PRECAUTIONARY STATEMENTS TO HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION. Harmful if swallowed. Harmful if absorbed through the skin. Avoid contact with eyes, skin or clothing.

Do not smoke, eat, or drink when handling. Do not apply with foods, feeds, drugs, or clothing. Keep container tightly closed when not in use. Wash thoroughly with soap and water after handling and before eating, drinking, smoking, or changing clothing. Remove and wash contaminated clothing before re-use. Do not contaminate water, food, or feed by storage and disposal.

ENVIRONMENTAL HAZARDS

This product is toxic to fish and aquatic organisms. Do not contaminate water by cleaning of equipment or disposal of waste. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, coasts, or oceans 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.

CHEMICAL AND PHYSICAL HAZARDS

Avoid contact with strong oxidants (except when in use), acids, alkalis, and heavy metal salts.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage and disposal.

PESTICIDE STORAGE

Store in a cool, well-ventilated area, well sealed original containers.

PESTICIDE DISPOSAL

Pesticide containers are hazardous waste. Improper disposal of excess pesticide, spray mixture, or rinse is a violation of Federal law. If these waste containers cannot be disposed of by use in accordance with label instructions, contact your Regional Office of the EPA for guidance.

CONTAINER HANDLING AND DISPOSAL

Container Handling 
Non-releasable container. Do not reuse or refill this container. Triple rinse (or equivalent) and clean empty. Triple rinse as follows: Empty remaining contents into application or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and thoroughly scrub until rinsate no longer contains a product. For 30 seconds. Stand the container on its end and tip it back and forth several times. Empty rinsate application into equipment or a mix tank. No accumulation of more than 100 gallons allowed. Then pour for recycling or reconditioning as appropriate; or puncture and dispose of in a sanitary landfill, by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. This product is to be used in conjunction with an oxidant such as sodium hypochlorite (12.5% chlorine gas), or dichloro-triazinetrione (99.0%), or sodium dichloro-triazinetrione dihydride (90.0%) to produce hypochlorous acid. This product may be used at the system initial water or material into the existing sodium hypochlorite piping to be used to chlorinate for hypochlorous. This product can be used wherever chlorine is applied, for all uses. Consult your cooler manufacturer for correct procedure and proper use of cooler equipment.

INDUSTRIAL, COMMERCIAL, INDUSTRIAL COOLING WATER SYSTEMS

Use effectiveness at doses to achieve exposures to 0.5 - 5.0 parts per million (ppm) of "active" residual bromide in secondarily treated municipal and industrial water systems to control the growth of algae, bactoria, and fungi. This product is non-foaming and does not degrade chlorine or breakpoint. This product is used at the system initial water or material into the existing sodium hypochlorite piping to be used to chlorinate for hypochlorous. This product can be used wherever chlorine is applied, for all uses. Consult your cooler manufacturer for correct procedure and proper use of cooler equipment.

Dosage Rates (Initial and Subsequent)

Same as for Industrial Recirculating Cooling Water Systems.

PULP AND PAPER MILLS

Used for the control of algae, bacterial, and fungal slime in pulp and paper mill fresh and wastewater cooling water systems, wastewater treatment systems, nonpotable water systems and other process water. Apply this product with oxidant as directed. Dosage Rates (Initial and Subsequent)

Same as for Industrial Recirculating Cooling Water Systems.

WASTEWATER

Birotol 140, when used as directed, will disinfect wastewater effectively. The amount of sodium bromide required is determined by the degree of biologic. This product can be added to one or several locations of the wastewater. If it is constructed permits, it is often added at the influent of the final clarifier or at the point in the system where a secondary treatment is given, prior to effluent discharge. This product and an oxidant must be added in quantities sufficient to reach residual bromine levels of 0.1 - 1.0 ppm measured about 5 minutes after treatment. A 0.4 - 2.0 ppm ratio must be achieved by using 0.2 - 8.0 pounds of chlorine gas (99.9%). 0.2 - 5.0 gallons of NaOCl (12.5%), 0.3 - 6.7 pounds of sodium dichloro-triazinetrione (99.0%), 0.4 - 9.5 pounds of sodium dichloro-triazinetrione dihydride (99.0%) for each gallon of Birotol 140. The treatment with this product can be evaluated by determining the total number of coliform bacteria and/or total coliform bacteria (using the Most Probable Number procedure) has been reduced to a level permitted by governing regulations.

AIR WASHERS AND BREWERY PASTEURIZERS

When used in conjunction with an oxidant, this product effectively controls algae, bacterial, and fungal slime and controls the settlement and growth of mussels such as the zebra mussel (Dreissena) or the Asian clam (Corbicula) in influent water systems such as raw through filters, cooling ponds, canal, and lakes; heat exchange water systems; air washers; pasteurizers; rinsate systems; and industrial water scrubbing systems.

DOSAGE RATES

Add this product to the system at 0.125 to 2.0 pounds bromide/oxide per million. For example, 0.125 to 2.0 pounds of chlorine gas (99.9%) per gallon of sodium bromide solution; or, 0.125 to 2.0 pounds of sodium hypochlorite (12.5%) available chlorine solution per gallon sodium hypochlorite solution.

Initial Dose

When the system is not visibly fouled, add 0.0032 to 0.0246 gallons of this product to each 1000 gallons of water contained in the system and solutions with either gas chlorine (0.030 to 0.040 pounds gas chlorine per 1000 gallons of contained water), or sodium hypochlorite solution (0.007 to 0.032 pounds of 12.5% sodium hypochlorite solution per 1000 gallons of contained water.)

Subsequent Dose

When microbial control is evident, add 0.0032 to 0.0246 gallons of this product to each 1000 gallons of water contained in the system and solutions with either gas chlorine (0.030 to 0.040 pounds gas chlorine per 1000 gallons of contained water), or sodium hypochlorite solution (0.007 to 0.032 pounds of 12.5% sodium hypochlorite solution per 1000 gallons of water.

FRUIT AND VEGETABLE WASH

When used in conjunction with an oxidant (Chlorine gas or NaOCl), this product can be used for the wash of fruits and transport of fruits and vegetables. This product and an oxidant must be added in quantities sufficient to exceed a dosage of 5ppm of product (35.5 pounds of this product per one million gallons of water) to be effective. Add sufficient amount of this product or sodium dichloro-triazinetrione (99.0%) to provide a residual bromide level of 0.5 to 5 ppm when measured approximately 5 minutes after treatment. The recommended application level of this product (and oxidant) is with a one to one ratio. Chlorine dose (99%) 0.3 pounds, 15% NaOCl dose (3.5 gallons) or 15% NaOCl dose (2.0 gallons) will achieve one gallon of this product 40% sodium bromide solution. This product may be continuously metered into Chlorinator eductor washer or mixed with a NaCl solution for application. The use of this product under the chemical system must be followed by a potable water rinse to remove, to the extent possible, residues of the chemical.

WARRANTY

The seller warrants that this product conforms to its chemical description and is reasonably fit for the purpose stated on the label when used in accordance with label directions under normal conditions of use. This warranty is limited to the extent consistent with applicable law, and excludes all other warranties, whether expressed or implied, including but not limited to implied WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE; express or implied, extends to the use of this product contrary to label instructions or conditions not reasonably foreseeable to Seller, and Buyer assumes the risk of any such use.

Lot#: Net Contents: LBS

See side panels for additional precautionary statements and first aid.

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