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 eyes. • Call a poison control center or a doctor 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 swallowed:	• Call a poison control center or a doctor immediately for treatment advice. • DO NOT INDUCE VOMITING. • Do not give anything to drink.
If inhaled:	• Move 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 product container, label or MSDS with you when calling a poison control center or a doctor, or going for treatment. For medical or environmental emergencies, call CHEMTREC® at 1-800-424-9300.

Chem-Aqua 42171 is an effective agent for controlling algae, bacteria, and slime in condensing and cooling equipment in which recirculating water is used as the cooling media and in lined reservoirs or ponds which serve as the source of boiler feedwater or cooling water. Chem-Aqua 42171 can also be used to control bacterial slime and algae in decorative fountains, air washers, pasteurizers, paper mill influent water systems, and oilfield water recovery systems.

DIRECTIONS FOR USE
It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

BASIC GUIDELINES: As a general rule, the total bromine level should be checked with a chlorine or bromine test kit at the bleed-off point furthest from the point of injection. This product is UV light sensitive, and may be applied at nighttime in most systems if excessive exposure may be a limiting factor. Do not store product in clear or transparent containers.

Initial dose: When the system is noticeably fouled, a precleaning may be necessary. Then apply sufficient Chem-Aqua 42171 to achieve 2.4-15 ppm total bromine (1-6.6 ppm as chlorine) or as needed to maintain microbial or algal control.

Subsequent doses: This product may be added using continuous or intermittent dosing methods to provide adequate control. Continuous addition methods may obtain adequate control at lower total bromine levels than suggested above. Always adjust levels of total bromine accordingly to maintain desired visual or measured microbiological control.

INDUSTRIAL & COMMERCIAL RECIRCULATING COOLING WATER, HEAT TRANSFER SYSTEMS and PASTEURIZERS (Such as Evaporative Condensers, Hydrostatic Sterilizers and Retorts, Dairy Sweetwater Systems, Food and Beverage Pasteurizers and Once-Through Cooling Water Systems):
Chem-Aqua 42171 should be applied directly to the cooling water at any section of the system where sufficient mixing will occur. This product should be applied to the cooling water to provide a total bromine level of 1.0-15 ppm. Chem-Aqua 42171 added at a rate of two fluid ounces per 1000 gallons of water gives a dosage of approximately 3.4 ppm of total bromine, but higher dosages may occasionally be required to provide the desired bromine level throughout the systems. The total bromine level should be checked with a test kit and additional product applied until a reading of 1.0-15 ppm is obtained at the bleed-off point. Some systems may be maintained in satisfactory biological condition by applying this dosage once per day while others will respond better to dosages less than once per day. Some systems may be maintained in satisfactory biological condition by applying this dosage intermittently while others may require a continuous application.

COOLING PONDS, LINED RESERVOIRS AND DECORATIVE FOUNTAINS:
This product may be applied at the lined reservoir, pond, or fountain inlet or at a location that permits complete diffusion into the water at maximum retention time before reaching the outlet. Sufficient Chem-Aqua 42171 should be fed to maintain a total bromine level of 1.0-15 ppm in all parts of the reservoir or pond (two fluid ounces per 1000 gallons of water yields 3.4 ppm total bromine). Some systems may be maintained in satisfactory biological condition by applying this dosage once per day while others will respond better to dosages less than once per day.

SHELL EGG PASTEURIZER WATER SYSTEMS: For control of bacteria and associated slime in shell egg pasteurizer water systems add 2-6 ounces of this product per 1000 gallons of system water to achieve control. To maintain control add a sufficient amount to maintain 1.0-9 ppm total bromine throughout the system. (Two fluid ounces per 1000 gallons of water yields 3.4 ppm total bromine). (not for use in California)

AIR WASHERS: *(This product may be used only in industrial air washers and air washer systems which have mist-eliminating components.):*
For control of microorganisms in industrial air washer systems add this product to the air washer sump or chill water to provide a total bromine level of 1.0-9 ppm. Badly fouled systems must be cleaned before treatment is begun. Chem-Aqua 42171 at a dosage of two fluid ounces per 1000 gallons of water gives a dosage of approximately 3.4 ppm of total bromine, but higher dosages may occasionally be required to provide the desired bromine level throughout the systems. The total bromine level should be checked with a test kit and additional product applied until a reading of 1.0-9 ppm is obtained at the bleed-off point. Some systems may be maintained in satisfactory biological condition by applying this dosage once per day while others will respond better to dosages less than once per day.

FOR PULP & PAPER MILL INFLUENT WATER SYSTEMS: This product should be applied to the raw water intake prior to the filter house, economizer, or process water. Feed at a dosage sufficient to provide a total bromine level of 1.5-9 ppm. This product at a dosage of two fluid ounces per 1000 gallons of water, gives a dosage of approximately 3.4 ppm of total bromine, but higher dosages may occasionally be required to provide the desired bromine level throughout the system. Some systems may be maintained in satisfactory biological condition by applying this dosage intermittently while others may require a continuous application. This product may be used in pulp and paper influent water systems where the manufactured paper or paperboard may be used for food contact purposes. (not for use in California)

FOR PULP & PAPER MILL PROCESS WATER SYSTEMS: This product should be added to a paper making system at a point of uniform mixing such as the beaters, broke chest pump, save-all tank, or white water tank. Feed at a dosage sufficient to provide a total bromine level of 4-8 ppm.
Chem-Aqua 42171 at a dosage of two fluid ounces per 1000 gallons of water gives a dosage of approximately 3.4 ppm of total bromine, but higher dosages may occasionally be required to provide the desired bromine level throughout the system. Some systems may be maintained in satisfactory biological condition by applying this dosage intermittently while others may require a continuous application. Chem-Aqua 42171 may be used in pulp and paper mill process water systems where the manufactured paper or paperboard may be used for food contact purposes. (not for use in California)

OIL AND SECONDARY OIL RECOVERY SYSTEMS, DRILLING MUDS AND PACKER FLUIDS: This product may be used to treat water used in primary or secondary oil or gas recovery systems to control the growth of anaerobic sulfide-forming bacteria and aerobic slime-forming bacteria. Chem-Aqua 42171 may be used in seawater or fresh water, recycled or disposal/recovery systems, muds or fluids. Chem-Aqua 42171 controls biological and slime deposits on pumps, pipework, heat exchangers, and filters associated with oilfield and gasfield systems. It also controls biofilm deposits downhole in formations. Add sufficient amount of Chem-Aqua 42171 to achieve satisfactory biological control. Initial recommended dosing levels of 2.2-50 ppm as total bromine are suggested. A dosage of two fluid ounces per 1000 gallons of water yields approximately 3.4 ppm of total bromine. (not for use in California)

NOTE: Halogen dosages listed in the various applications are expressed as bromine. Since most field test kits for oxidizing halogens give values in terms of chlorine, simply multiply the reading from the test kit (as chlorine) by 2.25 in order to obtain the bromine equivalency listed in these directions.

STORAGE AND DISPOSAL

Store this product in a cool dry area, away from direct sunlight and heat to avoid deterioration. In case of spill, flood areas with large quantities of water. Product or rinsates that cannot be used should be diluted with water before disposal in a sanitary sewer. Do not reuse empty container but place in trash collection. Do not contaminate water, food, or feed by storage, disposal or cleaning of equipment.

PESTICIDE DISPOSAL
Pesticide disposal 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
PLASTIC CONTAINERS: Nonrefillable container. Do not use this container to hold materials other than pesticides or dilute pesticides (rinsate). After emptying and cleaning, it may be allowable to temporarily hold rinsate or other pesticide-related materials in the container. Contact your state regulatory agency to determine allowable practices in your state. Clean container promptly after emptying. Offer for recycling if available.
Triple rinse as follows: Empty remaining contents into application equipment or a mix tank. Fill the container 1/4 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. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
DANGER. CORROSIVE. Causes irreversible eye damage. Causes skin burns. Do not get in eyes, on skin or on clothing. Wear protective eyewear such as face shield or safety glasses and rubber gloves. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse.

ENVIRONMENTAL HAZARDS: This pesticide is toxic to fish and aquatic organisms. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or public waters unless in accordance with the requirements of a National Pollution 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 sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of EPA.

See the Material Safety Data Sheet for more information.
Not for Resale
MADE IN THE U.S.A.
TV11CABA
0M911A

EPA Est. No								
4140 -								63838 -
CA-1	IN-1	NJ-1	PR-1	TX-1	TX-2	TX-4	CAN-1	CA-01

Water Treatment Specialists

CHEM-AQUA®

CHEM-AQUA® 42171

ACTIVE INGREDIENTS:
Sodium hypochlorite..... 7.45%
Sodium bromide 10.28%
OTHER INGREDIENTS:..... 82.27%
TOTAL.....100.00%
EPA Reg. No. 63838-5-71898
See side panels for additional precautionary statements.

NET CONTENTS:_____

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