

1448-431

04/23/2010

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



Office of Pesticide Programs

Buckman Laboratories, Inc.  
256 N. McLean Blvd.  
Memphis, TN 38108

APR 23 2010

Attention: Carl F. Watson, Ph.D.

**Subject: DIALD 45P**  
EPA Registration No. 1448-431  
Amendment Dated March 16, 2010

The amendment, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, is acceptable.

**Proposed Amendment**

- To Revise Storage and Disposal Section per PR Notice 2007-4

**General Comment**

A stamped copy of the "accepted" label is enclosed for your records.

If you have any questions concerning this letter, please contact Martha Terry at (703) 308-6217.

Sincerely

A handwritten signature in cursive script that reads "M Swindell".

Marshall Swindell  
Product Manager (33)  
Regulatory Management Branch 1  
Antimicrobials Division (7510P)

Enclosure

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# DIALD 45P

with COMMENTS

EPA Letter Dated:

APR 23 2010

# Buckman

### ACTIVE INGREDIENT(S):

Glutaraldehyde 45.0%

INERT INGREDIENTS: 55.0%

TOTAL 100.00%

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide, registered under EPA Reg. No. 1448-431

**KEEP OUT OF REACH OF CHILDREN**

## DANGER

FIRST AID	
<b>If swallowed</b>	<ul style="list-style-type: none"> <li>• Call a poison control center immediately for treatment advice.</li> <li>• DO NOT INDUCE VOMITING</li> <li>• Do not give anything to drink.</li> </ul>
<b>If in eyes</b>	<ul style="list-style-type: none"> <li>• Wash immediately and continuously with flowing water for at least 30 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes and continue washing. Obtain prompt medical consultation, preferably from an ophthalmologist.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
<b>If on skin or clothing</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15–20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If inhaled</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
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.	
NOTE TO PHYSICIAN	
Aspiration may cause lung damage. Probable mucosal damage may contraindicate the use of gastric lavage.	

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Corrosive. Causes irreversible eye damage. Causes skin irritation. Harmful if inhaled. Harmful if swallowed. Harmful if absorbed through skin. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Causes asthmatic signs and symptoms in hyper-reactive individuals. Do not get in eyes, on skin, on clothing. Avoid breathing vapor. Do not swallow. Wear goggles, protective clothing, and butyl or nitrile gloves. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

### ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. 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 sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

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## STORAGE AND HANDLING

DIALD 45P is incompatible with many commonly used materials of construction such as steel, galvanized iron, aluminum, tin, and zinc. DIALD 45P can be stored and handled in baked phenolic-lined steel, polyethylene, stainless steel, or reinforced epoxy-plastic equipment. This product freezes at about 1°F (-17°C). 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 times (up to about 1 month), temperatures of up to 100°F (37.8°C) can be tolerated but the preferred maximum storage temperature is about 80°F (26.7°C).

A stainless steel centrifugal pump is suggested for transfer service. Spiral-wound stainless steel with TEFLON® Polymer is suitable for gaskets and packing.

Handle in a well-ventilated area. If vapors are irritating to the nose or eyes, special ventilation or respiratory protection (MSHA/NIOSH approved air purifying respirator equipped with an organic vapor cartridge) may be required.

## STORAGE AND DISPOSAL

**PESTICIDE DISPOSAL:** Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited. Pesticide wastes are toxic. 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 your Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

### CONTAINER DISPOSAL

(TEXT FOR ALL NONREFILLABLE CONTAINERS)

**NONREFILLABLE CONTAINERS:** Do not reuse or refill this container. Offer for recycling, if available. Triple rinse container (or equivalent) promptly after emptying. **Plastic Containers:** May be incinerated, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke. **Metal Containers:** Must not be incinerated. Do not cut or weld on or near metal containers.

**Liquid residue removal statement for nonrefillable containers with capacity of 5 gals or less:** 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 half 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.

**Liquid residue removal statement for nonrefillable containers with capacity of >5 gals:** Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container half 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 of disposal. Repeat this procedure two more times.

(TEXT FOR ALL NONREFILLABLE CONTAINERS)

Then offer for recycling if available or reconditioning, if appropriate, or puncture and dispose of in a sanitary landfill, or, if allowed by state and local authorities by burning. If burned, stay out of smoke.

(TEXT FOR ALL REFILLABLE CONTAINERS)

**REFILLABLE CONTAINERS:** Refill this container with pesticide only. Do not reuse this container for any other purpose. Clean, empty container before final disposal is the responsibility of the person disposing of the container. Clean before refilling is the responsibility of the refiller.

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**For containers larger than 55 gallons:** 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 >120°F. 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.

**For containers 55 gallons and smaller:** 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.

Do not discharge rinsate containing this product 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 rinsate containing this product to sewer systems without prior approval from the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

Batch code: \_\_\_\_\_

## DIRECTIONS FOR USE

**PAPER MILLS AND PAPER MILL PROCESS WATER SYSTEMS:** DIALD 45P should be added to paper making system at a point of uniform mixing such as the beaters, broke chest pump, save-all tank, or white-water tank. **Initial Dose:** When the system is noticeably contaminated, add 0.6–3.3 lbs of DIALD 45P per ton of pulp or paper (dry basis) as a slug dose. Repeat until control is achieved. Heavily-fouled systems should be boiled out prior to initial treatment. **Subsequent Dose:** When microbial control is evident add 0.3–2.2 lbs of DIALD 45P per ton of pulp or paper (dry basis) as a slug dose as necessary to maintain control.

**PIGMENTS AND FILLER SLURRIES FOR PAPER AND PAPERBOARD:** (For use in food and non-food contact pigments and filler slurries). Use from 0.11 to 0.7 lbs of DIALD 45P per 1,000 lbs dry powder to produce a concentration of 100 to 600 ppm as product (based on slurry solids) in the mixed slurry.

**WATER-BASED COATINGS FOR PAPER AND PAPERBOARD:** (For use in non-food contact coatings only). Use from 0.1 to 0.6 lbs of DIALD 45P per 1,000 lbs dry powder to produce a concentration from 111 to 667 ppm as product (based on slurry solids) in the mixed slurry.

ACCEPTED  
with COMMENTS  
EPA Letter Dated:  
APR 23 2010

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act as  
amended, for the pesticide,  
registered under EPA Reg. No. 1448-43/

**DIALD 45P**

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**Buckman**

**ACCEPTED**  
**with COMMENTS**  
EPA Letter Dated:

**APR 23 2010**

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act as  
amended, for the pesticide,  
registered under EPA Reg. No. **1448-431**

Manufactured by:

**Buckman Laboratories, Inc.**

1256 N. McLean Blvd., Memphis, Tennessee 38108, U.S.A.

(901) 278-0330 or 1-800-282-5626

**EPA Est. No. 10352-WV-2<sup>(A)</sup>; 464-WV-1<sup>(B)</sup>      EPA Reg. No. 1448-431**

(A) 5-gallon pails in pallets; all drums; bulk. (B) Single 5-gallon pails only.

Product Weight: 8.7 lbs/gal    1.04 kg/L

**NET CONTENTS MARKED ON CONTAINER**

**HMIS/NPCA RATING**

Health 3    Flammability 1    Reactivity 0

Revised: 03/11/10