



### Directions for Use

# PCA 10

#### ACTIVE INGREDIENT(S)

Poly[oxyethylene(dimethyliminio)ethylene(dimethyliminio)ethylene dichloride]	10.0%
INERT INGREDIENTS	90.0%
TOTAL	100.0%

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

PCA 10 is used to control algae, bacteria, and fungi in recirculating commercial and industrial cooling towers and recirculating cooling systems. Prior to its use, systems should be cleaned to remove existing algal growth, microbiological slime, and other deposits. An initial slug addition of 5.8 to 14.6 fluid ounces of PCA 10 per 1000 gallons of water to provide 48 to 120 ppm PCA 10, based on the total weight of water in the system, is recommended. Repeat initial dosage until control is evident. Subsequent slug additions of 1.46 to 14.6 fluid ounces of PCA 10 per 1000 gallons of water (12 to 120 ppm PCA 10) should be employed every 2 to 5 days, or as needed. The frequency of addition depends upon the relative amount of bleedoff and the severity of the microbiological problem.

PCA 10 is used to control bacteria in industrial air-washing systems that maintain effective mist eliminating components. Prior to its use, systems should be cleaned to remove bacterial slime and other deposits. An initial slug dose of 22.2 to 36.6 fluid ounces of PCA 10 per 1000 gallons of water is recommended. Repeat initial dosage until control is evident. Subsequent slug additions of 15 to 36.6 fluid ounces of PCA 10 per 1000 gallons of water should be employed each 1 to 5 days, or as needed. The frequency of addition depends on the relative amount of bleedoff and the severity of the bacterial problem. Slug additions may be made to the sump or the water collection trays of the airwash systems.

PCA 10 is used to control the growth of algae in recreational water systems such as pools, spas, whirlpools, and hot tubs. PCA 10 can also be used to control algae growth in decorative fountains and ponds. For optimum results, systems containing heavy algae growth should be cleaned prior to using PCA 10.

For recreational water systems having just visible algae growth, add 22 to 60 fluid ounces of PCA 10 per 10,000 gallons of water. Maintain re-circulation of the pool during treatment and removed settled algae debris. Repeat treatment every 3 - 5 days until algae growth has been removed. Brush walls and floors between applications. For treatment of freshly cleaned and filled recreational water add 12 to 22 fluid ounces of PCA 10 per 10,000 gallons of water. Subsequent additions of 4 to 8 fluid ounces of PCA 10 per 10,000 gallons of water should be made every 5 to 7 days after initial treatment for maintenance.

For decorative fountains and ponds having just visible algae growth, add an initial dose of 1.2 to 4 fluid ounces of PCA 10 per 1000 gallons of water. For treatment of freshly cleaned decorative fountains or ponds, add 0.4 to 2.0 fluid ounces of PCA 10 per 1000 gallons of water every 5 to 7 days for maintenance.

PCA 10 will control and prevent most algae growths during off-season winter months when recreational water systems are not in use. For systems which have been properly treated during the summer months, and are free of visible algae growth, add 20 to 40 fluid ounces of PCA 10 per 10,000 gallons of water. If, at the end of the swimming season, systems have some visible algae growth, add 40 to 60 ounces of PCA 10 per 10,000 gallons of water. It is necessary that a uniform distribution of algacide is obtained throughout the water for maximum effectiveness. If recreational water systems, such as pools and spas, are not covered during the off-season, it may be necessary to repeat treatment one or more times during the season. PCA 10 is compatible at use levels with other chemicals normally employed to treat recreational water systems. To prevent water cloudiness during treatment, do not add chlorinated shock treatments when applying PCA 10. Do not mix PCA 10 with concentrated dry or liquid chlorine products.

### KEEP OUT OF REACH OF CHILDREN CAUTION

FIRST AID	
If in Eyes	- Hold eyes 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 further treatment advice.
If on Skin, Clothes	- Take off contaminated clothing. - Rinse skin immediately with plenty of water for 15-20 minutes. - Call a poison control center for treatment advice.
If Ingested	- Call 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 by mouth-to-mouth if possible. - Call a poison control center or doctor for further treatment advice.
HOT LINE NUMBER	
Have the product container or label with you when calling a Poison Control Center or doctor or going for treatment. You may also contact 901-278-0330 or 1-800-BUCKMAN for emergency medical treatment information.	

### Precautionary Statements

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**CAUTION:** Harmful if swallowed. Avoid breathing vapors. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling.

**ENVIRONMENTAL HAZARDS:** This pesticide is toxic to fish and aquatic organisms. 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 Pollutant 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.

**PHYSICAL OR CHEMICAL HAZARDS:** Do not use or store near heat or open flame.

## ACCEPTED

APR 24 2003

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide, registered under EPA Reg. No. 1448-400

Storage and Disposal	
Do not contaminate water, food, or feed by storage or disposal. <b>PESTICIDE STORAGE:</b> Do not stack more than four drums high. Leaking or damaged drums should be placed in overpack drums for disposal. Spills should be absorbed in sawdust or sand and disposed of in a sanitary landfill. Keep container closed when not in use.	
<b>PESTICIDE DISPOSAL:</b> 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.	
<b>CONTAINER DISPOSAL:</b> <b>PLASTIC:</b> Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke. <b>METAL:</b> Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.	
Manufactured by <b>Buckman Laboratories, Inc.</b> 1256 North McLean Blvd., Memphis, Tennessee 38108, USA (901) 278-0330 or 1-800-BUCKMAN	
EPA Est. No.	1448-TN-1
EPA Reg. No.	1448-400
Product Weight	8.7 lbs/gal 1.04 kg/L
Net contents are marked on the container.	
HMS / NPCA Ratings	
Health 3	Flammability 1
Reactivity 1	Last Revision 2/13/2003

1448-400

1448-2003

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