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CL<sub>2</sub>OUT 1000

FOR USE AS A DISINFECTANT, SANITIZER,  
BACTERICIDE, SLIMICIDE, AND ALGICIDE IN  
RECIRCULATING COOLING WATER SYSTEMS

GUARANTEE:

Sodium Bromide                      40%

COMMERCIAL

REGISTRATION NO. 24132

PEST CONTROL PRODUCTS ACT

FIRST AID

EYE CONTACT: Flush with cold water for  
at least 15 minutes. If irritation  
persists, seek medical attention immediately.

SKIN CONTACT: Prolonged contact can produce  
skin irritation. If skin contact occurs,  
wash with cold water for 15 minutes.

READ THE LABEL BEFORE USING

NET CONTENTS:

LOT NUMBER:

SOLD BY:

CHEMLINK INDUSTRIAL

A Division of Baker Performance Chemicals Incorporated  
A Baker Hughes Company

3920 Essex Lane  
P.O. Box 27714  
Houston, Texas  
77227-7714  
USA

EMERGENCY TELEPHONE NUMBER (713) 599-7400

## PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS: WARNING. Irritation may develop from eye and skin exposure. Avoid contact with eyes. Wear gloves and safety goggles. Wash contaminated clothing before use.

ENVIRONMENTAL HAZARDS: Do not discharge into lakes, streams, ponds, or public waters.

PHYSICAL AND CHEMICAL HAZARDS: CL<sub>2</sub>OUT 1000 is not flammable. However, in fires, wear self-contaminated breathing apparatus.

## STORAGE AND DISPOSAL

STORAGE: Keep product in tightly closed original container when not in use. Store in a dry, well ventilated area. Product should be stored at 18 deg C or above.

### DISPOSAL:

1. Rinse the emptied container thoroughly and add the rinsings to treatment site.
2. Follow provincial instructions for any required additional cleaning of the container prior to its disposal or reconditioning.
3. Dispose of the container in accordance with provincial requirements.
4. For information on the disposal of unused, unwanted product and cleanup of spills contact the regional office of Environment Canada.
5. For small spills, recover free liquid. Soak up residue with solids absorbent. DO NOT FLUSH INTO SURFACE STREAMS. INFORM ENVIRONMENT CANADA AS IN #4.

## DIRECTIONS FOR USE

RECIRCULATING COOLING WATER SYSTEMS. When used as directed, CL<sub>2</sub>OUT 1000 effectively controls algal, bacterial, and fungal slimes in commercial and industrial cooling towers; influent water systems such as flow through filters; heat exchange water systems; and industrial water scrubbing systems.

DOSAGE RATES. Add CL<sub>2</sub>OUT 1000 to the system at a 0.125 to 2.0 sodium bromide/oxidant mole ratio. For example:

- 1) 192 to 3175 grams of chlorine gas (99.9%) per litre of sodium bromide solution;
- 2) 1.3 to 21 litres sodium hypochlorite (12.5% available chlorine) solution per litre of sodium bromide solution.

Initial Dose: When the system is noticeably fouled, add 0.0003 to 0.024 litres of CL<sub>2</sub>OUT 1000 solution per 1000 litres of water contained in the system and oxidize with either gas chlorine (0.959 to 4.793 grams gas chlorine per 1000 litres of contained water), or sodium hypochlorite solution (0.007 to 0.032 litres of 12.5% sodium hypochlorite solution per 1000 litres of contained water).

Subsequent Dose: When microbial control is evident, add 0.0002 to 0.024 litres of CL<sub>2</sub>OUT 1000 solution per 1000 litres of water contained in the system, and oxidize with either gas chlorine (0.479 to 4.793 grams gas chlorine per 1000 litres of contained water), or sodium hypochlorite solution (0.003 to 0.032 litres of 12.5% sodium hypochlorite solution per 1000 litres of contained water).

Feed CL<sub>2</sub>OUT 1000 either before or after the oxidant injection point into the water to be treated. Be sure rapid mixing of the treated water, CL<sub>2</sub>OUT 1000, and oxidant is achieved. Pump manufacturers can recommend the appropriate materials of construction and capacity for a pump to feed CL<sub>2</sub>OUT 1000 or sodium hypochlorite solution. If used as the oxidant, chlorine gas must be handled and used only in accordance with practices recommended in The Chlorine Manual published by the Chlorine Institute, Inc. New York. Use chlorine gas only in well ventilated areas.

Treatment levels of CL<sub>2</sub>OUT 1000 and oxidant can best be measured with test kits for either bromine or chlorine. Test should be mad immediately after drawing water samples from the system. Use test kits according to directions.

1. When a bromine test kit is used, results can be read directly as ppm bromine.
2. When a chlorine test kit is used, results can be expressed in terms of bromine by multiplying chlorine values bay the

conversion factor 2.25.

CL<sub>2</sub>OUT 1000 weighs 1.426 kg/L at 21.1 deg. C.

NOTICE TO USER:

This control product is to be used only in accordance with the directions on this label. It is an offence under the Pest Control Products Act to use a control product under unsafe conditions.

NOTICE TO BUYER:

Seller's guarantee shall be limited to the terms set out on the label and subject thereto. The buyer assumes the risk to persons or property arising from the use or handling of this product and accepts the product on that condition.

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