

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



Office of Pesticide Programs

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

APR 20 2010

Attention: Carl F. Watson, Ph.D.

Subject: BUSAN 1192D
EPA Registration No. 1448-372
Amendment Dated March 1, 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 black ink that reads "M Swindell".

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

Enclosure

BUSAN 1192D

BUSAN is a registered trademark.

ACCEPTED
with COMMENTS
EPA Letter Dated:

2 8 4
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ACTIVE INGREDIENT(S)

Chlorothalonil (tetrachloroisophthalonitrile).....

INERT INGREDIENTS.....

TOTAL.....

APR 20 2010

Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide,
registered under EPA Reg. No. 1448-372

40.4%
59.6%
100.0%

Contains 4.17 lbs. chlorothalonil active ingredient per gallon

KEEP OUT OF REACH OF CHILDREN

WARNING AVISO

FIRST AID	
If in Eyes	- 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	- 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	- 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 901-767-2722 for emergency medical treatment information.	
NOTE TO PHYSICIAN	
Probable mucosal damage may contraindicate the use of gastric lavage. Persons having a temporary allergic reaction respond to treatment with antihistamines or steroid creams and/or systemic steroids.	

Precautionary Statements

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

May be harmful if inhaled. Harmful if swallowed or absorbed through skin. Causes moderate eye irritation. Avoid contact with eyes, skin, or clothing. Do not breathe spray mist. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals.

Personal Protection Equipment (PPE): Handlers must wear: long-sleeved shirt and long pants; shoes plus socks; protective eyewear; waterproof gloves (some of the materials that are chemical-resistant to this product are barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, polyethylene, polyvinyl chloride, or viton. If you want more options, follow the instructions for category A on an EPA chemical-resistance category selection chart.) Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. DO NOT reuse them.

User Safety Recommendations: Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing. Users should remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

ENVIRONMENTAL HAZARDS: This pesticide is toxic to aquatic invertebrates and wildlife. 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.

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For Manufacturing Use to Impart Mildew Control on Paint and Stain Films, Adhesives, Caulks and Sealants, and Sapstain on Freshly Sawn Wood, and Decay Protection in Wood Composites

Storage and Disposal

Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited.

PESTICIDE STORAGE: Store in a cool place. Protect from excessive heat.

PESTICIDE DISPOSAL: Pesticide wastes are toxic. Improper disposal of excess pesticide, pesticide formulation or rinseate 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 your EPA regional office for guidance.

CONTAINER DISPOSAL:

(Text for all nonrefillable containers)

Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Triple rinse container (or equivalent) promptly after emptying.

{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 1/4 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 1/4 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.

(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 refillable containers)

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.

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 >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.

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: _____

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

EPA Est. No. 37429-GA-2
EPA Reg. No. 1448-372
Product Weight 10.3 lb/gal 1.24 kg/l

ACCEPTED
with COMMENTS
EPA Letter Dated:
Net contents are marked on the container.
APR 20 2010

HMIS / NPCA Ratings

Health 1 Flammability 0 Reactivity 0

Last Revision

1/29/2010

Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide,
registered under EPA Reg. No. 1448-372

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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.

This product is used to protect treated articles from decay, mold or mildew, including paints and stains, adhesives, caulks, grouts, sealants, wood and wood composites.

This product must not be formulated into a product intended as a mildewcidal paint additive designed for direct sale to retail customers, e.g. in a "pillow pack" or other small volume or one-use package.

This product must not be used to formulate products for use as in-container preservatives.

This product may only be added to paint products that are labeled, A) with product specific instructions for the use of a respirator during application; or B) as follows: 'When applying with a sprayer, wear a dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C), or a NIOSH approved respirator with any R, P, or HE filter. If oil is not present in the paint product or recommended for use as an additive in the paint product, add "N" as an additional filter type.'

Mix contents slowly before using to assure uniform mixture. BUSAN 1192D is an aqueous dispersion containing 40.4% (wt/wt) active ingredient. BUSAN 1192D is to be used in water-based or water-compatible products only.

Latex Emulsion Paints, Stains, and Coatings: Disperse 12.4 to 24.8 pounds (9.6 to 19.3 pints) of BUSAN 1192D per 100 gallons of exterior paint to obtain effective mildew control in the paint film after it is applied. Use the high rate in areas favorable to mildew and mold growth, such as where painted surfaces frequently are warm and moist. BUSAN 1192D, when added to stains designed for exterior wood, also protects the wood from surface molds and mildew stains cause by fungi. Use 6.2 to 12.4 pounds (4.8 to 9.6 pints) of BUSAN 1192D per 100 gallons of interior latex paint. BUSAN 1192D is compatible with zinc oxide in latex paint. BUSAN 1192D can be used with either unmodified or alkyd modified acrylic, or vinyl acrylic, or polyvinyl acetate latexes. BUSAN 1192D can be added into the paint formula during the pigment grind operation, during or after letdown, or post-added to a finished paint product after manufacture. **Note:** If BUSAN 1192D is used to produce post-manufacturing paint additive products, such products must be distributed to and used by only professional personnel engaged in the mixing or blending of paints. Such post-manufacturing paint additive products may not be sold directly to homeowners or non-professional painters. If an in-can preservative is used in combination with BUSAN 1192D, its compatibility with BUSAN 1192D should be examined first. **DO NOT** use in paints designed for applications on food-contact surfaces, or on the interior of buildings engaged in food processing or food handling. **DO NOT** use in paints designed to be handled by children.

Aqueous Adhesives: BUSAN 1192D may be incorporated into adhesives to protect the applied adhesive films from mold growth and decomposition. Fully disperse 12.4 to 24.8 pounds of BUSAN 1192D per 1,000 pounds of adhesive while it is being manufactured. Use the high rate in areas favorable to mildew and mold growth, such as where surfaces frequently are warm and moist. **DO NOT** use in adhesives designed for applications on food-contact surfaces, or on the interior of buildings engaged in food processing or food handling.

Aqueous Caulks and Sealants: To provide mildew and mold control on caulking or sealing deposits after application, fully disperse 1.25 to 12.5 pounds of BUSAN 1192D per 1,000 pounds of caulk or sealant products while they are being manufactured. The high rate is recommended for exterior caulks. **DO NOT** use in caulks designed for applications on food-contact surfaces, or on the interior of buildings engaged in food processing or food handling.

Freshly Sawn Wood: To prevent sapstain and surface mold growth on freshly sawn wood, mix BUSAN 1192D into water-based dip treatment suspensions at the rate of 5 to 10 pounds (1/2 to 1 gallon) per 100 gallons of water. Use the high rate if the wood to be treated is expected to remain in undried condition for a prolonged period. Dip freshly-sawn wood products into the treatment suspension for sufficient time to permit thorough coating of the wood surfaces. Maintain thorough agitation of the treatment suspension while wood is being treated. Store treated wood in an area that is not subject to runoff into surface waters. Do not dispose of spent treatment suspensions in any manner that may contaminate soil or water:

Composite Wood Products: To provide decay protection for composite wood products, such as fiberboard or particle board that is to be used for building, sheathing, construction timbers, decking or planking, incorporate BUSAN 1192D into the wood composite material while it is being manufactured. Use 1.25 to 12.5 pounds of BUSAN 1192D per cubic foot volume of final wood composite. The high loading rate should be used in composite wood products that are intended to be installed in contact with soil or concrete, or where the wood is intended to be exposed to conditions with continuously high levels of moisture. Thoroughly incorporate BUSAN 1192D into composite material as it is being ground, mixed or blended with adhesives or binding materials prior to final formation of the wood matrix.

ACCEPTED
Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide,
registered under EPA Reg. No. 1448-572