BIOtROL 355

For use as an algicide, biocide, fungicide, for the control of algae, slime forming bacteria, sulfide reducing bacteria, and fungi in evaporative condensers, heat exchangers, water systems, cooling water and process water systems including cooling towers, evaporative coolers, breweries, paper, pulp and paperboard process water (e.g., brown paper, corrugated sheet, Kraft paper, newspaper, etc.), enhanced oil recovery systems, oil and gas production and transmission pipelines and systems, gas storage wells and systems, hydrotreating of pipelines and tanks, pipeline pigging and scrubbing operations and oil and gas well drilling and maintenance fluids. FOR INDUSTRIAL APPLICATIONS. This product must be loaded and transferred only using a metering-pump system. Open pouring is prohibited.

ACTIVE INGREDIENTS:
- Tritunglytetradecylphosphonium chloride 95.0%
- OTHER INGREDIENTS 5.0%
- TOTAL 100.0%

KEEP OUT OF REACH OF CHILDREN

DANGER

FIRST AID

If in eyes: • Hold 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.

Inhala: • Move person to fresh air. • If person is not breathing, give 5 or 11 minutes, intubation, then give artificial respiration, preferably mouth-to-mouth or mouth-to-nose. • Call a poison control center or doctor for treatment advice.

If swallowed: • Call poison control center or doctor immediately for treatment advice. • 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.

For emergency information call: Chemtex: 1-800-255-2924

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 contribute to use of gastric lavage.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS & DOMESTIC ANIMALS

DANGER: CORROSIVE. Causes irreversible eye damage and skin burns. Harmful if swallowed or absorbed through skin. May be an irritant to nose and throat. Do not get in eyes, on skin or clothing. Wash immediately with plenty of water. Do not complications occurring this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollution 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.

PHYSICAL OR CHEMICAL HAZARDS:

This product is basic to pH and aquatic organisms. Do not discharge effluent containing this product to surface waters unless previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Read entire label and use strictly in accordance with precautionary 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 in a close enclosed application system. Open pouring is prohibited. Wear coveralls worn over long-sleeved shirt and long pants, socks, chemical-resistant gloves and protective eye and respiratory protection.

RECURRENT COOLING AND PROCESS WATER SYSTEMS AND AIR WASHERS AND INDUSTRIAL AIR SCRUBBING SYSTEMS:

DOSAGE RATES FOR ABOVE APPLICATIONS:

Initial Dose: When the system is noticeably fouled, add 26 to 77 fluid ounces of this product per 1000 gallons (200 to 600 milliliters/1000 liters) of water contained in the system. Repeat until control is achieved.

Subsequent Dose: When microbial control is evident, add 3 to 38 fluid ounces of this product per 1000 gallons (50 to 1000 milliliters/1000 liters) of water contained in the system. Repeat as needed to maintain control.

Heavyly fouled systems must be cleaned before treatment is begun. When used as directed, this product effectively controls algae, bacterial, and fungal slime and in commercial and industrial cooling towers, evaporative condensers, heat exchange water systems, evaporative coolers, dairy systems, industrial process water systems, brewery pasteurizers, can warmers, hydrotreating and scrubbers, air washing systems equipped with a mist eliminator, and industrial air scrubbing systems. Add this product at a point of uniform mixing such as the basin area.

PULP, PAPER, AND PAPERBOARD MILLS:

DOSSAGE RATES:

Initial Dose: When the system is noticeably fouled, add 3 to 30 pounds of this 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 initial treatment.

Subsequent Dose: When biological control is evident, add 1 to 18 pounds of this product per ton of pulp (or paper) dry basis as a sludge dose. Repeat until control is achieved. Heavy fouled systems must be cleaned before initial treatment.

This product is ONLY FOR USE IN NON-FOOD APPLICATION, such as Brown Paper Mills, Pulp, PAPER, AND PAPERBOARD MILLS:

Environments:

- Paper 
- Pulp, PAPER, AND PAPERBOARD MILLS:
- Hydrostatic sterilizers and retorts, air washing systems equipped with a mist eliminator, and industrial air scrubbing systems.
- Add this product at a point of uniform mixing such as the basin area.
- Treatment is necessary.
- This product is used in the treatment area where mixing of the product
- The treatment system is noticeable fouled, add 26 to 77 fluid ounces of this product per 1000 gallons (200 to 600 milliliters/1000 liters) of water contained in the system. Repeat until control is achieved.
- When used as directed, this product effectively controls algae, bacterial, and fungal slime in commercial and industrial cooling towers, evaporative condensers, heat exchange water systems, evaporative coolers, dairy systems, industrial process water systems, brewery pasteurizers, can warmers, hydrotreating and scrubbers, air washing systems equipped with a mist eliminator, and industrial air scrubbing systems. Add this product at a point of uniform mixing such as the basin area.
- This product is ONLY FOR USE IN NON-FOOD APPLICATION, such as Brown Paper Mills, Kraft Paper, Newspaper and similar paper products. Treat water at critical areas in the system where mixing of the product
- Heavy fouling system must be cleaned before treatment is begun. When used as directed, this product effectively controls algae, bacterial, and fungal slime in commercial and industrial cooling towers, evaporative condensers, heat exchange water systems, evaporative coolers, dairy systems, industrial process water systems, brewery pasteurizers, can warmers, hydrotreating and scrubbers, air washing systems equipped with a mist eliminator, 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 3 to 30 pounds of this 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 initial treatment.
- Subsequent Dose: When biological control is evident, add 1 to 18 pounds of this product per ton of pulp (or paper) dry basis as a sludge dose. Repeat until control is achieved. Heavy fouled systems must be cleaned before initial treatment.

PRODUCT INJECTION SYSTEMS:

- This product is added at a point in the pipeline where uniform mixing will occur. The application must be conducted to ensure maximum distribution of the product through the entire internal surface of the pipeline. Follow dosing instructions by enhanced oil recovery systems.

GAS OCCURRENCES AND SYSTEMS:

- This product is an enhanced oil recovery system. Individual injection wells must be treated with a sufficient quantity of product to produce a concentration of 100-1000 ppm of product when diluted by the water present in the formation. Injection must be repeated as needed to maintain control.

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- Hydrotesting:
- Water used in hydrotesting pipelines or vessels must contain 100-1000 ppm of product, depending on water quality and test environment.

HYDROTESTING:

- Pipeline pigging and scrubbing operations:
- Add the product to a slug of water immediately following the scrubber (usually this water volume can be kept to a minimum and contained between the scrubber and a trailing pig). Efficient product must be added to produce a concentration of 100-1000 ppm of product in the water at the discharge point or stop depending on the length of the pipeline and the severity of fouling.

DRILLING, PACKER, COMPLETION, WORKOVER AND FRACTURING FLUIDS:

The product must be added to these fluids at a point where uniform mixing will occur. Add 100-1000 ppm of product to a thoroughly mixed fluid downhole 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 added at a point in the system such as a re-heat manifold or makeup water line, where uniform mixing and distribution will occur. Add 200-1000 ppm of product (40-60 ppm active ingredient) depending on severity of microbial contamination in the system. Repeat as needed. FIRE PROTECTION SYSTEMS ARE NOT REGULATED FOR USE IN CALIFORNIA.

STORAGE AND DISPOSAL:

- Do not contaminate water, food, or soil 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 hazardous. Improper disposal of excess pesticide, spray mixtures, or rinsates 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 this Pesticide Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL:
- Non-Refillable containers. Do not reuse or refill this container. Offer for recycling, if available. Triple rinse container and return empty, or store temporarily.

DISTRIBUTED BY:
- U.S. WATER SERVICES
- 12270 43RD STREET NE
- ST. MICHAEL, MN 55376

UN2922. Corrosive liquids, toxic, n.o.s., 8(6.1), PGI, (Tributyltetradecylphosphonium Chloride)

NET CONTENTS:
- Lbs Lot #: 83451-16-71675_Biotrol 355_20160630_71675_.pdf