

1448-400

06-01-2011

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

JUN - 1 2011

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

Dr. Dennis L. Barbee
Buckman, USA
1256 North McLean Blvd.
Memphis, Tennessee 28108

Subject: PCA 10
EPA Registration No.: 1448-400
Application Date: 04/06/2011
Receipt Date: 04/06/2011

Dear Dr. Dennis L. Barbee:

The following amendment submitted in connection with registration under FIFRA, as amended, is acceptable with conditions.

Proposed Amendment

- Update of label per PR Notice 2007-4

Conditions

Revise the label as follows:

- 1) Revise the term "drinking" in the Precautionary Statements to spell out as "drinking."
- 2) Due to the signal word, CAUTION, the first sentence of the pesticide disposal must read "Pesticide wastes may be hazardous."
- 3) As per Mandatory Labeling, PR Notice 2000-5, delete the term "should" in the second or third sentence of the pesticide storage statements and revise the sentence to read:

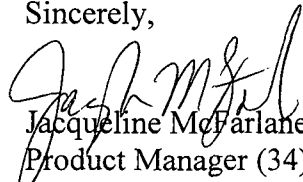
"In case of spills, use sawdust or sand to absorb the spilled pesticide and dispose of in a sanitary landfill."

General Comments

A stamped label with conditions is enclosed for your records. Submit three (3) copies of your final printed label before distributing or selling the product bearing the revised labeling.

Should you have any questions or comments concerning this letter, you may contact me by telephone at (703) 308-6416 or by e-mail at campbell-mcfarlane.jacqueline@epa.gov or Jaclyn Carl by telephone at (703) 347-0213 or by e-mail at carl.jaclyn@epa.gov. When submitting information or data in response to this letter, a copy of this letter should accompany the submission to facilitate processing.

Sincerely,



Jacqueline McFarlane
Product Manager (34)
Regulatory Management Branch II
Antimicrobials Division (7510P)

PCA 10

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ACTIVE INGREDIENT(S)

Poly[oxyethylene(dimethyliminio)ethylene(dimethyliminio)ethylene dichloride]

INERT INGREDIENTS

TOTAL

10.0%
90.0%
100.0%

KEEP OUT OF REACH OF CHILDREN CAUTION

FIRST AID	
If in Eyes	<ul style="list-style-type: none">- 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 further treatment advice.
If on Skin, Clothes	<ul style="list-style-type: none">- 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	<ul style="list-style-type: none">- 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	<ul style="list-style-type: none">- 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 901-767-2722 for emergency medical treatment information.	

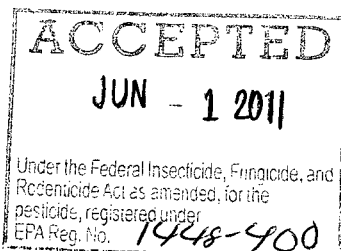
Precautionary Statements

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.



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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. Clean systems prior to use to remove existing algal growth, microbiological slime, and other deposits. Make 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. Repeat initial dosage until control is evident. Make 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) 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, clean the system to remove bacterial slime and other deposits. Make an initial slug dose of 22.2 to 36.6 fluid ounces of PCA 10 per 1000 gallons of water. Repeat initial dosage until control is evident. Make subsequent slug additions of 15.0 to 36.6 fluid ounces of PCA 10 per 1000 gallons of water every 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 sum 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, clean systems containing heavy algae growth 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 remove 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. Make subsequent additions of 4 to 8 fluid ounces of PCA 10 per 10,000 gallons of water 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 4.0 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.

PCA 10

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Storage and Disposal

See attached document for Storage and Disposal.

Manufactured by **Buckman Laboratories, Inc.**
1256 North McLean Blvd., Memphis, Tennessee 38108, USA
(901) 278-0330 or 1-800-282-5626

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.

HMIS / NPCA Ratings

Health 3 Flammability 1 Reactivity 1

**Last
Revision
3/25/2011**

(Nonrefillable Containers, capacity of 5 gallons or less)

Do not contaminate water, food, or feed by storage or disposal. Do not ship with Food, Feed, Drugs, or Clothing.

PESTICIDE STORAGE: Keep container closed when not in use. Spills should be absorbed in sawdust or sand and disposed of in a sanitary landfill.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on-site or at an approved waste disposal facility.

CONTAINER HANDLING: Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for the later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

Then offer for recycling if available or reconditioning, if appropriate, or by other procedures if approved by state and local authorities.

(Nonrefillable Containers, capacity of greater than 5 gallons)

Do not contaminate water, food, or feed by storage or disposal. Do not ship with Food, Feed, Drugs, or Clothing.

PESTICIDE 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 ^{maybe} 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 HANDLING: Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Empty the rinsate into

application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.

Then offer for recycling if available or reconditioning, if appropriate, or puncture and dispose of in a sanitary landfill, or, by other procedures if approved by state and local authorities.

(Refillable Plastic Containers, capacity of greater than 55 gallons)

Do not contaminate water, food, or feed by storage or disposal. Do not ship with Food, Feed, Drugs, or Clothing.

PESTICIDE 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 ^{may be} 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 HANDLING: Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller.

To clean the container prior to refilling or disposal, use a pressure wash as follows: Empty the remaining contents into application equipment or a mix tank. Use a pressure wash system that rinses all interior sides with water and that is rated at >40 psi and >120F. Pressure wash the container for a length of time that ensures that a minimum 25% of the container volume of water is used. During the pressure wash, ensure that the container valve is left open for continuous draining. Collect the rinsate and empty into application equipment or a mix tank or store rinsate for later use or disposal. Allow container to drain for 10 minutes after pressure wash is completed.

(Refillable Plastic Containers, capacity of 55 gallons or less)

Do not contaminate water, food, or feed by storage or disposal. Do not ship with Food, Feed, Drugs, or Clothing.

PESTICIDE STORAGE: Keep container closed when not in use. Spills should be absorbed in sawdust or sand and disposed of in a sanitary landfill.

PESTICIDE DISPOSAL: Pesticide wastes are ^{may be} 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 HANDLING: Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller.

To clean the container prior to refilling or disposal, use a triple rinse wash as follows: Empty the remaining contents from this container into application equipment or a mix tank. Fill the container about 10 percent full with water. Agitate vigorously. Pour or pump rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this rinsing procedure two more times.