

# **50% BTC<sup>®</sup> 1010**

## **WATER TREATMENT MICROBIOCIDES**

Solution

Water Treatment Microbicide for Building and Industrial Cooling Towers,  
Oil Field Water Flood or Salt Water Disposal Systems.

COMMERCIAL

**GUARANTEE:**

Didecyl dimethyl ammonium chloride .....50.0%

**KEEP OUT OF REACH OF CHILDREN**

**DANGER**



POISON



CORROSIVE

READ THE LABEL BEFORE USING

REGISTRATION NO. 29247 PEST CONTROL PRODUCTS ACT

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

Stepan Company  
22 Frontage Road  
Northfield IL 60093

Stepan Canada, Inc.  
3425 Harvester Road, Unit 101 A  
Burlington, Ontario L7N 3N1  
905-814-7231

## DIRECTIONS FOR USE

50% BTC® 1010 Water Treatment Microbiocide is designed to control algae and bacterial slimes in recirculating cooling towers, oil field water flood. For best results, slug feed.

### RECIRCULATING COOLING TOWERS

**Initial Dose:** add 450 mL 50% BTC® 1010 Water Treatment Microbiocide per 10,000 Liters of water contained in the system to provide a concentration of 20 ppm active quaternary. Should the above dosage not give satisfactory results, use 700 mL/10,000L of water. Repeat every 7 days or sooner should visible growth appear.

**Periodic Dose:** When the above treatment level is successful, add 240ml of this product per 10,000 liters of water contained in the system every 7 days. Should slime develop again, go back to initial dosage. Dilute the appropriate amount of this product in 4 or 8L of water, then add to the tower. For best results, clean heavily contaminated systems before treatment with this product. Rinse thoroughly before charging with this product. Apply this product at a point in the system where uniform mixing will take place. Cooling tower waters that are inherently low in algae growth and bacteria count may be adequately controlled by the lower range of these dosages; slug feed every seven days.

Do not be alarmed with the sudden appearance of organic debris in the system during the first week of operation. This is normal and is a good indication that this product has effectively penetrated and dislodged dead organic material which tenaciously adheres to metal and wooden surfaces as living matter. This debris should be removed from the system to avoid clogging of screens and pipes. This product should not be used in the presence of soap or other anionic detergents.

### OIL FIELD WATER FLOOD OR SALT WATER DISPOSAL

(Do not apply in Marine and Estuarine Oil Fields.)

To control slime forming and sulfate reducing bacteria (*Desulfovibrio desulfuricans*) 50% BTC® 1010 Water Treatment Microbiocide must be added to a water flood system at a point of uniform mixing.

**Continuous Dose:** Add 100-200 mL of product per 10,000 Liters of water (5-10 ppm active quaternary). Levels for effective control will vary depending on conditions at the site.

**Intermittent Dose:** Add 5 - 20 ppm of active (100-400 mL of product per 10,000 Liters of water) for 4-8 hours per day, 1-4 times per week as needed to maintain control. Add this product directly from the drum with the proper type of metering equipment.

## PRECAUTIONS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

#### DANGER

KEEP OUT OF REACH OF CHILDREN. CORROSIVE. Causes irreversible eye damage and skin burns. Harmful if swallowed or absorbed through skin. Do not get in eyes, on skin or on clothing. When handling this concentrate wear goggles or a face shield, chemical-resistant gloves, long pants, a long-sleeved shirt, and shoes plus socks.

Wash thoroughly with soap and water after handling and before eating, drinking or using tobacco. Remove contaminated clothing and wash before reuse.

#### 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 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 center 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**

Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsion may be needed.

#### **ENVIRONMENTAL HAZARDS**

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. Do not discharge effluent containing this product into sewer systems without previously notifying the sewage treatment plant authority. The requirements of applicable laws should be determined before using the product.

#### **DISPOSAL**

1. Triple- or pressure-rinse the empty container. Add the rinsings to the treatment site.
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.

#### **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.