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# AQUARIAN C420

## COMMERCIAL MICROBIOCIDE SOLUTION

**A microbiocide for controlling slime-forming bacteria, sulphate-reducing bacteria, fungi, yeast and algae in air washers and recirculating cooling water systems; service water and auxiliary systems.**

REGISTRATION NUMBER: 28985

PEST CONTROL PRODUCTS ACT

READ LABEL BEFORE USING

INDUSTRIAL

GUARANTEE: Glutaraldehyde.....50%

NET CONTENTS:

DANGER

POISON

DANGER

CORROSIVE

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## **DIRECTIONS FOR USE:**

### **AIR WASHERS AND INDUSTRIAL SCRUBBING SYSTEMS, RECIRCULATING COOLING AND PROCESS WATER SYSTEMS:**

This product may be used only in industrial air washer systems, which have mist-eliminating components. Aquarian C420 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. Addition may be made intermittently (SLUG DOSE) or continuously. Badly fouled systems can be shock treated with Aquarian C420. Under these conditions, blowdown should be discontinued for up to 24 hours. Aquarian C420 can be used in industrial process water systems that contain ultra filtration units and non-medical reverse osmosis membranes (where approved for compatibility by the membrane manufacturer) and associated distribution systems. DO NOT open pour more than 20L of concentrate per day. Use an automatic addition system if using more than 20L 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.

### **INTERMITTENT (SLUG DOSE) METHOD:**

Initial Dose: When the system is noticeably fouled, add 100-400ml (100-400ppm) of Aquarian C420 per 1000 litres of water in the system. Repeat until control is achieved.

Subsequent Dose: When microbial control is evident, add 30-100 ml (30-100 ppm) Aquarian C420 per 1,000 litres of water in the system weekly, or as needed to maintain control. Badly-fouled systems must be cleaned before treatment begins.

### **CONTINUOUS FEED SYSTEM:**

Initial Dose: When the system is noticeably fouled, apply 100-400ml (100-400 ppm) of Aquarian C420 per 1000 litres of water in the system.

Subsequent Dose: Maintain these treatments by starting a continuous feed of 15-300ml (15-300 ppm) of Aquarian C420 per 1,000 litres of water in the system per day. Badly-fouled systems must be cleaned before treatment begins.

## **PRECAUTIONS: HAZARDOUS TO HUMANS. DANGER.**

### **KEEP OUT OF REACH OF CHILDREN.**

Corrosive. Causes irreversible eye and skin damage. Causes skin burns. Harmful or fatal if swallowed. Harmful if inhaled. Harmful if absorbed through skin. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Causes asthmatic signs and symptoms in some hyper-reactive individuals. Do not get in eyes, on skin or on clothing. Do not inhale fumes or vapours. Do not swallow. Wear goggles and a face shield, 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 re-use.

**DISPOSAL:**

Triple- or pressure-rinse the empty container. Add the rinsings to the treatment site. Follow provincial instructions for any required additional cleaning of the container prior to its disposal. Make the empty container unsuitable for further use. Dispose of the container in accordance with provincial requirements. 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.

**SPILLAGE:**

Absorb onto sand, earth or inert mineral. Sweep up and remove the spillage to a polythene lined container for subsequent correct disposal. Clean the area with detergent and water.

**TOXICOLOGICAL INFORMATION:**

Corrosive. This product may produce a sensitisation response or allergic reaction in some individuals. Treat symptomatically.

**ENVIRONMENTAL HAZARDS:**

Toxic to aquatic organisms.

**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.

**NOTICE TO USER:**

This 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.

**STORAGE:**

Aquarian C420 solutions are corrosive to many commonly used materials of construction such as steel, galvanised 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  $-20^{\circ}\text{C}$  ( $-4^{\circ}\text{F}$ ). 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  $38^{\circ}\text{C}$  ( $100^{\circ}\text{F}$ ) can be tolerated; however, the preferred maximum storage temperature is approximately  $27^{\circ}\text{C}$  ( $80^{\circ}\text{F}$ ). Keep away from fire and open flames. A stainless steel centrifugal pump is suggested for transfer service. To prevent contamination, store this product away from food or feed.

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