

# Sodium Chlorite Solution 25

FOR USE IN CLOSED SYSTEM CHLORINE DIOXIDE GENERATORS ONLY FOR MICROBIAL CONTROL IN RECIRCULATING COOLING TOWERS AND PULP AND PAPER MILLS

COMMERCIAL (INDUSTRIAL)  
ACTIVE INGREDIENT: Sodium Chlorite 25.2%  
REGISTRATION NO. 24802 – PEST CONTROL PRODUCTS ACT

## READ THE LABEL BEFORE USING

**DANGER POISON**  
**DANGER CORROSIVE TO THE EYES AND SKIN**

DISTRIBUTED OR MANUFACTURED BY: ERCO Worldw ide LP., 5050 Satellite Drive, Suite 600, Mississauga, Ontario, Canada, L4W 0G1

Net Contents: \_\_\_\_\_

## PRECAUTIONS

**DANGER – SODIUM CHLORITE IS CORROSIVE TO EYES AND SKIN.**

**KEEP OUT OF REACH OF CHILDREN.**

**MAY BE FATAL IF ABSORBED THROUGH THE SKIN, SWALLOWED OR INHALED.**

Harmful if swallowed or inhaled. Do not get in eyes, on skin, or on clothing. Do not inhale. Wear long sleeved shirt and long pants, chemical resistant gloves, goggles or face shield, a 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.

## FIRST AID

**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 centre or doctor for treatment advice.

**IF ON SKIN OR CLOTHING :** 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:** 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 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 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.

## TOXICOLOGICAL INFORMATION

Treat symptomatically.

## GENERAL USE PRECAUTIONS

Read all label directions before using. Apply this product only as specified on the label.

## PHYSICAL AND CHEMICAL CAUTIONS

This material is corrosive and a strong oxidizing agent. Contact with organic matter may cause fire or explosion. Mixing with acids, or alcohol, or other chemicals may cause evolution of chlorine and chlorine dioxide gas which is toxic and may be explosive. Avoid contamination with combustible materials, such as oils, greases, solvents, and paint products as rapid burning may occur.

## DISPOSAL AND DECONTAMINATION

DISPOSAL:

1. Triple- or pressure-rinse the emptied container thoroughly and add the rinsings to the treatment site.
2. Follow the Provincial instructions for any required additional cleaning of the container prior to its disposal.
3. Make the empty container unsuitable for further use.
4. Dispose of the container in accordance with provincial requirements.
5. For information on the disposal of unused, unwanted product and the cleanup of spills contact the provincial regulatory agency or the manufacturer.

**DECONTAMINATION:**

Contain spilled material, then add sodium sulfite at 2.8 parts per 1 part of sodium chlorite. Do not allow oxidizable or other incompatible materials to come in contact with spilled material.  
DO NOT FLUSH INTO SURFACE WATERS.

**STORAGE**

Store in a dry, cool area (<25°C)

**ENVIRONMENTAL HAZARD**

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. Do not discharge effluent that has been treated with chlorine dioxide generated by this product into these waters unless the effluent has been detoxified by suitable means such as waste treatment.

**DIRECTIONS FOR USE:**

Sodium Chlorite Solution 25 is a source of chlorine dioxide for use in controlling microorganism contamination in recirculating cooling towers and pulp and papermill process water.

The required dosage rate, frequency and concentration of chlorine dioxide may vary for each individual user, depending on severity of contamination, temperature and pH. Typical concentrations of chlorine dioxide are between 0.5 and 5 PPM on a continuous basis between 5 PPM and 100 PPM on an intermittent shock dose basis.

To generate chlorine dioxide, use a chlorine dioxide generator such as the Oxychlor® II or Oxychlor III chlorine dioxide generator. Please review the generator operating manual before using. If you do not have the manual, please contact your ERCO Worldwide representative.

The generators react Sodium Chlorite Solution 25 with either 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 system to be treated which ensures uniform mixing. Do not apply Sodium Chlorite Solution 25 directly to the system being treated. Follow all instructions in the chlorine dioxide generator manual carefully.

**NOTICE TO USER:**

This control product is to be used only in accordance with direction on this 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.

