

# BIOSPERSE™ XD4107

LIQUID BLEND OF SODIUM CHLORITE FOR USE AS ALGICIDE AND  
SLIMICIDE IN RECIRCULATING COOLING WATER SYSTEMS.

BIOCIDES  
INDUSTRIAL  
**DANGER**

**POISON – CORROSIVE**  
CORROSIVE TO EYES AND SKIN

KEEP OUT OF REACH OF CHILDREN  
READ THE LABEL BEFORE USING

GUARANTEE:	
SODIUM CHLORITE .....	25.2 %
REGISTRATION NO. 24807 PEST CONTROL PRODUCTS ACT	

## NET CONTENTS

LOT #

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Solenis Canada ULC  
942 Brant Street  
Burlington, ON L7R 2J7  
Telephone: 1-905-632-7861  
Á Emergency Telephone: 1-844-SOLENIS (1-844-765-3647)

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 REACH OF CHILDREN. DANGER - CORROSIVE TO EYES AND SKIN.  
Harmful if swallowed or inhaled. Do not get in eyes, on skin, mucous membranes 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 toilet. Remove contaminated clothing and wash before reuse. DO NOT WEAR contaminated clothing.

#### FIRST AID:

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 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 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.

#### 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 mixture which is toxic and may be explosive. Avoid contamination with combustible materials such as oils, grease, solvents, paint products etc as rapid burning may occur.

#### ENVIRONMENTAL PRECAUTIONS:

This product is highly toxic to aquatic invertebrates and moderately toxic to water fowl. 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.. Open dumping is prohibited.

STORAGE: Store in a cool, dry area. (<25°C)

#### DISPOSAL:

1. Triple- or pressure- rinse the empty container. Add the rinsings to the treatment site.
2. Follow provincial instruction 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 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, then add sodium sulfite at 2.8 parts per 1 part of sodium chlorite. Do not allow oxidizable or other incompatible materials to come into contact with spilled material. Use copious amounts of water to flush the residual to a sanitary sewer or waste treatment plant. **DO NOT FLUSH INTO SURFACE WATERS.**

#### USE RESTRICTION:

This product is to be used only in closed system chlorine dioxide generators for controlling slime forming organisms in industrial re-circulating cooling waters. Follow all instructions for the chlorine dioxide generator carefully and follow all safety measures required for the use of this product and

the generator. Generators are to be installed, adjusted and maintained by specially trained service representatives only.

**DIRECTIONS FOR USE:  
RECIRCULATING COOLING WATER SYSTEMS**

**Biosperse XD4107 is a precursor for the biocidal agent, chlorine dioxide for use in controlling microorganism contamination in recirculating cooling towers.**

**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 and between 5 PPM and 100 PPM on an intermittent shock dose basis.**

**To generate chlorine dioxide, use a chlorine dioxide generator. Your Solenis Canada ULC service representative can guide you in the selection, installation and operation of generation systems and the proper injection of chlorine dioxide.**

**The generators react Biosperse XD4107 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 Biosperse XD4107 mixing. Do not apply Biosperse XD4107 directly to the system being treated. Follow all instructions in the chlorine dioxide generator manual carefully.**

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