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Ecolab

WCS 215

Water Treatment Microbiocide

SOLUTION

ITEM CODE: **84333**

NET CONTENTS:

A microbiocide for use in controlling slime-forming bacteria, sulfate-reducing bacteria, and algae in air washers and industrial scrubbing systems, service water and auxiliary systems, recirculating cooling and process water systems including those that contain reverse osmosis membranes, and wastewater systems including wastewater sludge and holding tanks.

GUARANTEE: Glutaraldehyde15.0%

REGISTRATION NO. 25707 PEST CONTROL PRODUCTS ACT

EPA EST. NO.: 1677-IL-2 (J), 1677-NJ-1 (W), 1677-TX-1 (G), 1677-CA-1 (S), 1677-CA-2 (R), 1677-GA-1 (M), 1677-MN-1 (P), 1677-OH-1 (H), 1677-MO-1 (K). The superscript refers to the first letter of the date code.

**COMMERCIAL
DANGER**

CORROSIVE

READ THE LABEL BEFORE USING

Not registered for use in the United States of America.

Manufactured in the U.S.A. for Ecolab Ltd. – Water Care Services 5105 Tomken Road, Mississauga, Ontario L4W 2X5 © 1998 Ecolab Inc. 732418/2700/1098 All Rights Reserved

**PRECAUTIONS
HAZARDS TO HUMANS
DANGER**

KEEP OUT OF REACH OF CHILDREN

Corrosive. Causes irreversible eye damage. Causes skin irritation. Harmful if inhaled. Harmful if swallowed. Prolonged or frequently repeated skin contact may cause allergic skin reactions in some individuals. Causes asthmatic signs and symptoms in hyper-reactive individuals. Do not get in eyes, on skin, or on clothing. Do not inhale fumes or vapor. Do not swallow. Wear face shield, goggles, and coveralls over long-sleeved shirt and long pants, chemical-resistant gloves, socks and chemical-resistant footwear during mixing, loading, application, clean-up and repair. Wash thoroughly with soap and water after handling. Use only in well ventilated area. Remove contaminated clothing and shoes and wash them before reuse.

FIRST AID

If in Eyes: Hold eye open and rinse slowly and gently with water for 30 minutes. Remove contact lenses, if present, after the first 5 minutes and continue washing. Call a poison control centre or doctor immediately 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, preferably by mouth-to-mouth, if possible. Call a poison control centre or doctor for further treatment advice. **If Swallowed:** Call a poison control centre or doctor immediately for treatment advice. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give any liquid to the person. Do not give anything by mouth to an unconscious person.

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 convulsion may be needed.

ENVIRONMENTAL HAZARDS

This product is toxic to 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 discharge effluent containing this product into sewer systems, lakes, streams, ponds, estuaries, oceans or other waters.

DISPOSAL

1. Triple or pressure-rinse the empty container. Add the rinsings to the treatment site.
2. Follow provincial instruction 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 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.

STORAGE AND HANDLING

To prevent contamination store this product away from food and feed.

WCS 215 Water Treatment Microbiocide solutions are incompatible with many commonly used materials of construction such as steel, galvanized iron, aluminum, tin and zinc. These solutions can be stored and handled in baked phenolic-lined steel, polyethylene, stainless steel, or reinforced epoxy-plastic equipment. This product freezes at about -6.5°C. Therefore, unless the storage tank is inside or underground, heating and insulation may be required. If heating is needed, exposure to high temperatures should be avoided. For short storage times (up to about 1 month), temperatures of up to 38°C can be tolerated but the preferred maximum storage temperature is about 27°C. A stainless steel centrifugal pump is suggested for transfer service. Spiralwound stainless steel with Teflon® is suitable for gaskets and packing.

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

DO NOT open pour more than 20 L of concentrate per day. Use an automatic addition system if using more than 20 L of concentrate per day.

DO NOT contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.

DO NOT discharge effluent containing this product into sewer systems, lakes, streams, ponds, estuaries, oceans or other waters.

AIR WASHERS AND INDUSTRIAL SCRUBBING SYSTEMS/ RECIRCULATING COOLING AND PROCESS WATER SYSTEMS

This product may be used only in industrial air washers and air washer systems which have mist-eliminating components. WCS 215 Water Treatment Microbiocide should be added to a water treatment system at a point of uniform mixing such as the basin area. Additions may be made intermittently (Slug Dose) or continuously. Badly fouled systems can be shock treated with WCS 215 Water Treatment Microbiocide. Under these conditions, blowdown should be discontinued for up to 24 hours or more. WCS 215 Water Treatment Microbiocide can be used in industrial process water systems that contain ultrafiltration units and non-medical reverse osmosis membranes (where approved for compatibility by the membrane manufacturer) and associated distribution systems.

INTERMITTENT (SLUG DOSE) METHOD Initial Dose: When the system is noticeably fouled,

apply 333 mL to 1.3 L of WCS 215 Water Treatment Microbiocide per 1000 liters of water in the system. Repeat until control is achieved. **Subsequent Dose:** When microbial control is evident, add 100 mL to 333 mL of WCS 215 Water Treatment Microbiocide per 1000 liters of water in the system weekly, or as needed to maintain control. Badly fouled systems must be cleaned before treatment is begun.

CONTINUOUS FEED METHOD Initial Dose: When the system is noticeably fouled, apply 333 mL to 1.3 L of WCS 215 Water Treatment Microbiocide per 1000 liters of water in the system. Repeat until control is achieved.

Subsequent Dose: Maintain this treatment level by starting a continuous feed of 50 mL to 333 mL of WCS 215 Water Treatment Microbiocide per 1000 liters of water in the system per day. Badly fouled systems must be cleaned before treatment is begun.

SERVICE WATER AND AUXILIARY SYSTEMS

WCS 215 Water Treatment Microbiocide 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 that will allow uniform mixing throughout the system.

HEAT TRANSFER SYSTEMS

(Evaporative Condensers, Dairy Sweetwater Systems, Hydrostatic Sterilizers and Retorts, and Pasteurizers and Warmers and Once-Through Cooling Water Systems)

WCS 215 Water Treatment Microbiocide 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.

INDUSTRIAL WASTEWATER SYSTEMS

(Wastewater Systems, Wastewater Sludge and Wastewater Holding Tanks)

WCS 215 Water Treatment Microbiocide should be added to a wastewater system or sludge at a convenient point of uniform mixing such as to the digester. Add 1.5 to 7.5 liters (1500 to 7500 ppm) of WCS 215 Water Treatment Microbiocide per 1000 liters of wastewater or sludge.

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