



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

January 7, 2021

Graham Hillhouse  
Buckman Laboratories  
1256 McLean Blvd  
Memphis TN 38108

Subject: Notification per PRN 98-10 – Revise, update, correct typos under container disposal, update logo, emergency phone number  
Product Name: Busan 1192D  
EPA Registration Number: 1448-372  
Application Date: July 21, 2020  
Decision Number: 564948

Dear Mr. Hillhouse:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 for the above referenced product. The Antimicrobials Division (AD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10.

The label submitted with the application has been stamped “Notification” and will be placed in our records.

Should you wish to add/retain a reference to the company’s website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product’s label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA’s Office of Enforcement and Compliance.

If you have any questions, you may contact Zebora Johnson at (703) 308-7080 or via email at [johnson.zebora@epa.gov](mailto:johnson.zebora@epa.gov).

Sincerely,

*Zebora Johnson*

For

John Hebert, Branch Chief  
Regulatory Management Branch I  
Antimicrobials Division (7510P)  
Office of Pesticide Programs



**NOTIFICATION**

1448-372

The applicant has certified that no changes, other than those reported to the Agency have been made to the labeling. The Agency acknowledges this notification by letter dated:

01/07/2021

# BUSAN<sup>®</sup> 1192D

**ACTIVE INGREDIENT(S)**

Chlorothalonil (tetrachloroisophthalonitrile) .....40.4%

**OTHER INGREDIENTS** ..... 59.6%

**TOTAL** .....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 <b>CHEMTREC at 1-703-741-5970</b> 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 exists, 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.

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 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 your EPA regional office for guidance.

CONTAINER DISPOSAL:

**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 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.

**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 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.

**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.

**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 >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: _____	
<b>Sold by</b>	<b>Buckman Laboratories, Inc.</b> 1256 North McLean Blvd., Memphis, TN 38108, USA <b>(901) 278-0330 or 1-800-282-5626</b>
<b>EPA Est. No.</b>	<b>1448-TN-1</b>
<b>EPA Reg. No.</b>	<b>1448-372</b>
<b>Product Weight</b>	<b>10.3 lb/gal 1.24 kg/l</b> Net contents are marked on the container.
<b>Last Revision</b> <b>07/21/2020</b>	

## 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-21 C), 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 flakeboard 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.