

Ecolab

WCS 245

Water Treatment Microbiocide

ITEM CODE:82745

NET CONTENTS: 21 kg (47 lbs)

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.

REGISTRATION NO. 25706
PEST CONTROL PRODUCTS ACT

GUARANTEE:
Glutaraldehyde45.0%

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

POISON

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
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PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS DANGER

KEEP OUT OF REACH OF CHILDREN

Corrosive. Causes irreversible eye damage. Causes skin burns. Harmful if inhaled. Harmful or fatal if swallowed. Harmful if absorbed through skin. Prolonged or frequently repeated skin contact may cause allergic 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. When handling the concentrate and during cleaning, maintenance and repair activities on contaminated equipment, wear goggles and face shield, chemical-resistant gloves, protective clothing (ie: long sleeve shirt, long pants and apron) and boots. 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 INSTRUCTIONS

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, 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.

DISPOSAL

1. Triple or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
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

WCS 245 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 -17°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. Spiral wound 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

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 that have mist-eliminating components. WCS 245 Water Treatment Microbiocide should be added at the application rates described below, to a water treatment system at a convenient 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 245 Water Treatment Microbiocide. Under these conditions, blow down should be discontinued for up to 24 hours. WCS 245 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 111 mL to 444 mL of WCS 245 Water Treatment Microbiocide per 1000 liters of water in the system. Repeat until control is achieved.

Subsequent Dose: When microbial control is evident, add 33 mL to 111 mL of WCS 245 Water Treatment Microbiocide per 1000 liters of water to 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 111 mL to 444 mL of WCS 245 Water Treatment Microbiocide per 1000 liters of water in the system.

Subsequent Dose: Maintain this treatment level by starting a continuous feed of 16 mL to 333 mL of WCS 245 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 245 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 245 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 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 245 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 0.5 to 2.5 liters (500 to 2500 ppm WCS 245 Water Treatment Microbiocide) per 1000 liters of wastewater or sludge.

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