



# NALCO 7320

A MICROORGANISM CONTROL CHEMICAL FOR CONTROL OF BACTERIA, FUNGI, AND ALGAE IN INDUSTRIAL RECIRCULATING WATER COOLING TOWER SYSTEMS; AND CONTROLS SLIME-FORMING BACTERIA AND FUNGI IN AIR WASHER SYSTEMS AND BREWERY PASTEURIZERS.

FOR INDUSTRIAL USE

**ACTIVE INGREDIENT:**

2,2-Dibromo-3-nitrolopropionamide.....	20%
INERT INGREDIENTS.....	80%
TOTAL.....	100%

Weight/gallon=10.6 pounds

## KEEP OUT OF REACH OF CHILDREN DANGER

### 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.
- Call a poison control center or a doctor immediately 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.

**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 by a poison control center or doctor.
- Do not give anything by mouth to an unconscious person.

**If on skin:**

- 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.

**NOTE TO PHYSICIAN:**

Aspiration may cause lung damage. Probable mucosal damage may contraindicate the use of gastric lavage. Have the product container or label with you when calling a poison control center or doctor or going to treatment.

For emergency information on 7320 call the **National Pesticides Information Center** at 1-800-858-7378, 6:30 AM to 4:30 PM Pacific time (PT), seven days a week. During other times, call the poison control center 1-800-222-1222.

### PRECAUTIONARY STATEMENTS

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**DANGER. CORROSIVE:** Causes irreversible eye damage. May be fatal if inhaled or swallowed. Causes skin irritation. Do not get in eyes, on skin or on clothing. Do not breathe dust. When loading or handling wear protective eyewear (goggles or face shield), long-sleeved shirt and long pants, socks, shoes, chemically resistant gloves and a NIOSH approved respirator. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing separated from other before reuse.

#### ENVIRONMENTAL HAZARDS

This product is toxic to fish. Apply this product only as specified on this label. 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.

### PERSONAL PROTECTIVE EQUIPMENT

*Applicators and other handlers must wear:* coveralls over long-sleeved shirt and long pants, socks and chemical-resistant footwear, goggles or face shield, and chemical resistant gloves (such as barrier laminate or butyl nitrile/neoprene rubber, PVC, or viton).

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PE separately from other laundry.

#### User Safety Requirements

Users must wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Users must remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Users must remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

#### Application Restrictions:

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

#### Engineering Controls:

When handlers use closed metering systems the handler requirements may be reduced or modified to long-sleeve shirt, long pants, shoes and socks.

### DIRECTIONS FOR USE

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

NOTE: ADD 7320 SEPARATELY TO THE SYSTEM. Do not mix it with other additives, in order to avoid decomposition of 7320 due to high pH of many additive formulations. **BADLY FOULED SYSTEMS MUST BE CLEANED BEFORE TREATMENT IS BEGUN.**

#### INDUSTRIAL RECIRCULATING WATER COOLING TOWERS AND INDUSTRIAL PROCESS WATER SYSTEMS

(Such as: pretreatment systems and process waters used for washing metal or plastic parts and /or paint reduction)

#### PROCESS WATER SYSTEM USES NOT CURRENTLY AUTHORIZED IN CA.

Add 7320 to the basin (or other point of uniform mixing). Addition must be made with a metering pump; it may be continuous or intermittent depending on the severity of the contamination when treatment is begun, and the retention time in the system. Optimum performance with this product is attained by continuous or intermittent treatment. If "shock" treatment is used, blowdown is discontinued for 24-48 hours.

#### FOR THE CONTROL OF BACTERIA

INTERMITTENT OR SLUG METHOD – INITIAL DOSE: When the system is noticeably fouled, add 0.0048-0.0095 gallon 7320 per 1000 gallon of water in the system. Repeat until control is achieved. SUBSEQUENT DOSE: When microbial control is evident, add 0.0024-0.0095 gallon 7320 per of water in the system every four days or as needed to maintain control.

CONTINUOUS FEED METHOD – INITIAL DOSE: When the system is noticeably fouled, add 0.0048-0.0095 gallon 7320 per 1000 gallon of water to the system.

SUBSEQUENT DOSE: Maintain level by pumping a continuous feed of 0.00095-0.0048 gallon 7320 per 1000 gallon of water in system/day.

#### FOR CONTROL OF FUNGI AND ALGAE

INTERMITTENT OR SLUG METHOD – INITIAL DOSE: When the system is noticeably fouled add 0.048-0.095 gallon of 7320 per 1000 gallon of water in the system. Repeat until control is achieved.

SUBSEQUENT DOSE: When microbial control is evident, add 0.029-0.095 gallon 7320 per 1000 gallon of water in the system daily, or as needed to maintain control.

CONTINUOUS FEED METHOD – INITIAL DOSE: When the system is noticeably fouled add 0.048-0.095 gallon 7320 per 1000 gallon of water in the system.

SUBSEQUENT DOSE: Maintain treatment level by pumping a steady feed of 0.029-0.095 gallon 7320 per 1000 gallon of water in the system per day.

#### AIR WASHER SYSTEMS

NOTE: For use only in industrial air washer systems that maintain effective mist eliminating components.

INTERMITTENT OR SLUG METHOD – INITIAL DOSE: When the system is noticeably fouled, add 0.003-0.095 gallon 7320 per 1000 gallon of water in the system. Repeat until control is achieved.

SUBSEQUENT DOSE: When microbial control is evident, add 0.0015-0.047 gallon 7320 per 1000 gallon of water in the system daily, or as needed to maintain control.

CONTINUOUS FEED METHOD – INITIAL DOSE: When the system is noticeably fouled add 0.003-0.095 gallon 7320 per 1000 gallon of water in the system.

SUBSEQUENT DOSE: Maintain treatment level by pumping a steady feed of 0.0015-0.047 gallon 7320 per 1000 gallon of water in the system per day.

### Directions for Use (Continued)

#### BREWERY PASTEURIZERS

For control of bacterial and fungal growths in brewery pasteurizers, add 0.15-0.25 gallon Nalco 7320 per 1000 gallon of system water (150-250 ppm). Repeat as necessary to maintain control. Optimum performance with this product is attained by continuous or intermittent treatment.

#### FOR CONTROL OF BACTERIAL FOULING

**BADLY FOULED SYSTEMS MUST BE CLEANED BEFORE TREATMENT IS BEGUN. AFTER CLEANING, FLUSH SYSTEM WITH PERMEATE TO REMOVE ANY RESIDUAL CLEANER.FOR CONTROL OF BACTERIAL FOULING**

For controlling bacterial fouling of ultra filtration units, non-medical or non-potable reverse osmosis membranes and peripheral systems [where approved for compatibility by the membrane manufacturer or demonstrated by other means to be compatible], add this product to the system inlet water or before any other contaminated area ahead of the Reverse Osmosis or Ultra-filtration unit. Addition must be made with a metering pump on an intermittent basis depending on the severity of contamination when treatment is begun, and the guidelines specified by the membrane manufacturer or demonstrated by other means to be compatible. During use of this product for ultrafiltration units and reverse osmosis membranes, both permeate and reject water must be directed to the drain. Once treatment has been completed, rinsing with feedwater must be continued until conductivity values in the permeate are at or below values before treatment with this product.

INITIAL DOSE: When the system is noticeably fouled, add 0.05-0.1 gal Nalco 7320 / 1000 gal of feedwater (50-100 ppm). Repeat until control is achieved or as specified by guidelines recommended by the membrane manufacturer or demonstrated by other means to be compatible. Minimum contact time must be 15 minutes.

SUBSEQUENT DOSE: When microbial control is evident, add 0.025-0.1 gal Nalco 7320/1000 gal of feedwater (24-100 ppm) as needed to maintain control or as specified by guidelines recommended by the membrane manufacturer or demonstrated by other means to be compatible.

#### METALWORKING FLUIDS CONTAINING WATER

This product is effective in metalworking fluid concentrates which have been diluted in water at ratios of 1:100 to 1:4.

For controlling (or inhibiting) the growth of bacteria, fungi, and yeast that may deteriorate metalworking fluids containing water, add Nalco 7320 to the fluid collection tank. Additions must be made with a metering pump.

INITIAL OR SLUG DOSE: When the system is just noticeably fouled, add 0.25 gallons Nalco 7320 per 1000 gallons of metalworking fluid to the system. Repeat until control is achieved.

SUBSEQUENT DOSE: When microbial control is evident, add 0.1-0.2 gallons Nalco 7320 per 1000 gallons of metalworking fluid per day, or as needed to maintain control. Additions can be made continuously or intermittently. Slug the system as required.

**NOTE:** Add Nalco 7320 separately to the system. Do not mix it with other additives, in order to avoid decomposition of Nalco 7320 due to the high pH of many additive formulations.

Notice: Do not ship or store with foods, feeds, drugs or clothing.

#### STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited.

PESTICIDE STORAGE: To maintain product quality, store at temperatures below 60°C. Keep container tightly closed when not in use.

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 according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Non-refillable container. Do not reuse or refill this container. Offer for recycling, if available. 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 ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate 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 by other procedure approved by state and local authorities.

EPA EST. NO. 1706-CA-1  
EPA EST. NO. 1706-CN-1  
EPA EST. NO. 1706-IL-1

#### EPA REG. NO. 1706-138

EPA EST. NO. 1706-LA-01  
EPA EST. NO. 1706-PA-01  
EPA EST. NO. 1706-WA-01

Nalco Company  
1601 West Diehl Road  
Naperville, IL 60563-1198

**Emergency Phone No.: (800) 424-9300**

NET CONTENTS SHOWN ELSEWHERE ON CONTAINER.



Revised: 10/28/10

UN 3265, CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (2,2-Dibromo-3-Nitrolopropionamide), 8, III



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### 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.
- Call a poison control center or a doctor immediately 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.

**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 by a poison control center or doctor.
- Do not give anything by mouth to an unconscious person.

**If on skin:**

- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15-20 minutes.
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**NOTE TO PHYSICIAN:**

Aspiration may cause lung damage. Probable mucosal damage may contraindicate the use of gastric lavage. Have the product container or label with you when calling a poison control center or doctor or going to treatment.

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**LICENSED**

PERIOD **2014-2016** LIC. NO.



**LICENSED**

**9323.83**

PERIOD **2011-2013** LIC. NO.

### PERSONAL PROTECTIVE EQUIPMENT

Applicators and other handlers must wear: coveralls over long-sleeved shirt and long pants, socks and chemical-resistant footwear, goggles or face shield, and chemical resistant gloves (such as barrier laminate or butyl nitrile/neoprene rubber, PVC, or viton).

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PE separately from other laundry.

### User Safety Requirements

Users must wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Users must remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Users must remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

### Application Restrictions:

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

### Engineering Controls:

When handlers use closed metering systems the handler requirements may be reduced or modified to long-sleeve shirt, long pants, shoes and socks.

### DIRECTION FOR USE

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

NOTE: ADD 7320 SEPARATELY TO THE SYSTEM. Do not mix it with other additives, in order to avoid decomposition of 7320 due to high pH of many additive formulations. **BADLY FOULED SYSTEMS MUST BE CLEANED BEFORE TREATMENT IS BEGUN.**

### INDUSTRIAL RECIRCULATING WATER COOLING TOWERS AND INDUSTRIAL PROCESS WATER SYSTEMS

(Such as: pretreatment systems and process waters used for washing metal or plastic parts and /or paint reduction)

#### PROCESS WATER SYSTEM USES NOT CURRENTLY AUTHORIZED IN CA.

Add 7320 to the basin (or other point of uniform mixing). Addition must be made with a metering pump; it may be continuous or intermittent depending on the severity of the contamination when treatment is begun, and the retention time in the system. Optimum performance with this product is attained by continuous or intermittent treatment. If "shock" treatment is used, blowdown is discontinued for 24-48 hours.

#### FOR THE CONTROL OF BACTERIA

INTERMITTENT OR SLUG METHOD – INITIAL DOSE: When the system is noticeably fouled, add 0.0048-0.0095 gallon 7320 per 1000 gallon of water in the system. Repeat until control is achieved. SUBSEQUENT DOSE: When microbial control is evident, add 0.0024-0.0095 gallon 7320 per of water in the system every four days or as needed to maintain control.

CONTINUOUS FEED METHOD – INITIAL DOSE: When the system is noticeably fouled, add 0.0048-0.0095 gallon 7320 per 1000 gallon of water to the system. SUBSEQUENT DOSE: Maintain level by pumping a continuous feed of 0.00095-0.0048 gallon 7320 per 1000 gallon of water in system/day.

#### FOR CONTROL OF FUNGI AND ALGAE

INTERMITTENT OR SLUG METHOD – INITIAL DOSE: When the system is noticeably fouled add 0.048-0.095 gallon of 7320 per 1000 gallon of water in the system. Repeat until control is achieved. SUBSEQUENT DOSE: When microbial control is evident, add 0.029-0.095 gallon 7320 per 1000 gallon of water in the system daily, or as needed to maintain control.

CONTINUOUS FEED METHOD – INITIAL DOSE: When the system is noticeably fouled add 0.048-0.095 gallon 7320 per 1000 gallon of water in the system. SUBSEQUENT DOSE: Maintain treatment level by pumping a steady feed of 0.029-0.095 gallon 7320 per 1000 gallon of water in the system per day.

#### AIR WASHER SYSTEMS

NOTE: For use only in industrial air washer systems that maintain effective mist eliminating components. INTERMITTENT OR SLUG METHOD – INITIAL DOSE: When the system is noticeably fouled, add 0.003-0.095 gallon 7320 per 1000 gallon of water in the system. Repeat until control is achieved. SUBSEQUENT DOSE: When microbial control is evident, add 0.0015-0.047 gallon 7320 per 1000 gallon of water in the system daily, or as needed to maintain control. CONTINUOUS FEED METHOD – INITIAL DOSE: When the system is noticeably fouled add 0.003-0.095 gallon 7320 per 1000 gallon of water in the system. SUBSEQUENT DOSE: Maintain treatment level by pumping a steady feed of 0.0015-0.047 gallon 7320 per 1000 gallon of water in the system per day.

#### EPA REG. NO. 1706-138

EPA EST. NO. 1706-CA-1  
EPA EST. NO. 1706-CN-1  
EPA EST. NO. 1706-IL-1

EPA EST. NO. 1706-LA-01  
EPA EST. NO. 1706-PA-01  
EPA EST. NO. 1706-WA-01

### Directions for Use (Continued)

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#### FOR CONTROL OF BACTERIAL FOULING

**BADLY FOULED SYSTEMS MUST BE CLEANED BEFORE TREATMENT IS BEGUN. AFTER CLEANING, FLUSH SYSTEM WITH PERMEATE TO REMOVE ANY RESIDUAL CLEANER.FOR CONTROL OF BACTERIAL FOULING**

For controlling bacterial fouling of ultra filtration units, non-medical or non-potable reverse osmosis membranes and peripheral systems [where approved for compatibility by the membrane manufacturer or demonstrated by other means to be compatible], add this product to the system inlet water or before any other contaminated area ahead of the Reverse Osmosis or Ultra-filtration unit. Addition must be made with a metering pump on an intermittent basis depending on the severity of contamination when treatment is begun, and the guidelines specified by the membrane manufacturer or demonstrated by other means to be compatible. During use of this product for ultrafiltration units and reverse osmosis membranes, both permeate and reject water must be directed to the drain. Once treatment has been completed, rinsing with feedwater must be continued until conductivity values in the permeate are at or below values before treatment with this product.

INITIAL DOSE: When the system is noticeably fouled, add 0.05-0.1 gal Nalco 7320 / 1000 gal of feedwater (50-100 ppm). Repeat until control is achieved or as specified by guidelines recommended by the membrane manufacturer or demonstrated by other means to be compatible. Minimum contact time must be 15 minutes.

SUBSEQUENT DOSE: When microbial control is evident, add 0.025-0.1 gal Nalco 7320/1000 gal of feedwater (24-100 ppm) as needed to maintain control or as specified by guidelines recommended by the membrane manufacturer or demonstrated by other means to be compatible.

#### METALWORKING FLUIDS CONTAINING WATER

This product is effective in metalworking fluid concentrates which have been diluted in water at ratios of 1:100 to 1:4.

For controlling (or inhibiting) the growth of bacteria, fungi, and yeast that may deteriorate metalworking fluids containing water, add Nalco 7320 to the fluid collection tank. Additions must be made with a metering pump.

INITIAL OR SLUG DOSE: When the system is just noticeably fouled, add 0.25 gallons Nalco 7320 per 1000 gallons of metalworking fluid to the system. Repeat until control is achieved.

SUBSEQUENT DOSE: When microbial control is evident, add 0.1-0.2 gallons Nalco 7320 per 1000 gallons of metalworking fluid per day, or as needed to maintain control. Additions can be made continuously or intermittently. Slug the system as required.

**NOTE:** Add Nalco 7320 separately to the system. Do not mix it with other additives, in order to avoid decomposition of Nalco 7320 due to the high pH of many additive formulations. Notice: Do not ship or store with foods, feeds, drugs or clothing.

#### STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited.

PESTICIDE STORAGE: To maintain product quality, store at temperatures below 60°C. Keep container tightly closed when not in use.

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 according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Non-refillable container. Do not reuse or refill this container. Offer for recycling, if available. 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 ¼ 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 rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Repeat this procedure two more times. Then offer for recycling, if available, or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedure approved by state and local authorities.

Nalco Company  
1601 West Diehl Road  
Naperville, IL 60563-1198

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SUBSEQUENT DOSE: When microbial control is evident, add 0.0024-0.0095 gallon 7320 per of water in the system every four days or as needed to maintain control.

CONTINUOUS FEED METHOD – INITIAL DOSE: When the system is noticeably fouled, add 0.0048-0.0095 gallon 7320 per 1000 gallon of water to the system.

SUBSEQUENT DOSE: Maintain level by pumping a continuous feed of 0.00095-0.0048 gallon 7320 per 1000 gallon of water in system/day.

#### FOR CONTROL OF FUNGI AND ALGAE

INTERMITTENT OR SLUG METHOD – INITIAL DOSE: When the system is noticeably fouled add 0.048-0.095 gallon of 7320 per 1000 gallon of water in the system. Repeat until control is achieved.

SUBSEQUENT DOSE: When microbial control is evident, add 0.029-0.095 gallon 7320 per 1000 gallon of water in the system daily, or as needed to maintain control.

CONTINUOUS FEED METHOD – INITIAL DOSE: When the system is noticeably fouled add 0.048-0.095 gallon 7320 per 1000 gallon of water in the system.

SUBSEQUENT DOSE: Maintain treatment level by pumping a steady feed of 0.029-0.095 gallon 7320 per 1000 gallon of water in the system per day.

#### AIR WASHER SYSTEMS

NOTE: For use only in industrial air washer systems that maintain effective mist eliminating components.

INTERMITTENT OR SLUG METHOD – INITIAL DOSE: When the system is noticeably fouled, add 0.003-0.095 gallon 7320 per 1000 gallon of water in the system. Repeat until control is achieved.

SUBSEQUENT DOSE: When microbial control is evident, add 0.0015-0.047 gallon 7320 per 1000 gallon of water in the system daily, or as needed to maintain control.

CONTINUOUS FEED METHOD – INITIAL DOSE: When the system is noticeably fouled add 0.003-0.095 gallon 7320 per 1000 gallon of water in the system.

SUBSEQUENT DOSE: Maintain treatment level by pumping a steady feed of 0.0015-0.047 gallon 7320 per 1000 gallon of water in the system per day.

### Directions for Use (Continued)

#### FOR CONTROL OF BACTERIAL FOULING

**BADLY FOULED SYSTEMS MUST BE CLEANED BEFORE TREATMENT IS BEGUN. AFTER CLEANING, FLUSH SYSTEM WITH PERMEATE TO REMOVE ANY RESIDUAL CLEANER.FOR CONTROL OF BACTERIAL FOULING**

For controlling bacterial fouling of ultra filtration units, non-medical or non-potable reverse osmosis membranes and peripheral systems [where approved for compatibility by the membrane manufacturer or demonstrated by other means to be compatible], add this product to the system inlet water or before any other contaminated area ahead of the Reverse Osmosis or Ultra-filtration unit. Addition must be made with a metering pump on an intermittent basis depending on the severity of contamination when treatment is begun, and the guidelines specified by the membrane manufacturer or demonstrated by other means to be compatible. During use of this product for ultrafiltration units and reverse osmosis membranes, both permeate and reject water must be directed to the drain. Once treatment has been completed, rinsing with feedwater must be continued until conductivity values in the permeate are at or below values before treatment with this product.

INITIAL DOSE: When the system is noticeably fouled, add 0.05-0.1 gal Nalco 7320 / 1000 gal of feedwater (50-100 ppm). Repeat until control is achieved or as specified by guidelines recommended by the membrane manufacturer or demonstrated by other means to be compatible. Minimum contact time must be 15 minutes.

SUBSEQUENT DOSE: When microbial control is evident, add 0.025-0.1 gal Nalco 7320/1000 gal of feedwater (24-100 ppm) as needed to maintain control or as specified by guidelines recommended by the membrane manufacturer or demonstrated by other means to be compatible.

#### METALWORKING FLUIDS CONTAINING WATER

This product is effective in metalworking fluid concentrates which have been diluted in water at ratios of 1:100 to 1:4.

For controlling (or inhibiting) the growth of bacteria, fungi, and yeast that may deteriorate metalworking fluids containing water, add Nalco 7320 to the fluid collection tank. Additions must be made with a metering pump.

INITIAL OR SLUG DOSE: When the system is just noticeably fouled, add 0.25 gallons Nalco 7320 per 1000 gallons of metalworking fluid to the system. Repeat until control is achieved.

SUBSEQUENT DOSE: When microbial control is evident, add 0.1-0.2 gallons Nalco 7320 per 1000 gallons of metalworking fluid per day, or as needed to maintain control. Additions can be made continuously or intermittently. Slug the system as required.

**NOTE:** Add Nalco 7320 separately to the system. Do not mix it with other additives, in order to avoid decomposition of Nalco 7320 due to the high pH of many additive formulations.

Notice: Do not ship or store with foods, feeds, drugs or clothing.

#### STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited. PESTICIDE STORAGE: To maintain product quality, store at temperatures below 60°C. Keep container tightly closed when not in use.

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 according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: 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. Repeat this procedure two more times. Then offer for recycling, if available, or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedure approved by state and local authorities.

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EPA EST. NO. 1706-CA-1  
EPA EST. NO. 1706-CN-1  
EPA EST. NO. 1706-IL-1

EPA EST. NO. 1706-LA-01  
EPA EST. NO. 1706-PA-01  
EPA EST. NO. 1706-WA-01

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Naperville, IL 60563-1198  
**Emergency Phone No.: (800) 424-9300**

NET CONTENTS SHOWN ELSEWHERE ON CONTAINER.



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UN 3265, CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (2,2-Dibromo-3-Nitropropionamide), 8, III