



U.S. ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs  
Antimicrobials Division (7510P)  
1200 Pennsylvania Ave., N.W.  
Washington, D.C. 20460

EPA Reg. Number:

1448-443

Date of Issuance:

3/9/18

NOTICE OF PESTICIDE:

Registration  
 Reregistration  
(under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product:

BUSAN 1576

Name and Address of Registrant (include ZIP Code):

Buckman Laboratories, Inc.  
1256 N. McLean Blvd  
Memphis, TN 33108

**Note:** Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Antimicrobials Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA section 3(c)(7)(A). You must comply with the following conditions:

1. Submit and/or cite all data required for registration/reregistration/registration review of your product under FIFRA when the Agency requires all registrants of similar products to submit such data.

Signature of Approving Official:

Zeno Bain, Acting Product Manager 33  
Regulatory Management Branch I  
Antimicrobials Division (7510P)  
Office of Pesticide Programs

Date:

3/9/18

2. You are required to comply with the data requirements described in the DCI Order identified below:
  - a. GDCI-035603-1485

You must comply with all of the data requirements within the established deadlines. If you have questions about the Generic DCI listed above, you may contact the Reevaluation Team Leader (Team 36): <http://www2.epa.gov/pesticide-contacts/contacts-office-pesticide-programs-antimicrobial-division>

3. Make the following label changes before you release the product for shipment:
  - Revise the EPA Registration Number to read, “EPA Reg. No. 1448-443.”
4. Submit one copy of the final printed label for the record before you release the product for shipment.

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 fail to satisfy these data requirements, EPA will consider appropriate regulatory action including, among other things, cancellation under FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records. Please also note that the record for this product currently contains the following CSFs:

- Basic CSF dated October 25, 2017

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

Enclosure: Accepted Label

# Buckman

## BUSAN<sup>®</sup> 1576

### ACTIVE INGREDIENT(S)

2-(Thiocyanomethylthio)benzothiazole ..... 10.0%  
Methylene bis(thiocyanate) ..... 10.0%

**OTHER INGREDIENTS** ..... 80.0%

**TOTAL** ..... 100.0%

This product contains 0.84 lbs. of each active ingredient per gallon.

**ACCEPTED**

Mar 09, 2018

Under the Federal Insecticide, Fungicide  
and Rodenticide Act as amended, for the  
pesticide registered under  
EPA Reg. No. 1448-443

**DANGER**  
**KEEP OUT OF REACH OF CHILDREN**

FIRST AID	
If Inhaled	<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>
If in Eyes	<ul style="list-style-type: none"><li>- Hold eye open and rinse slowly and gently with water for 15–20 minutes.</li><li>- Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li><li>- Call a poison control center or doctor for further treatment advice.</li></ul>
If on Skin, Clothes	<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>
If Swallowed	<ul style="list-style-type: none"><li>- Immediately call a poison control center or doctor.</li><li>- Do not induce vomiting unless told to do so by the poison control center or doctor.</li><li>- Do not give any liquid to the person.</li><li>- Do not give anything by mouth to an unconscious person.</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 contact CHEMTREC at 1-703-741-5970 for <b>emergency</b> medical treatment information.	
NOTE TO PHYSICIAN	
Contains petroleum distillate. Vomiting may cause aspiration pneumonia. Probable mucosal damage may contraindicate the use of gastric lavage.	

# Precautionary Statements

## HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**Corrosive.** Causes irreversible eye damage and skin burns. May be fatal if inhaled. May be fatal if swallowed or absorbed through skin. Do not breathe vapor or spray mist. Do not get in eyes, on skin, or on clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wear goggles or face shield. Wear coveralls over long-sleeved shirt and long pants; socks and chemical resistant footwear; chemical-resistant gloves such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, polyvinyl chloride or viton; and respirator with an organic vapor removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C); 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 an R, P, or HE prefilter. In addition to the PPE listed above, mixers, loaders, and cleaners of equipment must also wear chemical-resistant apron. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse.

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

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.

**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. 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.

## Storage and Disposal

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

**STORAGE:** Do not expose to extreme temperatures. Do not stack more than five drums high. Drums should be opened in well-ventilated areas. 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:** Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. Pesticide wastes are acutely hazardous. Wastes resulting from the use of the product, excess pesticide, spray mixture, or rinsate must be collected and disposed of at an approved disposal facility. 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 HANDLING:

#### {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 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.

#### {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 >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.

### Buckman Laboratories, Inc.

Manufactured by:

1256 North McLean Blvd., Memphis, TN 38108, USA  
(901) 278-0330 or 1-800-282-5626

EPA Est. No. 1448-TN-1

EPA Reg. No. 1448-\_\_\_\_\_

Product Weight 9 lbs/gal 1.08 kg/L

Net contents marked on container

#### HMIS/NPCA Ratings

Health 3 Flammability 2 Reactivity 1

#### Last Revision

02/27/2018

## Directions for Use

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

**NOTE TO USER:** Do not apply this product in a way that will contact workers or other persons.

**SAPSTAIN AND MOLD CONTROL:** This product is used to control sapstain and mold on freshly cut hardwood and softwood lumber, logs, poles, posts and timbers. It is applied by dipping the wood until complete surface wetting is accomplished. Use 0.5 to 2.0 gallons of this product/100 gallons water (5 to 18 lbs of this product/100 gallons water) and agitate vigorously until this product 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.

**PAPER MILLS:** To control bacterial and fungal growth on paper and paperboard machines, this product is added to the white water or stock at 0.1 to 0.5 lb./ton of dry paper or paperboard produced. To inhibit the growth of bacteria and fungi in papermaking additives (including alum solutions, animal glue solutions, pigment slurries, coating formulations, and starch slurries and solutions) this product is added to these materials in concentrations of 50-400 ppm (weight/weight). Pulp that may be held in storage for 8 hours to 1 week should be treated with 0.25 to 0.75 kg of this product per tonne (0.5 to 1.5 lbs per ton) of moisture-free pulp. This product may be added to contaminated fresh water at the rate of 0.25-1 ppm for treatment periods of 6-12 hours out of each 24 hours.

**PULP MILLS:** To protect wood chips from fungal degradation during storage, this product is used at 0.5 to 2 lbs/ton of oven-dry wood. It can be applied through a water shower located in the pneumatic conveyor carrying chips from the chipper to the storage pile. All persons not directly participating in such spray applications in enclosed or indoor areas must be excluded from the treatment site and from an area extending at least 25 feet from the perimeter of the treatment site until application is complete and sprays have settled out of the air. For preservation of wet lap or sheet pulp, this product is used at 0.5 to 4 lbs/ton of oven-dry fiber. It is applied to the surface of dewatered pulp by means of applicator rolls. Pulp that may be held in storage for 8 hours to 1 week should be treated with 0.25 to 0.75 kg of this product per tonne (0.5 to 1.5 lbs per ton) of moisture-free pulp.

**Not registered for this use in California.**

**PARTICLE BOARD:** This product is employed as a preservative against mold and fungi for particle board, insulation board, and other wood-base fiber and particle panel materials. In this use, this product is mixed with the furnish, resin, or binding agent at 0.1 to 0.3% based on the dry weight of the wood. **Not registered for this use in California.**

**BACTERIOSTATIC PAPER:** This product may be used in the production of bacteriostatic paper and paperboard when included in the coating formulation at a dosage of 0.5-9.0% weight/weight of product and added at the size press or similar application. The bacteriostatic paper and paperboard applications are not to be used in the manufacture of food contact paper, paper coatings, or paperboard. **Not registered for this use in California.**

**COOLING TOWERS:** This product is used to protect cooling tower wood against soft or surface rot and internal or dry rot. It is applied by painting a dispersion containing 0.5 to 0.7% this product in water onto the clean wood surfaces. The amount applied should provide 0.6 to 0.8 lb. this product per 1000 sq. ft of wood surface. Soft or surface rot can also be inhibited by periodic shock doses of this product to the recirculating cooling water at the tower basin or cold well. The dosage should provide 1.25 lb. of this product per 1000 gal of water and the bleedoff should be stopped for 4 to 6 hr after treatment. The shock treatment should be repeated every four months. In systems greater than or equal to 4000 gallons, do not apply this product by open pouring of liquid to cooling water systems; a metering pump delivery system is required for this use and application method. **Not registered for this use in California.**

**COOLING WATER:** This product is used to control algae, bacteria and fungi in industrial recirculating cooling water systems. Before treatment is begun, the system should be cleaned thoroughly to remove old algal growth, microbiological slime, and other deposits. The system should then be drained, flushed, refilled with water, and treated with an initial dose of 0.6 to 3.7 fl oz this product per 1000 gal water in the system. Subsequent additions of 0.2 to 1.2 fl oz per 1000 gal should be made every 1 to 5 days, depending on amount of bleedoff and severity of microbiological fouling. In systems greater than or equal to 4000 gallons, do not apply this product by open pouring of liquid to cooling water systems; a metering pump delivery system is required for this use and application method.

**DRILLING FLUIDS:** To inhibit bacterial and fungal degradation of the fluids or muds used in the drilling of wells, this product is incorporated in the drilling fluid at concentrations of 0.05 to 0.25% based on the total wet weight of the fluid.

**PETROLEUM SECONDARY RECOVERY:** This product 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 3.9 to 13.0 fl oz of this product per 1000 gal of water treated. Additions should be made continuously or intermittently by means of a metering pump at the free water knockouts, before or after injection pumps and injection well headers. Continuous Feed Method: When system is noticeably fouled, add 3.9 to 13.0 fl oz this product per 1000 gal of water continuously until desired degree of control is achieved. Then treat with 3.9 to 13.0 fl oz this product per 1000 gal of water continuously, or as needed to maintain control. Intermittent or Slug Method: When system is noticeably fouled, or to maintain control, add 3.9 to 13.0 fl oz this product per 1000 gal of water for 4 to 8 hr per day and 1 to 4 times per week, or as needed to maintain control.



**CRUDE AND REFINED OILS:** This product is an oil-soluble preservative for the control of bacteria and fungi that cause the degradation of crude oil and refined fuel oils during storage. Crude and refined oils include, but are not limited to, olefinic, aromatic, paraffinic, and naphthenic oils. It should be added to the oil as it is being transferred from the shipping container to the storage tank at the rate of 0.6 to 6.0 fl. oz. per 1000 gal of oil. Addition should be made batchwise where mixing occurs or continuously to the suction side of the transfer pump.

**HIDES AND SKINS:** This product is used to prevent bacterial decomposition of brine cured hides and skins. This product should be used at a level of 0.003-0.02% (30-200 ppm) based upon the weight of green fleshed hides or skins and saturated brine solution. In raceway operations, this product can be added directly to the raceway during the addition of hides and operation of paddles. In processor/mixer applications, this product should be added as dispersion in water. A satisfactory dispersion of 1 part this product plus 4 parts water can be prepared by adding this product to the water (as opposed to adding water to this product) with agitation. **Not registered for this use in California.**

**LEATHER:** This product can be used to prevent bacterial decomposition of brine cured, wet salted, air-dried or green fleshed hides/skins in the soaking process. For this purpose, treatment levels of 0.02-0.05% (200-500 ppm) based on the total weight of hides/skins and process water (float). This product is recommended for the prevention of mold in the storage, transport and processing of wet leather stock such as pickled, vegetable-, chrome-, alternative metal or metal free tanned hides/skins. For this purpose, this product is used at treatment rates of 0.05-0.25% (500-2500 ppm) of white lime stock weight. A dispersion as described above should be prepared and added to the pickling solution or tanning liquor or during the tanning operation or to the rinse water in a post tanning refloat. The product can also be applied during the fatliquoring process to prevent fungal growth at 0.025-0.075% (250-750 ppm) based on the split and shaved weight of leather being processed. **Not registered for this use in California.**

**PIGMENT SLURRIES (non-paint), COATINGS (non-paint), NON-FOOD ADHESIVES, CAULKS AND SEALANTS:** For the preservation of pigment slurries, coatings, non-food adhesives, caulks and sealants, this product should be added at a point in the processing system where there is sufficient time and agitation for good mixing and dispersion. The actual amount of material to be added for the preservation of any given formulation will depend on the components and storage time and conditions. Dosage rates should be determined by actual testing. For pigment slurries, coatings, non-food adhesives, caulks and sealants which are subject to bacterial and fungal attack in their containers, this product should be added at use levels of 0.5 to 0.75% by weight to inhibit this attack. To inhibit fungal growth on the dried coating, non-food adhesive, caulk, or sealant, this product should be incorporated at a use level of 0.75 to 2.5% by weight. To formulate coatings that are mold resistant and that prevent sapstain and decay by fungi, this product should be added at use levels of 0.5 to 9.0% based on the total weight of the formulation. The exact level to use will depend on the severity of the contamination as well as the nature and amounts of other components of the formulation.