BIOTROL 355

For use as an algicide, bactericide, fungicide, for the control of algae, slime forming bacteria, sulfate reducing bacteria, and fungi in air washers and industrial air scrubbing systems, recirculating cooling water and industrial process water systems including cooling towers, evaporative condensers, broiler cooling systems, paperboard process waters, evaporative condensers, can warmers, paper converters, can warmers, and hydraulic and industrial process water systems.

**ACTIVE INGREDIENTS:**
- Tributyl tetrachlorophosphonium chloride

**DIRECTIONS FOR USE**

It is a violation of Federal Law to sell any product in a manner inconsistent with its labeling. Read entire label and use strictly in accordance with the precautionary statements and directions. This product must be loaded and transferred only using a metering pump system. Open pouring is prohibited.

This product must be loaded and transferred only using a metering-pump system or a close-loading/application application system. Wear coveralls worn over long-sleeved shirt and long pants, socks, chemical-resistant footwear, chemical-resistant gloves and protective eyewear.

Recirculating Cooling and Process Water Systems / Air WASHERS AND U.S. WATER SERVICES

**RECOMMENDATION:**

For use as an algicide, bactericide, fungicide, for the control of algae, slime forming bacteria, sulfate reducing bacteria, and fungi in air washers and industrial air scrubbing systems, recirculating cooling water and industrial process water systems including cooling towers, evaporative condensers, broiler cooling systems, paperboard process waters, evaporative condensers, can warmers, paper converters, can warmers, and hydraulic and industrial process water systems.

**DOSAGE RATES FOR ABOVE APPLICATIONS:**

Initial Dose: When the system is noticeably fouled, add at least 100 pounds of product per 1000 gallons of water in the system. Repeat until control is achieved.

Subsequent Dose: When microbial control is evident, add at least 30 pounds of product per 1000 gallons of water in the system. Repeat as needed to maintain control.

**PULP, PAPER, AND PAPERBOARD MILLS:**

**DOSAGE RATES:**

Initial Dose: When the system is noticeably fouled, add at least 5 to 30 pounds of product per ton of pulp or paper (dry basis) as a sludge dose. Repeat until control is achieved. Heavily fouled systems must be cleaned before treatment is begun. When used as directed, this product is effective for the control of bacterial and fungal slime in pulp, paper and paper mill equipment or paper industries or paper manufacturers use in pulp, paper and paperboard mills.

Subsequent Dose: When biological control is evident, add at least 30 pounds of product per ton of pulp or paper (dry basis) as a sludge dose as necessary to maintain control.

This product is effective at controlling microbial growth in waters and on pipe surfaces in fire protection systems. The product will prevent slime formation in commercial and industrial cooling and industrial air scrubbing systems. Add this product at a point of uniform mixing such as the basin area.

**PULP, PAPER, AND PAPERBOARD MILLS:**

**DOSAGE RATES:**

Initial Dose: When the system is noticeably fouled, add at least 5 to 30 pounds of product per ton of pulp or paper (dry basis) as a sludge dose. Repeat until control is achieved. Heavily fouled systems must be cleaned before treatment is begun. When used as directed, this product is effective for the control of bacterial and fungal slime in pulp, paper and paper mill equipment or paper industries or paper manufacturers use in pulp, paper and paperboard mills.

Subsequent Dose: When biological control is evident, add at least 30 pounds of product per ton of pulp or paper (dry basis) as a sludge dose as necessary to maintain control.

This product is effective at controlling microbial growth in waters and on pipe surfaces in fire protection systems. The product will prevent slime formation in commercial and industrial cooling and industrial air scrubbing systems. Add this product at a point of uniform mixing such as the basin area.

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS & DOMESTIC ANIMALS**

**DANGER**

CORROSIVE: Causes irreversible eye damage and skin burns. Harmful if swallowed. May be irritating to the respiratory system, on skin or on clothing. Wear coveralls, worn over long-sleeved shirt and long pants, socks, chemical-resistant footwear, chemical-resistant gloves and protective eyewear. Wash thoroughly and with soap and water after handling and before eating, drinking, chewing gum or using tobacco.

**PHYSICAL OR CHEMICAL HAZARDS**

Do not mix with other chemicals. Mix only with water.

**ENVIRONMENTAL HAZARDS**

This pesticide is toxic to fish and aquatic organisms. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

**NOTICE TO PHYSICIAN:**

Probable mucosal damage may contaminate the use of gastric lavage.

**NOT FOR USE IN CALIFORNIA**

**STORAGE AND DISPOSAL**

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

**PESTICIDE STORAGE:**

Keep product dry and store in a cool dry well-ventilated area away from heat or open flame. Store in original container.

**PESTICIDE DISPOSAL:**

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray drift, or misuse is a violation of Federal Law. 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 of the local EPA Regional Office for guidance. It is a violation of Federal Law to dispose of this product in the waste stream, sewer, sewage treatment plant, or other waterways without the authority of the EPA, State, county, or local officials.

**CONTAINER DISPOSAL:**

Non-refillable container: Do not re-use or refill this container. Offer for recycling, if available. Triple rinse container (or equivalent) promptly after emptying.

**For emergency information call:** ChemTel 800-255-3524

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

**DRILLING, PACKER, COMPLETION, WORKOVER AND FRACTURING FLUIDS**

This product must be added to these fluids at a point where uniform mixing will occur. Add 100-1000 ppm of product to a well or completion fluid depending on the severity of the contamination.

**FIRE PROTECTION SYSTEMS**

This product is effective at controlling microbial growth in waters and on pipe surfaces in fire protection systems. This product must be added to a fire protection system using a chemical metering pump capable of variable pump rates. The product must be injected at a point such as a riser, manifold or main line feed water line, where uniform mixing and distribution will occur. Add 100-800 ppm of product (5-30 ppm active ingredient) depending on severity of the problem and location in the system. Repeat as needed. FIRE PROTECTION SYSTEMS ARE NOT REGISTERED FOR USE IN CALIFORNIA.

**PUBLIC FUNDING**

**Labs LOT #**

**EPA REG. NO.** 83451-16-71675

**EPA EST. NO.** 71675-MN-001 53431-TX-001 80721-WA-001 67701-AL-001 52675-MD-001

**distributed by:** U.S. WATER SERVICES 12270 43rd STREET NE ST. MICHAEL, MN 55376

**UN2922, Corrosive liquids, toxic, n.o.s., 8,(6.1), PGLI, (Tributyltetradeoxylphosphonium Chloride)**

**NET CONTENTS:** Lbs

**Revision:** 3/14/05