEMS]

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

DOSEAGE RATES: Add ACTI-BROM 1338 to the system at a 0.25 to 2.0 sodium bromide/chlorine source mole ratio. For example:

1) 1.8 to 29.0 pounds of chlorine gas (99.9%) per gallon of sodium bromide solution.

2) 1.4 to 23.2 gallons sodium hypochlorite (12.5% available chlorine) solution per gallon of sodium bromide solution.

INITIAL DOSE: When the system is noticeably fouled, add 0.0003 to 0.022 gallons of ACTI-BROM 1338 to 1000 gallons of water contained 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 lbs. of 12.5% sodium hypochlorite solution per 1000 gals of contained water).

SUBSEQUENT DOSE: When microbial control is evident, add 0.001 to 0.022 gallons of ACTI-BROM 1338 per 1000 gallons of water contained in the system, and oxidize with either gas chlorine (0.004 to 0.042 lbs. gas chlorine/1000 gallons of contained water), or sodium hypochlorite solution (0.003 to 0.034 lbs. of 12.5% sodium hypochlorite solution/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, asitic clams, barnacles and other mollusks in a once-through fresh and sea water cooling systems and helps to displace secondary and tertiary water-waste treatment systems when used with a chlorine source.

DOSEAGE RATES: Add ACTI-BROM 1338 to the system at a 0.25 to 2.0 sodium bromide/chlorine source mole ratio. For example:

1) 1.8 to 29.0 pounds of chlorine gas (99.9%) per gallon of sodium bromide solution.

2) 1.4 to 23.2 gallons sodium hypochlorite (12.5% available chlorine) solution per gallon of sodium bromide solution.

INITIAL DOSE: When the system is noticeably fouled, add 0.0007 to 0.044 gallons of ACTI-BROM 1338 to 1000 gallons of water contained in the system, and oxidize with either gas chlorine (0.02 to 0.08 lbs. gas chlorine per 1000 gallons of contained volume), or sodium hypochlorite solution (0.02 to 0.07 gallons 12.5% sodium hypochlorite solution/1000 gallons of contained volume).

SUBSEQUENT DOSE: When microbial control is evident, add 0.003 to 0.044 gallons ACTI-BROM 1338 per 1000 gallons of water contained in the system, and oxidize with either gas chlorine (0.068 to 0.08 lbs. gas chlorine/1000 gallons of contained volume), or sodium hypochlorite solution (0.006 to 0.037 gals 12.5% sodium hypochlorite solution per 1000 gallons of contained volume).

Treatment levels of this product and chlorine source can best be measured with test kits for either bromine or chlorine. Tests must be made immediately after drawing water samples from the system. Use test kits according to directions.

When bromine test kit is used, results can be read directly as parts per million bromine.

1) When bromine test kit is used, results can be read directly as parts per million bromine.

2) When a chlorine test kit is used, results can be expressed in terms of bromine by multiplying chlorine values by the conversion factor 2.25.

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 and Product Bulletin for feeding and dosage instructions.