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.

**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 any clothing soaked in the 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.

**DIRECTIONS FOR USE**

**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.

**If on skin:**

- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove any clothing soaked in the product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

**If swallowed:**

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

**DANGER**

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. NOTE: ADD 7320 to an industrial water recirculating system. INDUSTRIAL RECYCLING WATER COOLING TOWER SYSTEMS; AND CONTROLS SLIME-FORMING BACTERIA AND FUNGI IN AIR WASHER SYSTEMS AND BREWERY PASTEURIZERS.

**Weight/gallon=10.6 pounds**

**FACTORS TO CONSIDER**

**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. Repeat until treatment is achieved.

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

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

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

Do not mix it with other additives, in order to avoid decomposition of 7320 due to the high pH of many additive formulations.

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

**STORAGE AND DISPOSAL**

Do not contain water, food, or feed into which pesticide is being applied. A water discharge elimination system (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product into water 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

Applicants and other handlers must wear: coveralls over long sleeve long pants and socks, and chemical-resistant footwears, gloves 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 PPE separate from other laundry, 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 permitting authority. For guidance, contact your State Water Board or Regional Office of the EPA.

Safety Requirements

Users must wash hands before eating, drinking, chewing gum, or using tobacco. Do not eat, drink, chew gum, or use tobacco. Remove and wash contaminated clothing separated from other before reuse.

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 chemicals, as this may result in the formation of substances that are toxic or incompatible. BADLY FOULED SYSTEMS MUST BE CLEANED BEFORE TREATMENT IS BEGIN. INTERMITTENT OR SLUG METHOD – INITIAL DOSE: When the system is noticeably fouled, add 0.05-0.1 gal Nalco 7320 / 1000 gal of feedwater. Repeat until control is achieved. SUBSEQUENT DOSE: When microbial control is evident, add 0.025-0.075 gal Nalco 7320/1000 gal of water in the system per day. Metering pump. INITIAL OR SLUG DOSE: When the system is just noticeably fouled, add 0.25 gallons Nalco 7320 per 1000 gallons of water in the system. SUBSEQUENT DOSE: When microbial control is evident, add 0.1-0.2 gallons Nalco 7320 per 1000 gallons of water in the system per day. Do not mix with other additives, in order to avoid decomposition of 7320 due to the high pH of many additive formulations.

WARNING:

This product is toxic to fish. Apply this product only as specified on this label. Do not contaminate water by cleaning or swamping equipment,除非得到适当的处理, this product containing this product into lakes, reservoirs, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NDPES) permit and the permitting authority has been notified in written 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.

DIRECTIONS FOR USE (Continued)

BREWERY PASTEURIZERS

For control of bacterial and fungal growths in brewery pasteurizers, add 0.15-0.25 gal Nalco 7230 per 1000 gallon of system water (150-250 ppm). Repeat until control is achieved. 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 BEGIN. 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 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 contaminants area ahead of the Reverse Osmosis or Ultra-filtration unit. Add must be with a metering pump on an intermittent basis depending on the severity of contamination. This treatment is began, and the retention time in the system. Optimum performance with this product is attained by continuous or intermittent treatment. If “shock” addition is achieved, continue with feedwater 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 is 15 minutes. SUBSEQUENT DOSE: When microbial control is evident, add 0.025-0.075 gal Nalco 7320/1000 gal of water (24-48 ppm) to maintain control or as specified by guidelines recommended by the membrane manufacturer or demonstrated by other means to be compatible. Additions must be made continuously or intermittently. Subsequent dose to the system is required. Do not mix it with other additives, in order to avoid decomposition of 7320 due to the high pH of many additive formulations.

METALWORKING FLUIDS CONTAINING WATER

This product is effective in metalworking fluid concentrates which have been diluted in water at ratios of 1:10 to 1:4.

For controlling (or inhibiting) the growth of bacteria, fungi, and yeast that may deteriorate metalworking fluids containing water, add Nalco 7230 to the fluid collection tank. Additions must be made with a metering pump.

INITIAL OR SLUG DOSE: When the system is noticeably fouled, add 0.25 gallons Nalco 7320 per 1000 gallons of water in the system. SUBSEQUENT DOSE: When microbial control is evident, add 0.1-0.2 gallons Nalco 7320 per 1000 gallons of water in the system per day. Do not mix with other additives, in order to avoid decomposition of 7320 due to the high pH of many additive formulations.

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

STORAGE AND DISPOSAL

Do not contaminate food or water, or contaminate equipment, feed containers or any other equipment that might contact the water, food, or feed. Open dumping is prohibited.

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

PESTICIDE DISPOSAL: Pesticide wastes are usually 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 permitting authority. For guidance, contact your State Water Board or Regional Office of the EPA.

CONTAINER DISPOSAL: Non-refillable containers. 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 ½ full with water. Replace and tighten closures. This container may be sent to a near adjacent sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

System Water (see table below)
An employee must wear proper PPE, such as protective clothing, gloves, and safety glasses, when handling the product. The NALCO 7320 product is intended for use in industrial water treatment systems, particularly those involving ultraviolet light (UV) systems and microfiltration membranes. For use in systems where the water is to be re-used, it is recommended to use a metering pump to ensure consistent and accurate dosing.

**User Safety Requirements**

- **Personal Protective Equipment (PPE):** Applicators and other handlers must wear appropriate PPE, including gloves, safety glasses, and protective clothing.
- **First Aid:** If inhaled, move the exposed person to fresh air. If skin or eye contact occurs, flush with water. If swallowed, seek medical attention immediately.

**Controlled Substances:**

- **International Convention:** This product is controlled under the United Nations Convention on the Control of Certain Toxic or危险ous Chemicals in International Trade (CWC).
- **Domestic Regulation:** The product is subject to regulation under the Toxic Substances Control Act (TSCA) in the United States.

**Disposal:**

- **Waste Management:** The product must be disposed of in accordance with local, state, and federal regulations. Contact the appropriate authorities for disposal instructions.
- **Labeling:** The product must be properly labeled to ensure safe handling and disposal.

**Material Safety Data Sheet (MSDS):**

- **Emergency Information:** The MSDS contains information on the physical, chemical, and health effects of the product, as well as first aid procedures and disposal instructions.

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**For more information, contact Nalco Company, 720 N. Canal Street, Chicago, IL 60606-1198, or call 1-800-424-9300.**

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**Revised: 05/19/2017**