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CHEMTREAT CL-47

MICROORGANISM CONTROL CHEMICAL
SOLUTION

Industrial And Commercial Recirculating Cooling Water Systems

COMMERCIAL

DANGER



CORROSIVE

DANGER – CORROSIVE TO EYES AND SKIN

READ THE LABEL BEFORE USING

GUARANTEE:

Sodium Hypochlorite 6.36%
Sodium Bromide 9.23%

REGISTRATION NO.: 28282
PEST CONTROL PRODUCTS ACT

NET CONTENTS: (18.9,114, 208, 1041, 1136) LITRES

Manufactured for:
ChemTreat, Inc.
4461 Cox Road
Glen Allen, Virginia 23060
804-935-2000

In case of emergency endangering life or property involving this product, call collect
(225) 334-7147

Not registered for use in the United States of America.

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.

DIRECTIONS FOR USE:

INDUSTRIAL AND COMMERCIAL RECIRCULATING COOLING WATER SYSTEMS - CHEMTREAT CL-47 should be applied directly to the cooling water at any section of the system where sufficient mixing will occur. CHEMTREAT CL-47 should be applied to the cooling water to provide a total bromine level of 4.5 - 9.0 ppm.

CHEMTREAT CL-47 at a dosage of 15.3 mL 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 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.

INDUSTRIAL PASTEURIZERS - (Such as food, beverage and industrial process pasteurizers) - For control of bacteria and fungi in industrial pasteurizers add 26.4 to 52.8 mL per 1,000 L of system water to achieve control. To maintain control, add sufficient CHEMTREAT CL-47 to maintain 4.5 - 9.0 ppm total bromine throughout the system. (15.3 mL per 1,000 L of water yields 2.2 ppm total bromine).

FOR PULP & PAPER MILL INFLUENT WATER SYSTEMS - CHEMTREAT CL-47 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. CHEMTREAT CL-47 at a dosage of 15.3 mL 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 a satisfactory biological condition by applying this dosage intermittently while others may require a continuous application.

AIR WASHERS - For control of microorganisms in industrial air washer systems equipped with mist eliminating components.

For control of microorganisms in industrial air washer systems, add sufficient CHEMTREAT CL-47 to the air washer sump or chill water to provide a total bromine level of 4.5 - 9.0 ppm. Badly fouled systems must be cleaned before treatment is begun. CHEMTREAT CL-47 at a dosage of 15.3 mL 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 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.

HEAT TRANSFER SYSTEMS - (Such as evaporative condensers, hydrostatic sterilizers and retorts.) - CHEMTREAT CL-47 should be used at the same application

rates, and in the same manner as described above. It should be added to the system at a point of uniform mixing such as a basin area, sump area, or other reservoir or collecting area from which the treated water will be circulated uniformly throughout the system.

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: DANGER. 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 vapour or mist.

Wear goggles and face shield, protective coveralls, long pants, long sleeve shirt, boots and chemical resistant gloves when handling the 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.

FIRST AID

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 or doctor. Do not give anything by mouth to an unconscious person.

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

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.

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.

DISPOSAL:

Returnable Totes:

Do not reuse this container for any purpose. For disposal, this empty container may be returned to the point of purchase (distributor/dealer).

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 a spill, and for clean up of spills.

All Other 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 a spill, and for clean up of spills.

ENVIRONMENTAL HAZARD:

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 wastes.

This label transcript service is offered by the Pest Management Regulatory Agency to provide efficient searching for label information. This service and this information do not replace the official hard-copy label. The PMRA does not provide any guarantee or assurance that the information obtained through this service is accurate, current or correct, and is therefore not liable for any loss resulting, directly or indirectly, from reliance upon this service.