

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

February 11, 2021

Dennis L. Barbee Associate Director Buckman Laboratories 1256 North McLean Blvd, Memphis TN, 38108

Subject: Notification per PRN 98-10 – Revise Company logo remove HMIS/NPCA ratings, correct typos, add "note to reviewer" language under danger products Product Name: Busan 1350 EPA Registration Number: 1448-408 Application Date: September 10, 2020 Decision Number: 566330

Dear Mr. Barbee:

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.

Page 2 of 2 EPA Reg. No. 1448-408 Decision No. 566330

Sincerely, Zebora Johnson For

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



ACTIVE INGREDIENT(S):

2-(Thiocyanomethylthio)benzothiazole	8.0%
Methylene bis(thiocyanate)	8.0%
OTHER INGREDIENTS:	84.0%
TOTAL	100.00%

KEEP OUT OF REACH OF CHILDREN DANGER PELIGRO

[Note to Reviewer: In accordance with 40 CFR 156.68(d), all first aid statements, prescribed, will appear on the front panel of the product label]

	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 or Clothing	 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 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.
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.
treatment. You	HOT LINE NUMBER ct container or label with you when calling a Poison Control Center or doctor, or going for may also contact CHEMTREC at 1-703-741-5970 for emergency medical treatment
information.	

NOTE TO PHYSICIAN

Probable mucosal damage may contraindicate the use of gastric lavage.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER: Corrosive. Causes irreversible eye damage. Causes skin burns. May be fatal if inhaled. Harmful if swallowed or absorbed through skin. Do not get in eyes, on skin, or on clothing. Do not breathe dust. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

PERSONAL PROTECTION EQUIPMENT: Mixers, loaders, applicators, and other handlers must wear: Coveralls over long-sleeved shirt, long pants, socks, chemical-resistant footwear, and chemical resistant gloves (Barrier laminate, Butyl rubber, Nitrile rubber, Neoprene rubber, Polyvinyl Chloride, or Viton, selection category C). Protective eyewear: goggles or face shield. Respirator with an organic-vapor removing cartridge with a prefilter approved for pesticide (MSHA/NIOSH approval number prefix TC-14C) or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G) or a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any N, R, P, or HE prefilter.

User Safety Requirements: Follow manufacturer's instructions for cleaning/maintaining PPE. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product. Do not reuse them. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

User Safety Recommendation: User should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. If pesticide gets inside clothing, remove clothing immediately, wash thoroughly and put on clean clothing. 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. This product may cause skin sensitization reactions in some people.

ENGINEERING CONTROLS: Handlers participating in hand-dip applications, including introduction of materials to and removal from the dip and handling materials still wet from the dip, must wear chemical-resistant full front aprons with attached full-sleeve gloves.

When handlers use closed systems, the handler PPE requirements may be reduced or modified. Water-soluble packets, when used correctly, qualify as a closed loading system. Handlers handling this product while it is enclosed in intact water-soluble packets may elect to wear reduced PPE of long-sleeved shirt, long pants, shoes, socks, a chemical-resistant apron, and chemical resistant gloves.

IMPORTANT: When reduced PPE is worn because a closed system is being used, handlers must be provided all PPE specified above for "mixers, loaders, applicators, and other handlers" and have such PPE immediately available for use in an emergency, such as a spill or equipment break-down.

ENVIRONMENTAL HAZARDS: This pesticide is toxic to fish, aquatic invertebrates, oysters and shrimp. 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. 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.

Treated lumber must be stored under cover, indoors, or at least 100 feet from any pond, lake, stream, wetland, or river to prevent possible runoff of the product into the waterway. Treated lumber stored within 100 feet of a pond, lake, stream, or river must be either covered with plastic or surrounded by a berm to prevent surface water runoff into the nearby waterway. If a berm or curb is used around the site, it should consist of impermeable material (clay, asphalt, concrete) and be of sufficient height to prevent runoff during heavy rainfall events.

NOTIFICATION

1448-408

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:

02/11/2021

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Busan 1350 is packaged in water soluble bags for the purpose of providing application convenience and increased safety to the end user. These bags are further packaged in water resistant enclosures that are designed to protect the water soluble bags and keep them dry. Careful handling of the product should maintain product integrity and will reduce likelihood of exposure. Application dosages are recommended to take advantage of available package sizes thus allowing use of the total contents of each bag. The bags should be placed in the system in an area of good flow to ensure adequate dispersion.

NEVER OPEN INDIVIDUAL BAGS. INDIVIDUAL BAGS SHOULD ALWAYS BE STORED IN THEIR ORIGINAL CONTAINER WHEN NOT IN USE.

HIDES AND SKINS: Please see the product data bulletin entitled, "BUSAN 1350 Product/Use Information Sheet-Hides and Skins"

LEATHER: Please see the product data bulletin entitled, "BUSAN 1350 Product/Use Information Sheet-Leather Applications"

AUTOMATED SYSTEMS: Please see the product data bulletin entitled, "BUSAN 1350 Product/Use Information Sheet - Automated Cooling Water Systems."

COOLING WATER: Please see the product data bulletin entitled, "BUSAN 1350 Product/Use Information Sheet - Cooling Water Systems".

PETROLEUM SECONDARY RECOVERY: Please see the product data bulletin entitled, "BUSAN 1350 Product/Use Information Sheet - Petroleum Secondary Recovery."

DRILLING, FRACTURING AND REWORK FLUIDS: Please see the product data bulletin entitled, "BUSAN 1350 Product/Use Information Sheet - Drilling, Fracturing, and Rework Fluids."

SAPSTAIN AND MOLD CONTROL: Please see the product data bulletin entitled, "BUSAN 1350 Product/Use Information Sheet - for Sapstain and Mold Control."



ACTIVE INGREDIENT(S):	
2-(Thiocyanomethylthio)benzothiazole	8.0%
Methylene bis(thiocyanate)	8.0%
OTHER INGREDIENTS:	84.0%

Please refer to the product label for precautionary statements regarding use and handling of this product.

BUSAN 1350 is packaged in water soluble bags for the purpose of providing application convenience and increased safety to the end user. Careful handling of the product should maintain product integrity and will reduce likelihood of exposure.

NEVER OPEN INDIVIDUAL BAGS, INDIVIDUAL BAGS SHOULD ALWAYS BE STORED IN THEIR ORIGINAL CONTAINER.

LEATHER (4 ounce bags): BUSAN 1350 is used to prevent bacterial decomposition of hides and skins during the soaking process. BUSAN 1350 should be used at a level of 4 to 8 4-oz bags per 1000 lbs of green or brine fleshed hides or skins. BUSAN 1350 is used to prevent mold growth on chrome or vegetable-tanned hides or skins during tanning or post tanning operations prior to finishing. BUSAN 1350 is used at treatment rates of 2 to 12 4-oz bags per 1000 lbs of white weight stock. Individual bags of BUSAN 1350 can be added directly to the tanning drum or vessel or dissolved in a chemical mix box during the tanning process.

LEATHER (1 pound bags): Busan 1350 is used to prevent bacterial decomposition of hides and skins during the soaking process. Busan 1350 should be used at a level of 1 to 2 1-lb bag(s) per 1000 lbs of green or brine fleshed hides or skins. Busan 1350 is used to prevent mold growth on chrome or vegetable tanned hides and skins during tanning or post tanning operations prior to finishing. Busan 1350 is used at treatment rates of 1 to 3 1-lb bag(s) per 1000 lbs of white weight stock. Individual bags of Busan 1350 can be added directly to the tanning drum or vessel or dissolved in a chemical mix box during the tanning process.

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BUSAN 1350 Product/Use Information Sheet AUTOMATED COOLING WATER SYSTEMS

ACTIVE INGREDIENT(S):2-(Thiocyanomethylthio)benzothiazole8.0%Methylene bis(thiocyanate)8.0%OTHER INGREDIENTS:84.0%

Please refer to the product label for precautionary statements regarding use and handling of this product.

BUSAN 1350 is packaged in water soluble bags which are enclosed in containers to be used in automated feed equipment for the purpose of providing application convenience and increased safety to the end user. Careful handling of the product should maintain product integrity and will reduce likelihood of exposure.

NEVER OPEN INDIVIDUAL BAGS. INDIVIDUAL BAGS SHOULD ALWAYS BE STORED IN THEIR ORIGINAL CONTAINER.

AUTOMATED COOLING WATER SYSTEMS (4 ounce bags): BUSAN 1350 is used to inhibit the growth of microorganisms in automated industrial and commercial recirculating cooling water systems. To apply BUSAN 1350 in the 21st Century Innovations or Solid-Pro, Inc. automated feed and dispensing equipment system, remove one of the dosing-canisters from the box. Remove the canister lid, invert the canister and attach it tightly onto the diluting (mixing) unit of the system. The system should be set up to dispense enough BUSAN 1350 to achieve a residual of 30 to 120 ppm of product per 1,000 gallons of system water every 1 to 5 days. In noticeably fouled systems, dispense enough BUSAN 1350 to achieve a residual of 60 to 240 ppm of product per 500 gallons of system water until control is evident. For best results the system should be cleaned prior to treatment

AUTOMATED COOLING WATER SYSTEMS (1 pound bags): BUSAN 1350 is used to inhibit the growth of microorganisms in automated feed industrial and commercial recirculating cooling water systems. To apply BUSAN 1350 in the 21st Century Innovations, Jaytech, or Solid-Pro, Inc. automated feed and dispensing equipment system remove one of the dosing-canisters from the box. Remove the canister lid, invert the canister and attach it tightly onto the diluting (mixing) unit of the system. The system should be set up to dispense enough BUSAN 1350 to achieve a residual of 30 to 120 ppm of product per 4,000 gallons of system water every 1 to 5 days. In noticeably fouled systems, dispense enough BUSAN 1350 to achieve a residual of 60 to 240 ppm of product per 2000 gallons of system water until control is evident. For best results the system should be cleaned prior to treatment

Buckman

BUSAN 1350 Product/Use Information Sheet

HIDES AND SKINS

ACTIVE INGREDIENT(S):2-(Thiocyanomethylthio)benzothiazole8.0%Methylene bis(thiocyanate)8.0%OTHER INGREDIENTS:84.0%

Please refer to the product label for precautionary statements regarding use and handling of this product.

BUSAN 1350 is packaged in water soluble bags for the purpose of providing application convenience and increased safety to the end user. Careful handling of the product should maintain product integrity and will reduce likelihood of exposure.

NEVER OPEN INDIVIDUAL BAGS, INDIVIDUAL BAGS SHOULD ALWAYS BE STORED IN THEIR ORIGINAL CONTAINER.

HIDES AND SKINS (1 pound bags): Busan 1350 is used to prevent bacterial decomposition of brine cured hides and skins. Busan 1350 should be used at a level of 1.0 to 3.0 1-lb bag(s) per 1000 lbs of green fleshed hides or skins. The packets of Busan 1350 should be added prior to or immediately after the hides to the raceway. To assure adequate mixing, the bags should be individually introduced to the input side of the raceway paddle.

HIDES AND SKINS (4 ounce bags): BUSAN 1350 is used to prevent bacterial decomposition of brinecured hides and skins. BUSAN 1350 should be used at a level of 2 to 10 4-oz bag(s) of BUSAN 1350 per 1000 lbs of green fleshed hides or skins. The packets of BUSAN 1350 should be added prior to or immediately after the hides to the raceway. To assure adequate mixing, the bags should be individually introduced to the input side of the raceway paddle.



ACTIVE INGREDIENT(S):

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Methylene bis(thiocyanate)	8.0%
OTHER INGREDIENTS:	84.0%

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BUSAN 1350 is packaged in water soluble bags which are enclosed in containers to be used in automated feed equipment for the purpose of providing application convenience and increased safety to the end user. Careful handling of the product should maintain product integrity and will reduce likelihood of exposure.

NEVER OPEN INDIVIDUAL BAGS. INDIVIDUAL BAGS SHOULD ALWAYS BE STORED IN THEIR ORIGINAL CONTAINER.

COOLING WATER SYSTEMS (1 pound bags): Busan 1350 is used to inhibit the growth of microorganisms in cooling water systems. In noticeably fouled systems, Busan 1350 should be added daily at a rate of **1 to 4 1-lb bag(s) of Busan 1350 per 2000 to 4000 gallons of system water** until control is evident. Subsequent additions of **1 to 2 1-lb bag(s) Busan 1350 per 2000 to 4000 gallons** of system water to maintain control. The frequency of treatment depends on the severity of the microbiological problem. For best results the system should be cleaned prior to treatment.

COOLING WATER SYSTEMS (4 ounce bags): Busan 1350 is used to inhibit the growth of microorganisms in cooling water systems. In noticeably fouled systems, Busan 1350 should be added daily at a rate of **1 to 4 4-oz bag(s) of Busan 1350 per 500 to 1000 gallons of system water** until control is evident. Subsequent additions of **1 to 2 4-oz bag(s) Busan 1350 per 500 to 1000 gallons** of system water to maintain control. The frequency of treatment depends on the severity of the microbiological problem. *For best results the system should be cleaned prior to treatment.*

Buckman

BUSAN 1350 Product/Use Information Sheet PETROLEUM SECONDARY RECOVERY

ACTIVE INGREDIENT(S):2-(Thiocyanomethylthio)benzothiazole8.0%Methylene bis(thiocyanate)8.0%OTHER INGREDIENTS:84.0%

Please refer to the product label for precautionary statements regarding use and handling of this product.

BUSAN 1350 is packaged in water-soluble bags for the purpose of providing application convenience and increased safety to the end user. These bags are further packaged in water-resistant enclosures that are designed to protect the water-soluble bags and keep them dry. Careful handling of the product should maintain product integrity and will reduce likelihood of exposure. Application dosages are recommended to take advantage of available package sizes thus allowing use of the total contents of each bag. The bags should be placed in the system in an area of good flow to ensure adequate dispersion.

NEVER OPEN INDIVIDUAL BAGS, INDIVIDUAL BAGS SHOULD ALWAYS BE STORED IN THEIR ORIGINAL CONTAINER WHEN NOT IN USE.

PETROLEUM SECONDARY RECOVERY (1 pound bags): Busan 1350 is used to control sulfate reducing bacteria, slime forming bacteria and fungi in oilfield water, polymer, or micellar floods, water disposal systems, and other oilfield water systems at dosage rates of **1 to 4 1-lb bag(s) of Busan 1350 per 4000 gallons of water** treated. Bags should be placed at a point in the system that will allow rapid diffusion of the biocide to the problem area(s). Intermittent of Slug Method: When system is noticeably fouled, or to maintain control, add **1 to 4 1-lb bag(s) of Busan 1350 per 1000 gallons of water 1 to 4 times per week**, or as needed to maintain control.

PETROLEUM SECONDARY RECOVERY: (4 ounce bags) Busan 1350 is used to control sulfate reducing bacteria, slime forming bacteria and fungi in oil field water, polymer, or micellar floods, water disposal systems, and other oil field water systems at dosage rates of **1 to 4 4 oz bag(s) of Busan 1350 per 1000 gal of water** treated. Bags should be placed at a point in the system that will allow rapid diffusion of the biocide to the problem area(s). Intermittent of Slug Method: When system is noticeably fouled, or to maintain control, add **1 to 4 4 oz bag(s) of Busan 1350 per 1000 gal of water 1 to 4 times per week**, or as needed to maintain control.

BUSAN 1350 Product/Use Information Sheet DRILLING, FRACTURING, AND REWORK FLUIDS

ACTIVE INGREDIENT(S):	
2-(Thiocyanomethylthio)benzothiazole	8.0%
Methylene bis(thiocyanate)	8.0%
OTHER INGREDIENTS:	84.0%

Please refer to the product label for precautionary statements regarding use and handling of this product.

BUSAN 1350 is packaged in water-soluble bags for the purpose of providing application convenience and increased safety to the end user. These bags are further packaged in water-resistant enclosures that are designed to protect the water-soluble bags and keep them dry. Careful handling of the product should maintain product integrity and will reduce likelihood of exposure. Application dosages are recommended to take advantage of available package sizes thus allowing use of the total contents of each bag. The bags should be placed in the system in an area of good flow to ensure adequate dispersion.

NEVER OPEN INDIVIDUAL BAGS, INDIVIDUAL BAGS SHOULD ALWAYS BE STORED IN THEIR ORIGINAL CONTAINER WHEN NOT IN USE.

DRILLING, FRACTURING, AND REWORK FLUIDS (1 pound bags): To inhibit bacterial and fungal degradation of the fluids or muds used in the drilling, fracturing and rework of oil wells, Busan 1350 is incorporated in the drilling fluid at concentrations of 4 to 24 1-lb bag(s) of Busan 1350 per 1000 gallons of fluid.

DRILLING, FRACTURING, AND REWORK FLUIDS (4 ounce bags): To inhibit bacterial and fungal degradation of the fluids or muds used in the drilling, fracturing and rework of oil wells, Busan 1350 is incorporated in the drilling fluid at concentrations of 16 to 96 4-oz bag(s) of Busan 1350 per 1000 gallons of fluid.



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SAPSTAIN AND MOLD CONTROL (1 pound bags): Busan 1350 is used to control sapstain and mold on freshly cut hardwood and softwood lumber, logs, poles, posts and timbers. It is applied by dipping or spraying the wood until complete surface wetting is accomplished. **Use 6 to 24 1-lb(s) bags of Busan 1350 per 100 gallons of water** and agitate vigorously until Busan 1350 is thoroughly dispersed. Rates to be used will vary according to temperature, humidity, wood moisture, storage conditions, etc. Under conditions suitable for aggressive mold growth, the high rate mentioned above should be used. Treatment should be made as quickly as possible after lumber is cut and always within 24 hours after cutting.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Containers should be kept closed when not in use. Store this product in a cool dry area away from sunlight and heat to avoid deterioration. If contents are spilled or the container is damaged and bags ruptured, collect spilled material and dispose of in accordance with local, state, and Federal pesticide disposal regulations.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these waste 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 HANDLING:

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

Solid residue removal statement for containers with capacity of 50 lbs. or less.

Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. 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.

Solid residue removal statement for containers with capacity of greater than 50 lbs.

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 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. Turn the container over onto its other 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.

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 pouches of Water Soluble Packets (WSP)

Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available or dispose of the empty outer foil pouch in the trash as long as water soluble packet is unbroken.

Sold By:

Buckman Laboratories, Inc.

1256 N. McLean Blvd., Memphis, Tennessee 38108, U.S.A. (901) 278-0330 or 1-800-282-5626

EPA Reg. No. 1448-408 EPA Est. No. 1448-TN-1 Product Weight: 64.3 lbs/ft³ 1.03 g/cm³ NET CONTENTS MARKED ON CONTAINER