

2024-2636
2024-08-07

Biotrol 407

MICROORGANISM CONTROL IN CHEMICAL,
INDUSTRIAL AND COMMERCIAL RECIRCULATING COOLING WATER SYSTEM AND HEAT
TRANSFER SYSTEM, PULP & PAPER MILL INFLUENT WATER SYSTEMS, AND AIR WASHERS

SOLUTION

COMMERCIAL

DANGER

CORROSIVE

TO EYES AND SKIN

READ THE LABEL BEFORE USING

REGISTRATION NO.: 32155
PEST CONTROL PRODUCTS ACT

KEEP OUT OF REACH OF CHILDREN

ACTIVE INGREDIENT:

Available chlorine present
as trichloro-s-triazinetrione..... 7.45%
Sodium Bromide 10.09%

Kurita Canada Inc.
33 McIntyre Drive
Kitchener, ON N2R 1E4
TEL: 866-663-7633
PHONE IN CASE OF EMERGENCY: (800) 255-3924
(24 HOURS)

DIRECTIONS FOR USE:**INDUSTRIAL & COMMERCIAL RECIRCULATING COOLING WATER and HEAT TRANSFER**

SYSTEMS (Such as Evaporative Condensers, Hydrostatic Sterilizers and Retorts): Wear goggles and a face shield, chemical-resistant coveralls over long-sleeved shirt, long pants, and chemical resistant gloves and footwear when handling the concentrate and contacting treated process fluids. For use with closed loading and transfer systems only. Biotrol 407 should be applied directly to the cooling water at any section of the system where sufficient mixing will occur. This product should be applied to the cooling water to provide a total bromine level of 4.5-9 ppm. Biotrol 407 added at a rate of 15.3 mL per 1000 Liters of water gives a dosage of approximately 2.2 ppm of total bromine, but several times that dosage may be required to provide the total bromine level 2.2 ppm throughout the systems. The total bromine level should be checked with a test kit and additional product applied until a reading of 9 ppm is obtained at the bleed-off point. Some systems may be maintained in satisfactory biological condition by applying this dosage once per day while others will respond better to dosages less than once per day. Toxic to aquatic organisms. DO NOT discharge effluent containing this product or the biocide produced into sewer systems, lakes, streams, ponds, estuaries, oceans or other waters unless the effluent has been detoxified by suitable means.

FOR PULP & PAPER MILL INFLUENT WATER SYSTEMS

Biotrol 407 should be applied to the raw water intake prior to the filter house, economizer, or process water. Feed at a dosage sufficient to provide a total bromine level of 4.5 – 9.0 ppm. Biotrol 407 at a dosage of 15.3mL per 1,000 L of water gives a dosage of approximately 2.2 ppm of total bromine, but several times that dosage may be required to provide a total bromine level of 2.2 ppm throughout the system. The total bromine level should be checked with a test kit and additional product applied until a reading of 4.5 – 9.0 ppm is obtained. Some systems may be maintained in satisfactory biological condition by applying this dosage intermittently while others may require a continuous application. Note this product is not to be used in the production of paper, paperboard or related materials that may come into contact with food.

AIR WASHERS

For control of microorganisms in industrial air washer systems equipped with mist eliminating components, add a sufficient amount of Biotrol 407 to the air washer sump of chill water to provide a total bromine level of 4.5 – 9.0 ppm. Badly fouled systems must be cleaned before treatment is begun. Biotrol 407 at a dosage of 15.3 mL per 1,000 Liters of water gives a dosage of approximately 2.2 ppm of total bromine, but several times that dosage may be required to provide a total bromine level of 2.2 ppm throughout the system. The total bromine level should be checked with a test kit and additional product applied until a reading of 4.5 – 9.0 ppm

is obtained at the bleed-off point. Some systems may be maintained in satisfactory biological condition by applying this dosage once per day while others will respond better to dosages less than once per day.

NOTE: Halogen dosages listed in the various applications are expressed as bromine. Since most field test kits for oxidizing halogens give values in terms of chlorine, simply multiply the reading from the test kit (as chlorine) by 2.25 in order to obtain the bromine equivalency listed in these directions.

PRECAUTIONS:

KEEP OUT OF REACH OF CHILDREN. Corrosive to eyes and skin. Do not get in eyes, on skin or clothing. May be fatal if swallowed or inhaled. Do not swallow. Do not breathe vapor or mist. Wear goggles and a face shield, chemical-resistant gloves, long pants, a long-sleeved shirt, shoes and socks when handling this product. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse. For use in closed transfer and mixing systems only.

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. The requirements of applicable laws should be determined before using the product.

Do not contaminate water by cleaning of equipment or disposal of waters. Apply this product only as specified on this label.

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 centre 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 centre 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, preferable by mouth to mouth, if possible. Call a poison control centre or doctor for treatment advice.

IF SWALLOWED: Call a poison control centre 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 a poison control centre. Do not give anything by mouth to an unconscious person.

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Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

TOXICOLOGICAL INFORMATION:

Aspiration may cause lung damage. Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsions may be needed. Treat symptomatically.

DISPOSAL:

For Containers:

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 the disposal of unused, unwanted product, contact the manufacturer or the Provincial Regulatory Agency. Contact the Manufacturer and the Provincial Regulatory Agency in case of spill and for clean-up of spills.

STORAGE:

Keep product out of direct sunlight. Store in a cool, well-ventilated area, protected from sunlight. Keep containers thoroughly closed when not in use. Do not store below freezing. If frozen, warm slowly until product is liquid. Store in original plastic container only.

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.

NON-SAFETY ADVERSE EFFECTS: Over-use of Biotrol 407 can cause corrosion to metal surfaces. Use a reliable test kit to make sure the product is dosed within the ranges specified on the label.

Lot No.:

TDG Shipping Name:

Corrosive liquid, n.o.s. (bromide salts); 8, UN1760, PG II