

CHEMTREAT CL-25

For use in Closed System Mechanical Generation of Chlorine Dioxide only for
Microbial Control in Recirculating Cooling Systems and Pulp and Paper Mills.

**SOLUTION
INDUSTRIAL**

DANGER



POISON

CORROSIVE TO EYES AND SKIN

READ THE LABEL BEFORE USING

GUARANTEE:

Sodium Chlorite.25%

REGISTRATION NO. 31716

PEST CONTROL PRODUCTS ACT

Distributed By:

ChemTreat, Inc.

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NET CONTENTS: _____ litres

Use Restriction: This product is only to be used in closed system chlorine dioxide generators for controlling slime forming organisms in pulp and paper process waters. Follow all instructions for the chlorine dioxide generator carefully and follow all safety measures required for the use of this product and generator. Generators are to be installed, adjusted and maintained by specially trained service representatives only. Not intended for use in potable water systems.

NOTICE TO USER: This pest control product is to be used only in accordance with the directions on the label. It is an offence under the *Pest Control Products Act* to use this product in a way that is inconsistent with the directions on the label. The user assumes the risk to persons or property that arises from any such use of this product.

**PRECAUTIONS
KEEP OUT OF THE REACH OF CHILDREN**

DANGER. CORROSIVE TO EYES AND SKIN •MAY BE FATAL IF ABSORBED THROUGH THE SKIN, SWALLOWED OR INHALED •DO NOT GET IN EYES, OR ON SKIN, OR CLOTHING •DO NOT INHALE •WEAR LONG-SLEEVED SHIRT AND LONG PANTS, CHEMICAL RESISTANT GLOVES, GOGGLES OR FACE SHIELD AND CHEMICAL RESISTANT APRON AND BOOTS WHEN HANDLING THIS PRODUCT •WASH THOROUGHLY WITH SOAP AND WATER AFTER HANDLING AND BEFORE EATING, DRINKING, SMOKING AND USING THE TOILET •REMOVE CONTAMINATED CLOTHING AND WASH BEFORE REUSE •DO NOT WEAR CONTAMINATED CLOTHING.

ENVIRONMENTAL HAZARDS

This product is highly toxic to aquatic invertebrates and moderately toxic to waterfowl. Do not contaminate lakes, ponds, rivers, streams, estuaries or oceans by direct application, cleaning of equipment or disposal of wastes. Open dumping is prohibited. Do not discharge effluent that has been treated with chlorine dioxide generated by this product into these water unless the effluent has been detoxified by suitable means such as waste treatment.

CHEMICAL HAZARDS

Sodium chlorite is corrosive and a strong oxidizing agent. Contact with organic matter may cause fire or explosion. Mix only into water. Mixing with acids, alcohol or other chemicals may cause evolution of chlorine and chlorine dioxide gas which is toxic and may be explosive. Avoid contaminating with combustible materials, such as oils, grease, solvents, and paint products as rapid burning may occur.

FIRST AID	
IF ON SKIN OR CLOTHING:	<ul style="list-style-type: none"> •Take off contaminated clothing. •Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control centre or doctor for treatment advice.
IF SWALLOWED:	<ul style="list-style-type: none"> •Call a poison control centre 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 a poison control centre or doctor. •Do not give anything by mouth to an unconscious person.
IF IN EYES:	<ul style="list-style-type: none"> •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 centre or doctor for further treatment advice.
IF INHALED:	<ul style="list-style-type: none"> •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 centre or doctor for further treatment advice.
Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.	
TOXOLOGICAL INFORMATION: Treat symptomatically.	

DIRECTIONS FOR USE

CHEMTREAT CL-25 is a source of chlorine dioxide used for microbiological control in recirculating cooling towers and pulp and paper mill processing water. The required dosage rate, frequency and concentration will vary for each user depending on the degree of microbiological and process contamination present, the temperature and the pH. Typical concentrations of chlorine dioxide are between 0.5 – 5.0 ppm for continuous doses, and between 5.0 ppm and 100 ppm for intermittent shock doses.

To generate chlorine dioxide, use a chlorine dioxide generator. Consult the instructions on the chlorine dioxide generation system before using **CHEMTREAT CL-25**. Your ChemTreat representative can guide you in the selection, installation and operation for feed systems.

The generators react **CHEMTREAT CL-25** with chlorine or a chlorine solution and hydrochloric acid producing an aqueous solution of chlorine dioxide. This solution is then added at a point in the processing system to be treated which ensures uniform mixing. Feed points should be well below the surface of the water to prevent volatilization of the chlorine dioxide. Do not apply **CHEMTREAT CL-25** directly to the system being treated. Follow all instructions in the chlorine dioxide generator manual carefully.

STORAGE AND DISPOSAL

STORAGE: Do not contaminate water, food, or feed by storage or disposal. Keep product in tightly closed container when not in use. Do not drop, roll or skid drum. Keep upright. Always replace cover. Store in a cool (<25°C), dry, well-ventilated area away from heat or open flame.

DISPOSAL: Triple or pressure-rinse the empty container. Add rinsings to the treatment site. Follow provincial instructions for any required additional cleaning of the container prior to its disposal or reconditioning. If container is to be disposed, make empty container unsuitable for further use and dispose of in accordance with provincial requirements. For information on the disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.

DECONTAMINATION: Contain spilled material. Do not allow oxidizable or other incompatible materials to come into contact with spilled materials. **DO NOT FLUSH INTO SURFACE WATERS.**