CL2OUT 1100

A DISINFECTANT, SANITIZER, BACTERICIDE, SLIMECIDE, ALGACIDE AND MOLLUSC CONTROL AGENT FOR TREATING RECIRCULATING COOLING WATER SYSTEMS AND UNIONS THROUGH COOLING SYSTEM WATERWAYS, AND WASTEWATER TREATMENT SYSTEMS.

ACTIVE INGREDIENT: Sodium bromide ........................................................................... 40%

INERT INGREDIENTS: ............................................................................................... 60%

TOTAL: ......................................................................................................................... 100%

KEEP OUT OF REACH OF CHILDREN

CAUTION

DIRECTIONS FOR USE

CL2OUT 1100 is not to be used in conjunction with an oxidant such as sodium hypochlorite (12.5%), chlorine gas (99.9%), trichloro-s-triazinetrione dihydrate (99.0%) or sodium dichloro-s-triazinetrione (99.0% or 99.5%) to achieve hypochlorite acid. CL2OUT 1100 may be added at the system inlet water or metered into the existing sodium hypochlorite piping to form solution of sodium hypochlorite. CL2OUT 100 may be added whenever disinfection is applied, for all uses. Consult your fuller manufacturer for correct procedure and proper use of fuller equipment.

INDUSTRIAL RECIRCULATING WATER COOLING SYSTEMS

Use effectively at dosages recommended to achieve exposures to 0.5-5.0 parts per million (ppm) of "active" bromine, or as needed to control growth of algae, bacterial and fungal slimes and controls the settlement and growth of mollusks such as the Zebra mussel (Dreissena) or the Asian clam (Corbicula) in commercial and industrial cooling towers, heat exchange water towers, industrial water scrubbing systems, and influent systems such as flow-through filters, lagoons, etc.

Dosage Rates

Initial Dose: When noticeably fouled, add sufficient CL2OUT 1100 and oxidant to achieve the "active" residual bromine level (0.5-5.0 ppm), measured about 5 minutes after treatment. A 2:5:2-6:0 mole ratio of sodium bromide to oxidant is recommended. The recommended mole ratio may be achieved by using 1.5-5.0 pounds of chlorine gas (99.9%), 1.3-5.2 gallons NaOCl (12.5%), 1.7-6.7 pounds of trichloro-s-triazinetrione (99.0%), 2.4-4.5 pounds of sodium dichloro-s-triazinetrione (99.0%), or 2.7-5.7 pounds of sodium dichloro-s-triazinetrione dichloride (99.0%) for each gallon of CL2OUT 1100.

Subsequent Dose: When microbial control is evident, add sufficient CL2OUT 1100 and oxidant to maintain the "active" residual bromine level (0.5-5.0 ppm), measured about 5 minutes after treatment. Continue as in Initial dose.

ONCE THROUGH INDUSTRIAL COOLING WATER SYSTEMS

Used for the control of algae, bacterial and fungal slimes and controls the settlement and growth of mollusks such as the Zebra mussel (Dreissena) or the Asian clam (Corbicula) in once-through and closed-cycle fresh and seawater cooling systems. Apply CL2OUT 1100 and oxidant to the system inlet water or before any other contaminated area in the system.

Dosage Rates (Initial and Subsequent)

Same as for Industrial Recirculating Cooling Water Systems.

WASTEWATER

CL2OUT 1100, when used as directed, will sterilize wastewater effectively. The amount of sodium bromide required is determined by the degree of fouling. CL2OUT 1100 can be added to one or several locations of the wastewater system. If "active" residual bromine levels are measured, 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. CL2OUT 1100 and an oxidant should be used in quantities sufficient to reach residual bromine levels of 0.3-1.0 ppm measured about 5 minutes after treatment. Typically, the recommended mole ratio may be achieved by using 0.24 pounds of sodium dichloro-s-triazinetrione (99.0%), 0.1-0.9 pounds of sodium dichloro-s-triazinetrione dichloride (99.0%), or 0.4-4.9 pounds of sodium dichloro-s-triazinetrione (99.0%) and 0.0-0.95 pounds of sodium dichloro-s-triazinetrione dichloride (99.0%) for each gallon of CL2OUT 1100. The treatment with CL2OUT 1100 can be evaluated by determining the total number of coliform bacteria and/or fecal coliform bacteria (using the MPN procedure) has been reduced to a level permitted by governing regulations.

DISTRIBUTED BY: BAKER PETROLITE CORPORATION

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Emergency Telephone Numbers:
CHEMTREC 800-424-9300
CHEMTREC Intl.: 01-703-527-3887
Baker Petrolite Corporation: 1-800-231-3606
For Environmental Information: (01)281-276-5400

NFPA
Health    Flammability     Instability
8                  0             0

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

HAZARDOUS IF SWALLOWED
HARMFUL IF ABSORBED THROUGH THE SKIN

AVOID CONTACT WITH EYES, SKIN AND CLOTHING
DO NOT SMOKE, DRINK OR EAT WHEN HANDLING
DO NOT TAKE FOODS, FEEDS, DRUGS, OR CLOTHING
KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE
WASH THROUGHFULLY WITH SOAP AND WATER AFTER HANDLING
REMOVE CONTAMINATED CLOTHING AND WASH BEFORE RE-USE
DO NOT CONTAMINATE WATER, FOOD, OR FEED BY STORAGE AND HANDLING

ENVIRONMENTAL HAZARDS

This product is toxic to fish and aquatic organisms. Do not contaminate water by cleaning of equipment or disposal of wastes. Do not contaminate soil containing this product into lakes, streams, ponds, estuaries, oceans or other waters 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 oxidizers (when in use), acids, alkaline and heavy metal salts.

STORAGE AND DISPOSAL

STORAGE: Store in a cool, well-ventilated area, in well-closed original containers.

TERMIEST DISPOSAL: Pelleted product should be disposed of in accordance with recognized procedures for disposal of aerobic pesticide, spray mixture, or residue is a violation of Federal law. If these wastes cannot be disposed of in accordance with label instructions, contact your Regional Office of the EPA.

CONTAINER HANDLING: Non-refillable container. Do not reuse or refill container. For complete instructions, refer to the refiller. When empty, if available, it may be chemically destroyed, incinerated, or buried in the original container.

Triple rinse: as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Rest and tighten closures. To container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its back and let it set for 12 hours. Empty container. Disposal equipment or a mix tank or store rinse water for later use or disposal. Repeat this procedure two more times.

TRIPLE RINSE: Empty remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Rest and tighten closures. To container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its back and let it set for 12 hours. Empty container. Disposal equipment or a mix tank or store rinse water for later use or disposal. Repeat this procedure two more times.

WARRANTY

Seller warrants that this product conforms to the chemical description and is reasonably fit for the purposes stated on the label when used in accordance with label instructions under normal conditions of use, but neither this warranty nor any other warranty of MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, express or implied, extends to the use of this product contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to Seller, and Buyer assumes the risk of such use.

prepare all water to be treated to less than 0.1 ppm of "active" residual bromine. 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 ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, tip it back and forth several times. Empty rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

NOTE TO PHYSICIAN: Probable mucosal damage may contribute to the use of gastric lavage.

READ PRODUCT MATERIAL SAFETY DATA SHEET PRIOR TO USE. PRODUCT WARRANTY, DISCLAIMER AND LIMITATION OF LIABILITY ARE FOUND THEREIN. Use of Product signifies agreement with these provisions.

La lea la hoja de datos de seguridad de materiales del producto antes de usarla. LA GARANTÍA DEL PRODUCTO, EL DESCARGO Y LA LIMITACIÓN DE RESPONSABILIDAD SE ENCUENTRAN EN DICHOS DOCUMENTOS. Este producto no se garantiza de acuerdo con estas disposiciones.