

PCA 10

BUSAN is a registered trademark.

KEEP OUT OF REACH OF CHILDREN CAUTION

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if swallowed. Avoid breathing vapors. Avoid contact with skin, eyes, or clothing.
FIRST AID: If swallowed, drink large quantities of water. Avoid alcohol. Call a physician immediately.
If In Eyes: Flush with plenty of water for at least 15 minutes. Consult a physician if irritation occurs.
In Case of Skin Contact: Wash thoroughly with soap and water. Remove and wash contaminated clothing before reuse. Get medical attention if irritation occurs. If inhaled, move person to a well ventilated place and apply artificial respiration if required. Call a physician.

ENVIRONMENTAL HAZARDS: This pesticide is toxic to fish and aquatic organisms. Do not contaminate water by cleaning of equipment or disposal of waste. 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.

STORAGE AND DISPOSAL

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

STORAGE: 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.

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:

PLASTIC: 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.

METAL: 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.

DIRECTIONS FOR USE

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 a concentration of 48 to 120 parts per million of PCA 10 based on the total weight of water in the system, is recommended. Repeat initial dosage until control is evident.

ACTIVE INGREDIENTS:

Poly(oxyethylene(dimethyliminio)ethylene) 10.0 %
(dimethyliminio)ethylene dichloride)

INERT INGREDIENTS: 90.0 %

Subsequent slug additions of 1.46 to 14.6 fluid ounces of PCA 10 per 1000 gallons of water (12 to 120 parts per million of 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 upon the relative amount of bleedoff and 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 on the pool while treatment and remove settled algae debris. Repeat treatment 3-5 days until algae growth has been removed. Brush walls and floors between applications. For treatment of freshly cleaned and filled recreational water systems 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.

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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 1,000 gallons of water. For treatment of freshly cleaned decorative fountains or ponds, add 0.4 to 2.0 fluid ounces of PCA 10 per 1,000 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 algacide per 10,000 gallons of water. If at the end of the swimming season systems have some visible algae growth, add 40 to 60 fluid ounces 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 the 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 while applying PCA 10. Do not mix PCA 10 with concentrated dry or liquid chlorine products.

ACCEPTED
JUN 3 - 1997
Under The Federal Insecticide, Fungicide and
Herbicide Act, as amended, for the
pesticide registered under
EPA Reg. No. 1448-400

HMS/NPCA RATING

Health 3 Flammability 1 Reactivity 1

Product Weight: 8.7 lbs./gal. 1.03 kg/l
NET CONTENTS MARKED ON CONTAINER

EPA Reg. No. 1448 -

Manufactured By EPA Est. No. 1448-TN-1
BUCKMAN LABORATORIES, INC.
1256 N. McLEAN BLVD., MEMPHIS, TN 38108 USA
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