

# TECHNICAL DATA REPORT

AC 7451

## **AQUA CARE 7451** **Air Washer and Cooling Tower Biocide**

### **DESCRIPTION:**

Concentrated high performance biocide designed to control algae, fungi and bacteria in air washers, recirculating and cooling water systems.

### **PURPOSE:**

**AQUA CARE 7451** will control algae, bacteria and fungi when used as according to instructions. Especially effective on sulphate reducing bacteria such as found in petroleum enhanced recovery systems.

### **HOW TO USE:**

**1) Cooling tower systems:** Prior to use in water cooling towers, systems should be cleaned to remove organic, inorganic and microbiological deposits. Apply an initial slug addition of 800 to 1200 ml of **AQUA CARE 7451** per 10,000 L. of water in the system. Repeat this initial dose until control is evident. Subsequent slug additions of 400 to 1200 ml per 10,000 litres of water should be added every 2 to 5 days or as needed. The frequency of addition will depend on the relative amount of bleedoff and the severity of the microbiological problem.

**2) Industrial air washing systems:** Prior to use in air washers, systems should be cleaned to remove organic, inorganic and microbiological deposits. An initial slug addition of 186 to 236 ml of **AQUA CARE 7451** per 1000 L. of water should then be added to the sump or the water collector trays. Repeat this initial dose until control is evident. Subsequent slug additions of 86 to 236 ml per 1000 litres of water should be added every 1 to 5 days or as needed. The frequency of addition will depend on the relative amount of bleedoff and the severity of the microbiological problem. For use only in systems equipped with effective mist eliminating components.

### **MAIN USERS:**

Industrial buildings, pulp and paper industries, textile industries, dairies, breweries, meat packing plants, poultry plants and other food processing plants of all kinds.

### **ADVANTAGES:**

- 1) Penetrates biomass.
- 2) Very low toxicity in usage.
- 3) Chloride free; suitable for stainless steel.
- 4) Non foaming.
- 5) Biodegradable.
- 6) Liquid form, instantly soluble.
- 7) Extremely effective against fungi.

### **PRECAUTIONS:**

Avoid contact with eyes, contains mildly alkaline ingredients. In case of contact with eyes, flush for 15 minutes with water and get medical attention. Can cause skin irritation, wear rubber gloves when handling undiluted material. Keep out of reach of children.

**DISPOSAL:** Rinse the emptied container thoroughly and 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 and the cleanup of spills, contact the regional office of

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**SPECIFICATIONS:**

Environmental Protection, Environment Canada.  
Read Material Safety Data Sheet.

Physical form . . . . . Liquid  
Colour . . . . . Green  
pH (Concentrate) . . . . . 11.0 - 12.0  
Specific gravity . . . . . 1.05