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. Wash thoroughly after handling.

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 you State Water Board or Regional Office of EPA.

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

Do not reuse empty container. Triple rinse (or equivalent). Then puncture and dispose of in a sanitary landfill, 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.

COOLING PONDS, LINED RESERVOIRS AND DECORATIVE FOUNTAINS:

BIOCIDE 4 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 BIOICIDE 4 should be fed to maintain a total bromine level of 4.5-9.0 ppm in all parts of the reservoir or pond (two fluid ounces per 1000 gallons of water yields 5.1 ppm total bromine.

INDUSTRIAL & COMMERCIAL RECIRCULATING COOLING WATER SYSTEMS: BIOCIDE 4 should be applied directly to the cooling water at any section of the system where sufficient mixing will occur. BIOCIDE 4 should be applied to the cooling water to provide a total bromine level of 4.5-9.0 ppm. BIOCIDE 4 at a dosage of two fluid ounces per 1000 gallons of water gives a dosage of approximately 5.1 ppm of total bromine, but several times that dosage may be required to provide a total bromine level of 5.1 ppm through the systems. The total bromine level should be checked with a test kit and additional product applied until a reading of 4.5-9.0 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 respond better to dosages less than once per day.

BIOCIDE 4

BIOCIDE 4 is an effective agent for controlling algal and bacterial slime in condensing and cooling equipment in which recirculating water is used as the cooling media and in reservoirs or ponds which serve as the source of boiler feedwater or cooling water. BIOCIDE 4 can also be used to control bacterial and algal slime in decorative fountains, air washers, papermill influent water systems, and food, beverage, and industrial process pasteurizers.

Active Ingredients:

Sodium Hypochlorite 10.70%
Sodium Bromide 14.77%
Inert Ingredients: 74.53%
TOTAL 100%
*Total Available bromine = approximately 23.0%
Total Available chlorine = approximately 10.2%

EPA Reg. Number: 63838-3-12446
EPA Est. Number: 63838-CA-01

KEEP OUT OF REACH OF CHILDREN

DANGER

FIRST AID

If in eyes:
Hold eyes 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 poison control center or 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 doctor for treatment advice.

If swallowed:
Call a poison control center or 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. Probably 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.

24 hr Emergency ChemTrec Number: 800-424-9300

SEE PRECAUTIONARY STATEMENTS ON SIDE PANEL

Sold by:
Zee Company, Inc. • 4146 S. Creek Road • Chattanooga, TN 37406

NET CONTENTS _____ GALLONS

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 sufficient BIOCIDE 4 to the air washer sump or chill water to provide a total bromine level of 4.5-9.0 ppm. Badly fouled systems must be cleaned before treatment is begun. BIOCIDE 4 at a dosage of two fluid ounces per 1000 gallons of water gives a dosage of approximately 5.1 ppm of total bromine, but several times that dosage may be required to provide a total bromine level of 5.1 ppm throughout the system. The total bromine level should be checked with a test kit and additional product applied until a reading of 4.5-9.0 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.

INDUSTRIAL PASTEURIZERS (Such as food, beverage, and industrial process pasteurizers): For control of bacteria in industrial pasteurizers add 2.4-4.8 ounces of BIOCIDE 4 per 1000 gallons of system water to achieve control. To maintain control add sufficient BIOCIDE 4 to maintain 4.5-9.0 ppm total bromine throughout the system. (Two fluid ounces per 1000 gallons of water yields 5.1 ppm total bromine.)

HEAT TRANSFER SYSTEMS (Such as Evaporative Condensers, Hydrostatic Sterilizers and Retorts, Dairy Sweetwater Systems, and Once-Through Cooling Water Systems): BIOCIDE 4 should be used at the same application rates, and in the same manner as described above. It should be added to the system at a point of uniform mixing such as a basin area, sump area, or other reservoir or collecting area from which the treated water will be circulated uniformly throughout the system.

SHELL EGG PASTEURIZER WATER SYSTEMS: (not for use in California) For control of bacteria and associate slime in shell egg pasteurizer water systems add 2.4-4.8 ounces of BIOCIDE 4 per 1000 gallons of system water to achieve control. To maintain control add sufficient BIOCIDE 4 to maintain 4.5-9.0 ppm total bromine throughout the system. (Two fluid ounces per 1000 gallons of water yields 5.1 ppm total bromine).

FOR PULP & PAPER MILL INFLUENT WATER SYSTEMS: (not for use in California) BIOCIDE 4 should be applied to the raw water intake prior to the filter house, economizer, or process water. Feed at a dosage sufficient to provide total a bromine level of 4.5-9.0 ppm. BIOCIDE 4 at a dosage of two fluid ounces per 1000 gallons of water gives a dosage of approximately 5.1 ppm of total bromine, but several times that dosage may be required to provide a total bromine level of 5.1 ppm throughout the system. The total bromine level should be checked with a test kit and additional product applied until a reading of 4.5-9.0 ppm is obtained. Some systems may be maintained in satisfactory biological condition by applying this dosage intermittently while others may require a continuous application. BIOCIDE 4 may be used in pulp and paper influent water systems where manufactured paper or paperboard may be used for food contact purposes.

FOR PULP & PAPER MILL PROCESS WATER SYSTEMS: (not for use in California) BIOCIDE 4 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 4.5-9.0 ppm. BIOCIDE 4 at a dosage of two fluid ounces per 1000 gallons of water gives a dosage of approximately 5.1 ppm of total bromine, but several times that dosage may be required to provide a total bromine level of 5.1 ppm throughout the system. The total bromine level should be checked with a test kit and additional product applied until a reading of 4.5-9.0 ppm is obtained. Some systems may be maintained in satisfactory biological condition by applying this dosage intermittently while others may require a continuous application. BIOCIDE 4 may be used in pulp and paper mill process water systems where the manufactured paper or paperboard may be used for food contact purposes.

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.

US Patent No 7,045,153. Other U.S. and global patents pending.

FOR SECONDARY CONTAINER USE ONLY

ZEE COMPANY®
A Member of The Vincit Group
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Chattanooga, Tennessee 37406
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WBO4A

CORROSIVE LIQUIDS, N.O.S., 8, UN1760, III, (CONTAINS HALOGENATED COMPLEX, SODIUM HYDROXIDE)