

1448-102

03/02/2010

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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

MAR 02 2010

Attention: Carl F. Watson, Ph.D.

**Subject: BUSAN 1071**  
EPA Registration No. 1448-102  
Amendment Dated January 19, 2010

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

**Proposed Amendment**

- 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 1071

BUSAN is a registered trademark.

ACTIVE INGREDIENT(S)  
 2-(Thiocyanomethylthio)benzothiazole.....  
 Methylene bis(thiocyanate).....  
 INERT INGREDIENTS.....  
 (Contains Petroleum Distillates)  
 TOTAL.....

One gallon of product contains 0.215 lbs of each active ingredient.

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ACCEPTED  
with COMMENTS  
EPA Letter Dated:  
MAR 2 2010

2.5%  
2.5%  
95.0%

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act as  
amended, for the pesticide  
registered under EPA Reg. No. 1448-10 2

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

FIRST AID	
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>- Call poison control center or doctor immediately for treatment advice.</li> <li>- Have person sip a glass of water, if able to swallow.</li> <li>- Do not induce vomiting unless told to do so by the poison control center or doctor.</li> <li>- Do not give anything by mouth to an unconscious person.</li> </ul>
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>
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 901-278-0330 or 1-800-BUCKMAN 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 or skin burns. May be fatal if swallowed or absorbed through skin or inhaled. Do not get in eyes, on skin, or on clothing. Do not breathe spray mist. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals.

**Personal Protective Equipment (PPE)**

Applicators and all other handlers must wear: Coveralls over long-sleeved shirt and long pants; socks and chemical resistant footwear; goggles or face shield; 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 any R, P, or HE prefilter. In addition to the PPE listed above, mixers, loaders, and cleaners of equipment must also wear chemical-resistant apron.

**ENVIRONMENTAL HAZARDS:** This pesticide is toxic to fish. For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. 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.

**PHYSICAL AND CHEMICAL HAZARDS:** Do not expose to extreme temperatures.



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ACCEPTED  
with COMMENTS  
EPA Letter Dated:

MAR - 2 2008

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act as  
amended, for the pesticide  
registered under EPA Reg. No. 1448-102

## Storage and Disposal

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

**PESTICIDE 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:** Pesticide wastes are acutely hazardous. Wastes resulting from the use of the product, excess pesticide, spray mixture, or rinsate must be collected and disposed 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 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 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 >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-BUCKMAN

EPA Est. No. 1448-TN-1

EPA Reg. No. 1448-102

Product Weight 8.6 lbs./gal. 1.03 kg.L

Net contents are marked on the container.

### HMIS / NPCA Ratings

Health 3 Flammability 2 Reactivity 1

Last Revision

11/18/2009



# BUSAN 1071

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ACCEPTED with COMMENTS  
EPA Letter Dated:

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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.

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide, registered under EPA Reg. No. 14481

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

**SAPSTAIN AND MOLD CONTROL:** Busan 1071 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 5.6 to 44.0 kg of Busan 1071/100 L water (12 to 96 lbs of Busan 1071/100 gal water) and agitate vigorously until Busan 1071 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, Busan 1071 is added to the white water or stock at 0.4 to 2.0 lb/ton of dry paper or paperboard produced.

**COOLING TOWERS:** Busan 1071 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 2.0 to 2.8% Busan 1071 in water onto the clean wood surfaces. The amount applied should provide 2.4 to 3.2 lb Busan 1071 per 1000 sq ft of wood surface. Soft or surface rot can also be inhibited by periodic shock doses of Busan 1071 to the recirculating cooling water at the tower basin or cold well. The dosage should provide 5.0 lb of Busan 1071 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.

**COOLING WATER:** Busan 1071 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 2.4 to 14.8 fl oz Busan 1071 per 1000 gal water in the system. Subsequent additions of 0.8 to 4.8 fl oz per 1000 gal should be made every 1 to 5 days, depending on amount of bleedoff and severity of microbiological fouling.

**DRILLING FLUIDS:** To inhibit bacterial and fungal degradation of the fluids or muds used in the drilling of wells, Busan 1071 is incorporated in the drilling fluid at concentrations of 0.2 to 1.0% based on the total wet weight of the fluid.

**PETROLEUM SECONDARY RECOVERY:** Busan 1071 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 15.6 to 52.0 fl oz of Busan 1071 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 15.6 to 52.0 fl oz Busan 1071 per 1000 gal of water continuously until desired degree of control is achieved. Then treat with 15.6 to 52.0 fl oz Busan 1071 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 15.6 to 52.0 fl oz Busan 1071 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:** Busan 1071 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 2.4 to 24.0 fl oz Busan 1071 per 1000 gal of oil. Addition should be made batchwise where mixing occurs or continuously to the suction side of the transfer pump.

**FUEL:** To eliminate and/or prevent the growth of fungi and bacteria in stored fuel (e.g. gasoline, biofuel, diesel #1, diesel #2, biodiesel, and bunker C), Busan 1071 should be added to fuel at a rate of 1.25 to 2.5 fluid ounces per 100 gallons of fuel. Addition should be made during fuel transfer to ensure adequate mixing. For contaminated storage systems, Busan 1071 should be added at shock treatment levels (see table below). For clean fuel storage systems, Busan 1071 should be added at maintenance treatment levels (see table below).

Gallons of fuel	Shock treatment	Maintenance treatment
20	0.5 fluid ounces	0.25 fluid ounces
40	1.0 fluid ounces	0.5 fluid ounces
60	1.5 fluid ounces	0.75 fluid ounces
100	2.5 fluid ounces	1.25 fluid ounces

Busan 1071 is NOT for use in Aviation Fuels.

**HIDES AND SKINS:** Busan 1071 is used to prevent bacterial decomposition of brine-cured hides and skins. Busan 1071 should be used at a level of 1.2 to 8.0 lb/1000 lb of green fleshed hides or skins. In raceway operations Busan 1071 can be added directly to the raceway during addition of hides and operation of paddles. In processor operations Busan 1071 should be added as a dispersion in water. A satisfactory dispersion of one part Busan 1071 plus four parts water can be prepared by adding the Busan 1071 to the water (as opposed to adding water to Busan 1071) with agitation.

**LEATHER:** To prevent mold growth on chrome- or vegetable-tanned hides and skins during tanning or post-tanning operations prior to finishing, Busan 1071 is used at treatment rates of 2.0 to 10.0 lb/1000 lb of white weight stock. A dispersion as described above should be prepared and added to the pickling solution or the tanning liquor during the tanning operation or to the rinse water in a post-tanning refloat.

**COATINGS :** Busan 1071 is used to control fungal growth on coatings. Use levels will vary from 2.0 to 36.0% based on the total weight of the formulation. The exact level will depend on the severity of contamination as well as the nature and amounts of other components of the formulation.