



Setting A New Industry Standard.

BIOTROL BT

A MICROBICIDAL BACTERICIDE, FUNGICIDE, ALGAECIDE AND SLIMICIDE, FOR TREATING INDUSTRIAL RECIRCULATING COOLING WATER AND ONCE-THROUGH COOLING WATER SYSTEMS, AIR CONDITIONER CONDENSATE, PULP & PAPER MILL WATER SYSTEMS FOR BACTERIAL SLIME (ONLY).

ACTIVE INGREDIENT:

BROMOCHLORO-5,5-DIMETHYLHYDANTOIN: 98%

OTHER INGREDIENTS: 2%

TOTAL: 100%

KEEP OUT OF REACH OF CHILDREN DANGER

CORROSIVE AND STRONG OXIDIZER

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 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.

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.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

NOTE TO PHYSICIAN

Probable mucosal damage may contraindicate the use of gastric lavage.

See side panels for additional precautionary statements and first aid.

DISTRIBUTED BY:

U.S. WATER SERVICES
12270 43rd Street NE
St. Michael, MN 55376
866-663-7633

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS DANGER CORROSIVE

Causes irreversible eye damage and skin burns. Eye contact may cause loss of vision. Irritating to nose and throat. May be fatal if inhaled. Harmful if absorbed through skin or swallowed.

Do not breathe dust or spray mist. Do not get in eyes, on skin, or on clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wear goggles with side-shields, face shield, or safety glasses; protective clothing and chemical-resistant gloves. Wear a respirator with an organic vapor-removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH) approval number prefix TC-23C). Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove contaminated clothing and wash before re-use.

Use with adequate ventilation. Do not smoke, drink, or eat when handling. Keep container tightly closed when not in use. Do not ship with foods, feeds, drugs, or clothing.

USER SAFETY RECOMMENDATIONS:

Users must remove personal protective equipment immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

PERSONAL PROTECTION EQUIPMENT (PPE):

-Applicators and other handlers must wear:

-Coveralls worn over long sleeved shirt and long pants.

-Chemical resistant footwear plus socks.

-Goggles or face shield.

-Chemical-resistant gloves (such as barrier laminate, butyl rubber, neoprene rubber, nitrile rubber, polyvinyl chloride (PVC and Viton).

-For mixing/loading: Wear a chemical resistant apron

-For cleaning equipment: Wear a chemical resistant apron

ENVIRONMENTAL HAZARDS

This product is toxic to fish and aquatic organisms.

CHEMICAL AND PHYSICAL HAZARDS

Strong oxidizer, mix with water only. Reaction with combustible organic materials, bases, moisture or with oxidizers may generate heat, hazardous gases and, possibly, fire or explosion. Do not add to dispensers or other equipment that is not dry and clean of any chemical remnants. Does not burn, but will decompose, from about 320°F (160°C), releasing toxic gases. Avoid comminution and dusting.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

INDUSTRIAL RECIRCULATING COOLING WATER SYSTEMS

Used effectively at treatments to achieve exposures to one part per million (ppm) of 'active' residual bromine to control algal, bacterial and fungal slimes in industrial cooling towers; influent water systems, e.g. flow-through filters, and lagoons, etc.; heat-exchange water systems; industrial water scrubbing systems; brewery and canning pasteurizers and industrial air-washing systems equipped with a mist eliminator.

Treatment rates:

Initial treatment: When noticeably fouled, add 2-6 lbs of this product per 10,000 gallons of water contained in the system. Repeat initial treatment until one ppm of 'active' residual bromine is established for at least 4 hours.

Subsequent treatment: When microbial control is evident, add 1-3 lbs of this product per 10,000 gallons of water contained in the system. Repeat as needed to maintain one ppm of 'active' residual bromine for at least 4 hours.

ONCE-THROUGH INDUSTRIAL COOLING WATER SYSTEMS

Used for the control of algal, bacterial and fungal slimes, by adding to the system inlet, or before any other contaminated area in the system, in once-through and closed-cycle fresh and sea water cooling systems; cooling ponds; canals; and lagoons.

Treatment rates: Initial treatment: When noticeably fouled, add 2-6 lbs of this product per 10,000 gallons of water contained in the system. Repeat initial treatment until one ppm of 'active' residual bromine is established for at least 4 hours.

Subsequent treatment: When microbial control is evident, add 1-3 lbs of this product per 10,000 gallons of water contained in the system. Repeat as needed to maintain one ppm of 'active' residual bromine for at least 4 hours.

ORNAMENTAL FOUNTAINS

See treatment rates for industrial recirculating cooling water systems.

AIR CONDITIONER CONDENSATE

Place tablet in condensate line dispenser. Check once every six months or as required. The life of the tablet will vary depending upon atmospheric conditions and indoor air temperature requirements.

PULP AND PAPER MILL WATER SYSTEMS

This product is intended for use as a slimicide for the process water used in the manufacture of paper and paperboard products that do not contact food. Treat water at critical areas in the system process where mixing of the product with influent will be uniform. The frequency and duration of the treatment will depend upon the severity of the problem. Badly fouled process systems must be cleaned before initial treatment.

Treatment by system volume:

When a system is noticeably fouled: add 0.098 to 0.98 pounds (or 12 to 120 ppm) of this product to 1,000 gallons of water in the system. When biological control is evident: add 0.098 to 0.74 pounds (or 12 to 90 ppm) of this product to 1,000 gallons of water in the system.

Treatment by residual method:

Add sufficient product to maintain a measured residual up to 5 ppm as bromine. Once biological control is evident, the use of this product normally can be reduced to something less than 1 ppm as bromine.

An alternative method of calculating the appropriate level of this product is to estimate the paper mill's daily production, then add, over a 24-hour period, up to 588 grams (1.27 pounds) of this product per dry ton of paper produced over a 24-hour period. Test for bromine to verify the level of 5 ppm is not being exceeded.

SPILLS

When handling or dealing with spills, use impact-resistant goggles with side-shields, or face shield; body-covering clothes, including impervious chemical-resistant gloves and boots; use a dust respirator if dusting occurs. Sweep up dry spills and dispose of as described for pesticide disposal. If drum contents are contaminated or decomposing, do not reseal container; isolate unsealed drum in the open or in a well-ventilated area; flood with large volumes of water if necessary.

IN CASE OF FIRE: Do not use ammonium phosphate extinguisher near water and this product. Hazardous reactions may occur.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

PESTICIDE STORAGE: Store in a dark, cool [below 86°F (30°C)], dry, well-ventilated area, in well-closed original containers, away from energy sources, combustible organic materials, oxidizers, strong bases and moisture.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER HANDLING:

Non-refillable container. Do not reuse or refill this container. Offer for recycling, if available. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty remaining contents into application equipment of mix tank. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

EPA Reg. No. 88714-4-71675

EPA Est. No. 74922-GA-01

LOT#: _____ NET CONTENTS: _____

Transportation Emergency (Spill) Tel: 800-255-3924
ChemTel