



WCS 245

Commercial Microbiocide

ITEM CODE: **84341**

Net Contents: 5 U.S. gal/19 L
Net Weight: 46 lb/21 kg

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CORROSIVE: Causes irreversible eye damage. Causes skin irritation. Harmful if inhaled, swallowed or absorbed through the skin. May cause allergic skin reactions. Causes asthmatic signs and symptoms in hyper-reactive individuals. Do not get in eyes, on skin, or on clothing. Avoid breathing vapors. Not to be used as an aerosol. Do not swallow. Wear eye goggles, rubber gloves, and protective clothing: including long-sleeved shirt, long pants, shoes, socks, chemical-resistant gloves and chemical-resistant apron. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

ENVIRONMENTAL HAZARDS

This product is toxic to fish, aquatic invertebrates, oysters and shrimp. Do not discharge effluent containing 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.

CONDITIONS FOR SALE

The Directions for Use of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risk inherently associated with use of this product. Ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or use of the product in a manner inconsistent with its labeling, all of which are beyond the control of the Seller. All such risks shall be assumed by the Buyer. The manufacturer warrants that this product conforms to the chemical description on the label and is reasonably fit for the purpose referred to above.

THE MANUFACTURER MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY. IN NO CASE SHALL THE MANUFACTURER BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGE RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

The manufacturer offers this product, and the Buyer and User accept it, subject to the foregoing Conditions of Sale and Warranty which may be varied only by agreement in writing signed by duly authorized representative.

BEFORE HANDLING OR USING, READ AND UNDERSTAND CURRENT MATERIAL SAFETY DATA SHEET FOR THIS PRODUCT.



NOTICE

Do Not Ship or Store with Food, Feeds, Drugs, or Clothing

Instructions in Case of Spills or Leaks: Wear goggles, rubber gloves, and protective clothing. Absorb spills and leaks with inert material such as sand, clay or vermiculite. Shovel into a sealable container and dispose of in an authorized EPA disposal facility.

In Case of Fire: Use water, carbon dioxide, dry chemical (eg. Sodium bicarbonate) extinguishing medias. Fire fighters should be equipped with self-contained breathing apparatus and turnout gear.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

GENERAL USE DIRECTIONS

Add *WCS 245* at a point of uniform mixing where the treated water will be circulated or mixed throughout the system. Badly fouled systems should be cleaned before treatment begins.

WCS 245 can be applied either intermittently (slug dose) or by continuous feed where stated.

Where appropriate, feed points should be below the water line to minimize vapor.

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

Use only in industrial air washer systems, which have mist-eliminating components. Badly fouled systems can be shock treated by using the highest recommended rate of *WCS 245*. Under these conditions, blowdown should be discontinued for up to 24 hours. Apply by intermittent or continuous feed methods. Add at a place such as the basin area.

Initial Dose: When the system is noticeably fouled, add 12.8-25.6 fluid ounces (111-222 ppm) of *WCS 245* per 1,000 gallons of water in the system. Repeat until control is achieved.

Subsequent Dose: When microbial control is evident, add 5.1 to 12.8 fluid ounces (44-111 ppm) of *WCS 245* per 1,000 gallons of water in the system per day, or as needed to maintain control.

Not for use in industrial scrubbing systems in the State of California.

REVERSE OSMOSIS MEMBRANES:

Use only where approved for compatibility by the membrane manufacturer. Immerse membrane in a tank containing 2,222 to 22,222 ppm *WCS 245* for 6 to 24 hours. *WCS 245* can also be added to in-line recirculating systems of installed out of service osmosis equipment. Add 222 to 2,222 ppm *WCS 245* to the tank on the circulating system and maintain this concentration by periodic addition to counteract any system leakage. Flush the system through with clean water before returning to service.

Not for use in the State of California.

HEAT TRANSFER SYSTEMS

For use in Evaporative Condensers, Hydrostatic Sterilizers and Retorts, and Pasteurizers and Warmers.

Initial Dose: When the system is noticeably fouled, add 12.8-25.6 fluid ounces (111-222 ppm) of *WCS 245* per 1,000 gallons of water in the system.

Subsequent Dose: For maintenance, use a continuous feed of 5.1 to 12.8 fluid ounces (44-111 ppm) of *WCS 245* per 1,000 gallons of water in the system per day.

SERVICE WATER AND AUXILIARY SYSTEMS

Use in systems such as fire reserves, spray paint booths, and emergency cooling water systems. Dose initially at 12.8-25.6 fluid ounces (111-222 ppm) of *WCS 245* per 1,000 gallons of water in the system. Reapply as necessary to maintain this concentration.

Not for use in the State of California.

INDUSTRIAL WASTEWATER SYSTEMS

For use in aerobic and anaerobic, belt pressed, digested and undigested sludges; and holding tanks. Add 0.56 gallons to 2.5 gallons (500 to 2,500 ppm) of *WCS 245* per 1,000 gallons of wastewater or sludge.

Not for use in the State of California.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

PESTICIDE STORAGE: *WCS 245* solutions are corrosive to 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, stainless steel or reinforced epoxy equipment. This product freezes at approximately -20°C (-4°F). 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 (1 month) temperatures up to 100°F can be tolerated; however, the preferred maximum storage temperature is approximately 80°F. Keep away from fire and open flames. A stainless steel centrifugal pump is suggested for transfer service.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate 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 the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Offer for recycling, if available, or discard in trash.



LICENSED

PERIOD **2014-2016** LIC. NO. **9203.401**



Corrosive Liquid,
Acidic, Organic, N.O.S.,
(Glutaraldehyde), UN3265

A broad spectrum *microbiocide* for controlling slime-forming and sulfate-reducing bacteria, fungi, yeast, and algae. For use in air washers and industrial scrubbing systems; recirculating cooling and process water systems; heat transfer systems; service water and auxiliary systems; industrial wastewater systems including wastewater sludge and holding tanks.

ACTIVE INGREDIENT:

Glutaraldehyde.....45.0%

INERT INGREDIENTS:.....55.0%

TOTAL:.....100.0%

KEEP OUT OF REACH OF CHILDREN
DANGER

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 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.

If Swallowed: Call a poison control center 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 the poison control center or doctor. Do not give anything by mouth to an unconscious person.

If Inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

FOR EMERGENCY MEDICAL INFORMATION IN USA OR CANADA,

CALL: 1-800-328-0026.

FOR EMERGENCY MEDICAL INFORMATION WORLDWIDE,

CALL: 1-651-222-5352 (IN THE USA).

Have the product container or label with you when calling a poison control center or a doctor, or going for treatment.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

EPA Reg. No. 1677-206

EPA Est. 1677-CA-2 (R), 1677-MN-1 (P), 1677-TX-1 (D), 1677-OH-1 (H), 1677-IL-2 (J), 1677-GA-1 (M), 1677-CA-1 (S), 1677-WV-1 (V).

Superscript refers to the first letter of date code.

Ecolab Inc., Water Care Services

370 Wabasha Street N.

St. Paul, Minnesota 55102-1390 U.S.A.

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BATCH NUMBER: _____



LICENSED

PERIOD 2011-2013 LIC. NO.



LICENSED

PERIOD 2014-2016 LIC. NO. 9203.401

ECOLAB®

WCS™ 245

Commercial Microbiocide

ITEM CODE: 84343

Net Contents: 55 U.S. gal/208 L
Net Weight: 511 lb/232 kg

A broad spectrum microbiocide for controlling slime-forming and sulfate-reducing bacteria, fungi, yeast, and algae. For use in air washers and industrial scrubbing systems; recirculating cooling and process water systems; heat transfer systems; service water and auxiliary systems; industrial wastewater systems including wastewater sludge and holding tanks.

Table with 2 columns: Ingredient Name and Percentage. Includes Glutaraldehyde (45.0%), Inert Ingredients (55.0%), and Total (100.0%).

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DANGER

FIRST AID

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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.
If Swallowed: Call a poison control center 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 the poison control center or doctor. Do not give anything by mouth to an unconscious person.
If Inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.
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THE MANUFACTURER MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY. IN NO CASE SHALL THE MANUFACTURER BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGE RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

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Corrosive Liquid, Acidic, Organic, N.O.S., (Glutaraldehyde), UN3265