

PM 5785-80

PS 133

MAY 29 1991

BEST AVAILABLE COPY

Mr. Dennis L. McFadden
Great Lakes Chemical Corporation
P.O. Box 2100
West Lafayette, IN 47906

Dear Mr. McFadden:

Subject: Adding Mollusca Control and Once Through Cooling Tower Use
WTA Sodium Bromide
EPA Registration No. 5785-66
Sodium Bromide
EPA Registration No. 5785-67
Liquibron 3800
EPA Registration No. 5785-76
Liquibron 100
EPA Registration No. 5785-78
Liquibron 4300
EPA Registration No. 5785-79
WTA 1500
EPA Registration No. 5785-80 ✓
WTA 4000
EPA Registration No. 5785-81
Your Amendment Dated April 11, 1991

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable. A stamped copy is enclosed for your records.

Sincerely yours,



Walter C. Francis
Product Manager (32)
Antimicrobial Program Branch
Registration Division (87505C)

Enclosure

Pringle 5-29

62731:IA-4:Pringle:132-07:KVRIC:05/26/91:06/24/91:awivotaw

WTA 1500

FOR USE AS A DISINFECTANT, SANITIZER, BACTERICIDE,
SLIMICIDE, ALGICIDE, AND MOLLUSK CONTROL AGENT
IN RECIRCULATING COOLING WATER SYSTEMS, BREWERY
PASTEURIZING SYSTEMS, AIR WASHERS, ONCE THROUGH COOLING WATER
AND WASTEWATER TREATMENT SYSTEMS, AND PULP AND PAPER MILLS

Active Ingredient:

Sodium bromide 15%

Inert Ingredients 85%

TOTAL 100%

KEEP OUT OF REACH OF CHILDREN

WARNING

STATEMENT OF PRACTICAL TREATMENT

Eye Contact: Flush eyes 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.

SEE ADDITIONAL PRECAUTIONARY STATEMENTS ON SIDE PANEL

NET WEIGHT: _____

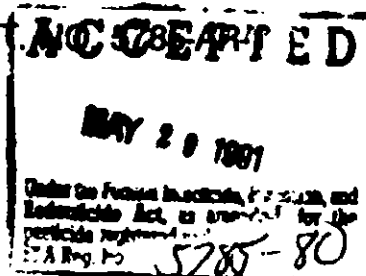
LOT NUMBER: _____

GREAT LAKES CHEMICAL CORPORATION
P.O. Box 2200
WEST LAFAYETTE, IN 47906

GLK-80-E

EPA REG. NO. 5785-80

EPA EST. NO. 5785-80



HAZARDS TO HUMAN
and skin exposure. Avoid
clothing before reuse.

ENVIRONMENTAL HA
in accordance with an

PHYSICAL AND CHEM
other materials, hydrog
breathing apparatus.

It is a violation of Feder

STORAGE. Keep prod
ventilated area. Produ

DISPOSAL. Wastes re
approved waste dispos
or reconditioning, or pu
by state and local auth

RECIRCULATING COO
PASTEURIZERS. When
slimes and controls the
the Asiatic clam (*Corbic*
as flow through filters; l

DOUSAGE RATES. Add
or example:

- 1) 0.49 to
 - 2) 0.39 to
- of sodiu

Initial Dose: When the system is noticeably fouled, add 0.001 to 0.082 gallons of WTA 1500 per 1000 gallons of water contained in the system and oxidize with either gas chlorine (0.008 to 0.040 lbs. gas chlorine per 1000 gallons of contained water), or sodium hypochlorite solution (0.006 to 0.032 gallons of 12.5% sodium hypochlorite solution per 1000 gallons of contained water).

Subsequent Dose. When microbial control is evident, add 0.0005 to 0.082 gallons of WTA 1500 per 1000 gallons of water contained in the system, and oxidize with either gas chlorine (0.004 to 0.040 lbs. gas chlorine per 1000 gallons of contained water), or sodium hypochlorite solution (0.003 to 0.032 gallons of 12.5% sodium hypochlorite solution per 1000 gallons of contained water).

ONCE-THROUGH COOLING WATER AND WASTEWATER TREATMENT SYSTEMS. When used as directed, WTA 1500 effectively controls algal, bacterial and fungal slimes and controls the settlement and growth of mollusks such as the zebra mussel (*Dreissena*) or the Asiatic clam (*Corbicula*) in once-through fresh and sea water cooling systems and disinfects secondary and tertiary wastewater treatment systems.

DOSAGE RATES. Add WTA 1500 to the system at a 0.125 to 2.0 sodium bromide/oxidant mole ratio. For example:

- 1) 0.49 to 7.8 pounds of chlorine gas (99.9%) per gallon of sodium bromide solution;
- 2) 0.39 to 6.3 gallons sodium hypochlorite (12.5% available chlorine) per gallon of sodium bromide solution.

Initial Dose. When the system is noticeably fouled, add 0.003 to 0.16 gallons of WTA 1500 per 1000 gallons of water contained in the system, and oxidize with either gas chlorine (0.02 to 0.08 lbs. gas chlorine per 1000 gallons contained volume), or sodium hypochlorite solution (0.019 to 0.06 gallons 12.5% sodium hypochlorite solution per 1000 gallons contained volume).

Subsequent Dose. When microbial control is evident, add 0.001 to 0.16 gallons WTA 1500 per 1000 gallons of water contained in the system, and oxidize with either gas chlorine (0.008 to 0.08 lbs. gas chlorine per 1000 gallons contained volume), or sodium hypochlorite solution (0.006 to 0.06 gallons 12.5% sodium hypochlorite solution per 1000 gallons contained volume).

PULP AND PAPER MILLS. When used as directed, WTA 1500 effectively controls algal, bacterial, and fungal slime in pulp and paper mill fresh and sea water influent water systems, cooling water systems, wastewater treatment systems, nonpotable water systems, and other process water.

Dosage Rates. Add WTA 1500 to the system at a 0.125 to 2.0 sodium bromide/oxidant mole ratio. For example:

- 1) 0.49 to 7.8 pounds of chlorine gas (99.9%) per gallon of sodium bromide solution;
- 2) 0.39 to 6.3 gallons of sodium hypochlorite (12.5% available chlorine) solution per

gallon of sodium bromide solution.

Add sufficient WTA 1500 and oxidize with either gas chlorine or achieve a residual bromine level of 0.5 to 5 ppm or as needed to maintain WTA 1500 can be added whenever chlorination is applied.

Feed WTA 1500 either before or after the oxidant injection point into rapid mixing of the treated water, WTA 1500 and oxidant is achieved. We recommend the appropriate materials of construction and capacity for sodium hypochlorite solution. If used as the oxidant, chlorine gas should be used 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 WTA 1500 and oxidant can best be measured with a bromine test kit or a chlorine test kit. Tests should be made immediately after drawing water samples and using test kits according to directions.

1. When a bromine test kit is used, results can be read directly.
2. When a chlorine test kit is used, results can be read directly by multiplying chlorine values by the conversion factor of 1.5.

WTA 1500 weighs 9.4 lbs/gal at 70° F.

NOTE: Seller warrants that this product complies with the specifications. Seller makes no other warranties; and disclaims all other warranties, including but not limited to warranties of merchantability and fitness for the intended use. Any liability for default, breach, or failure under this label shall be limited to the amount paid for the product. Seller shall have no liability for consequential damages.