CHEMTREAT CL2490  
(AMMONIUM BROMIDE SOLUTION)  

A BACTERICIDE, SLIMICIDE AND ALGAECIDE FOR TREATING RECIRCULATING COOLING WATER SYSTEMS AND PULP & PAPER MILLS  

ACTIVE INGREDIENT:  
Ammonium Bromide 35.0%  
OTHER INGREDIENTS:  
65.0%  
TOTAL  
100.0%  

EPA Registration No: 8622-64-15300  
EPA Est. No. 15300-IA-1  
24 hr Emergency ChemTrec No.: 800-424-9300  
DISTRIBUTED BY: ChemTreat, Inc., 5640 Cox Road, Glen Allen, VA 23060  

OR  

FIRST AID  

KEEP OUT OF REACH OF CHILDREN  

CAUTION  

NOTE TO PHYSICIAN  
Probable mucosal damage may contraindicate the use of gastric lavage.  

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PRECAUTIONARY STATEMENTS  

HAZARDS TO HUMANS AND DOMESTIC ANIMALS  

CAUTION  

CAUSES MODERATE EYE IRRITATION.  
Avoid contact with eyes or clothing.  
Wash thoroughly with soap and water after handling.  

GENERAL PRECAUTIONS AND RESTRICTIONS  

USE WITH ADEQUATE VENTILATION. Do not smoke, drink, or eat when handling. Do not ship with foods, feeds, drugs, or clothing. Keep container tightly closed when not in use.  

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, oceans, or other waters unless in accordance with the 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 sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.  

STORAGE AND DISPOSAL  

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

PESTICIDE STORAGE:  
Store unused product in original container in a cool, dry, well-ventilated area away from food, animal feed, acids, bases, and heavy metal salts.  

PESTICIDE DISPOSAL:  
Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray handling, 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 Authority, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.  

CONTAINER HANDLING:  
Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equipment receiving rinse water) with soap and water. Pour the rinse water into the drain. Do not contaminate water, food, feed, or offsite groundwater supplies.  

IF IN EYES  
Hold eye 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 eye.  
Call a poison control center or doctor for treatment advice.  

IF INHALED  
Move person to fresh air.  
If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.  
Call a poison control center or doctor for treatment advice.  

IF ON SKIN, 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.  
Have person sip a glass of water if able to swallow.  
Do not induce vomiting unless told to do so by the poison control center or doctor.  
Do not give anything by mouth to an unconscious person.  
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.  

YOU MAY ALSO CONTACT 1-800-424-9300 FOR EMERGENCY MEDICAL TREATMENT INFORMATION.  

NOTE TO PHYSICIAN  
Probable mucosal damage may contraindicate the use of gastric lavage.  

DIRECTION FOR USE  
It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Read the entire label and use strictly in accordance with precautionary statements and directions.  

This product is to be used only in conjunction with: 1) an oxidant such as sodium hypochlorite (typically 12.5%) to produce the biocide; and 2) the product feeder/delivery system (described below). This product and the oxidant are mixed in a specially designed reactor which produces the biocide on site. The product feeding system controller ensures the automatic production of the dilute biocide solution and controls the optimization of the biocide production process. The design of treatment, installation, calibration and operation of the feeding system in all plants should be conducted only by authorized and trained personnel. Use of this product for any other purposes or contrary to the instructions below, or without the supervision of authorized trained personnel is prohibited. The biocide concentrations from the product should be determined by your laboratory and a process control program is required. The biocide may be added to any point of uniform mixing. Addition may be continuous or intermittent depending on the severity of the contamination when treatment starts, and on other system operation parameters.  

NOTE: Do not use other feeding modes to mix this product and the oxidant, or mix this product with other additives so as to avoid decomposition of the biocide. Non-authorized personnel are prohibited from operating or otherwise handling the feeding system or its chemical ingredients.  

RECIRCULATING COOLING SYSTEMS  
Used effectively at dosages recommended to achieve exposure to 0.3-5.0 parts per million (ppm) of residual biocide expressed as total chlorine, or as needed to maintain control of algae, bacterial, and fungal slimes in industrial cooling towers, evaporative condensers, heat exchange water towers, influent systems such as flow through filters, industrial water scrubbing systems, brewery pasteurizers, sewage systems (septic tanks, grease tanks, line systems, sewers, lagoons, and sewage effluent water), industrial air washing systems equipped with a mist eliminator.  

Dosage Rates  
Initial dose: When noticeably fouled, add sufficient biocide produced by the reactor to achieve a measured concentration of 0.3-5.0 ppm residual biocide, expressed as total chlorine. The recommended dosage is typically achieved by mixing 0.54 gallons of Sodium Hypochlorite (12.5%) with 0.22 gallons of this product in the reactor.  
Subsequent Dose: Once microbial control is evident, add sufficient biocide produced by the reactor to maintain the measured residual biocide concentration at 0.3-5.0 ppm in process waters, expressed as total chlorine. Continue as in initial dose.  

PULP AND PAPER MILLS  
Used for the control of algae, bacterial, and fungal slimes in pulp and paper mill fresh and sea water influent systems, and associated cooling water systems and wastewater treatment systems, pulp, paper and board washing systems, starch slurries, and other process water. Apply biocide as directed.  

Dosage Rates  
Initial dose: When noticeably fouled, add sufficient biocide produced by the reactor to achieve a measured concentration of 0.3-10.0 ppm residual biocide, expressed as total chlorine. The recommended dosage is typically achieved by mixing 0.54 gallons of Sodium Hypochlorite (12.5%) with 0.22 gallons of this product in the reactor. Do not exceed 0.20 gallons of this product per 2205 pounds of dry weight fiber in paper and paperboard components that contact food.  
Subsequent Dose: Once microbial control is evident, add sufficient biocide produced by the reactor to maintain the measured residual biocide concentration at 0.3-10.0 ppm in process waters, expressed as total chlorine.  

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