

# **ELECIDE-2L**

**Controls bacteria, fungi and yeasts in paper mills and enhanced oil recovery systems; controls bacteria and algae in industrial recirculating water cooling towers.**

**SOLUTION**

**INDUSTRIAL SLIMICIDE**

**CAUTION POISON  
POTENTIAL SKIN SENSITIZER**

**READ THE LABEL BEFORE USING**

**GUARANTEE: 2,2-Dibromo-3-nitrilopropionamide..... 5%**

**REGISTRATION NO. 31223.01 PEST CONTROL PRODUCTS ACT**

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NET CONTENTS: 2 kg, 20 kg, 227 kg, 1090 kg

## **PRECAUTIONS**

**KEEP OUT OF REACH OF CHILDREN DANGER: CORROSIVE TO EYES • MAY BURN THE SKIN • MAY BE HARMFUL OR FATAL IF SWALLOWED • POTENTIAL SKIN SENSITIZER •**

Do not get in eyes, on skin, or on clothing • Wear chemical workers' goggles when handling • Wear chemical resistant gloves when handling • Wash thoroughly after handling • Wear a long-sleeved shirt, long pants and shoes plus socks when handling • Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet • Users should remove clothing immediately if pesticide comes in contact with skin through soaked clothing or spills. Then wash skin thoroughly and put on clean clothing. Wash contaminated clothing separate from other laundry prior to reuse • Users should remove protective clothing immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean 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 center 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 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.

**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.

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

## **ENVIRONMENTAL HAZARD**

This product is toxic to fish and other aquatic organisms. It is not to be used in circumstances that would cause or allow it to enter lakes, streams, ponds, estuaries, oceans or other waters in contravention of federal or provincial regulatory requirements. The requirements of applicable laws should be determined before using the product.

Do not discharge effluent containing this product into sewer systems without previously notifying the local sewage treatment plant authority.

## **DIRECTIONS FOR USE**

Note: Add ELECIDE-2L separately to the system. Do not mix it with other additives in order to avoid decomposition of ELECIDE-2L due to the high pH of many additive formulations.

## **PAPER MILLS**

For the control of bacterial, fungal and yeast growth in pulp, paper and paperboard mills, add ELECIDE-2L at the rate of 250-875 ml/tonne of pulp or paper (dry basis). Addition may be continuous or intermittent, depending upon the type of system and the severity of contamination. It should be made with a metering pump at a location that will insure uniform distribution of ELECIDE-2L in the mass of fiber and water, such as the beaters, jordan inlet or discharge, broke chests, furnish chests, save-alls and white-water tanks.

Heavily fouled systems should be boiled out, then treated with 250-625 ml of ELECIDE-2L/tonne of paper (dry basis), as necessary for control.

Moderately fouled systems should be treated continuously with 625-875 ml of ELECIDE-2L/tonne of paper (dry basis) until the slime accumulation is controlled. Addition rates can then be reduced to 250-625 ml of ELECIDE-2L/tonne of paper on a continuous or intermittent basis as needed for control. Dislodged slime may cause breaks in the paper and a clean-up of the paper machine may be advisable.

Slightly fouled systems should be treated continuously with 250-625 ml of ELECIDE-2L/tonne of paper (dry basis) until the slime is controlled, then added on an intermittent basis to maintain control.

## **INDUSTRIAL RECIRCULATING WATER COOLING TOWERS This product is for recirculating water systems only**

Add ELECIDE-2L to the basin (or any other point of uniform mixing). Addition should be made with a metering pump; it may be continuous or intermittent, depending on the severity of the contamination when treatment is begun, and the retention time in the system.

Optimum performance with this product is attained by continuous or intermittent treatment. If "shock" treatment is used, the blowdown should be discontinued for 24 to 48 hours.

### **FOR CONTROL OF BACTERIA**

Add 4-40 ml of ELECIDE-2L/1,000 L of water in the system, depending on the severity of contamination.

**INTERMITTENT OR SLUG METHOD** Initial Dose: When the system is noticeably fouled, add 20-40 ml of ELECIDE-2L/1,000 L of water in the system. Repeat until control is achieved.

Subsequent Dose: When microbial control is evident, add 10-40 ml of ELECIDE-2L/1,000 L of water in the system every 4 days, or as needed to maintain control. Badly fouled systems must be cleaned before treatment is begun.

**CONTINUOUS FEED METHOD** Initial Dose: When the system is noticeably fouled add 20-40 ml of ELECIDE-2L/1,000 L of water to the system. Subsequently, maintain this level by pumping a continuous feed of 2-20 ml of ELECIDE-2L/1,000 L of water in the system lost by blowdown.

FOR CONTROL OF ALGAE Add 125-375 ml of ELECIDE-2L/1,000 L of water in the system, depending on the severity of the contamination.

**INTERMITTENT OR SLUG METHOD** Initial Dose: When the system is noticeable fouled, add 200-375 ml of ELECIDE-2L/1,000 L of water in the system. Repeat until control is achieved. Subsequent Dose: When algae control is evident, add 125-375 ml of ELECIDE-2L/1,000 L of water in the system daily, or as needed to maintain control. Badly fouled systems must be cleaned before treatment is begun.

**CONTINUOUS FEED METHOD** Initial Dose: When the system is noticeably fouled, add 200-375 ml of ELECIDE-2L/1,000 L of water to the system. Subsequent Dose: Maintain this treatment level by pumping a continuous feed of 125-375 ml of ELECIDE-2L/1,000 L of water in the system per day. Badly fouled systems must be cleaned before treatment is begun.

### **OIL RECOVERY OPERATIONS**

For controlling slime-forming bacteria, sulfide-producing bacteria, yeasts and fungi in oil field water, fracturing fluids, polymer or micellar floods, water-disposal systems, or other oil field water systems, add 4-320 ppm by wt. of ELECIDE-2L (8-240 ml of ELECIDE-2L /cubic metre of water) depending on the severity of contamination. Additions should be made with a metering pump either continuously or intermittently.

**Continuous Feed Method:** When the system is noticeably fouled, add 40-320 ppm by wt. of ELECIDE-2L (40-240 ml of ELECIDE-2L /cubic metre of water) continuously until the desired degree of control is achieved. Subsequently, treat with 4-60 ppm by wt. of ELECIDE-2L (8-40 ml of ELECIDE-2L /cubic meter of water) continuously, or as needed to maintain control.

**Intermittent or Slug Method:** When the system is noticeably fouled, or to maintain control of the system, add 40-320 ppm by wt. of ELECIDE-2L (40-240 ml ELECIDE-2L /cubic metre of water) intermittently for 4-8 hours per day, and from 1-4 times per week, or as needed depending on the severity of contamination. Addition of ELECIDE-2L may be made at the free water knockouts, before or after the injection pumps and injection well headers.

**NOTE:** For control of bacteria, yeast and fungi in aqueous solutions of biopolymer used in flooding operations, add 60-320 ppm by wt. of ELECIDE-2L (40-240 ml of ELECIDE-2L/cubic metre of water). Additions of ELECIDE-2L should be made with a metering pump immediately after preparation of the aqueous biopolymer solution to prevent loss of viscosity.

**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.

### **STORAGE**

To maintain product quality, store at temperatures below 35°C. Keep package tightly closed when not in use.

## **DISPOSAL**

1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Follow 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 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.