



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

EPA Reg. Number:
1448-102

Date of Issuance:

NOTICE OF PESTICIDE:
Registration
 Re-registration

Term of Issuance:
CONDITIONAL

Name of Pesticide Product:
Busan 1071

Name and Address of Registrant (include ZIP code):
Buckman Laboratories, Inc.
1256 North McLean Blvd.
Memphis, TN 38108

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/reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended.

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.

Based on your response to the Methylene bis(thiocyanate) and 2-(Thiocyanomethylthio)benzothiazole Reregistration Eligibility Documents, EPA has reregistered the product listed below. This action is taken under the authority of section 4(g)(2)(C) of the Federal Insecticide, Fungicide, and Rodenticide Act(FIFRA),as amended. Reregistration under this section does eliminate the need for continuous reassessment of pesticides. EPA may require submission of data at any time to maintain the registration of your product.

Make the following labeling changes before you release the product for shipment:

- a. Revise the EPA Registration Number to read, "EPA Reg. No.1448-102."
- b. Place the appropriate EPA Establishment No. on the product labeling.

Signature of Approving Official:

Marshall Swindell, Product Manager, Team 33,
Regulatory Management Branch I, Antimicrobials Division

Date:

NOV 24 2004

- c. As per our letter of January 25th, 2002, in item B, add the spanish word "PELIGRO" to the product labeling.
- d. As per our letter of January 25th, 2002, in item C, modify the PPE section to include the following statement:

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

- e. As per our letter of January 25th, 2002, in item H, replace the statement, "Do not expose to extreme temperatures" with "Combustible." "Do not use or store near heat or open flames."
- f. As per our letter of January 25th, 2002, in item I, revise the "Pesticide Disposal" statements to read as follows:

"Pesticide Disposal: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, 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 the nearest EPA Regional Office for guidance."

- g. As per our letter of January 25th, 2002, in item J, add the text below to the label because it appears that the directions for use under Pulp Mills to read as follows:

"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."

3. Submit two copies of the revised final printed labeling for the record.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

Marshall Swindell
PM 33, RMBI/AD



ACTIVE INGREDIENT(S)	
2-(Thiocyanomethylthio)benzothiazole.....	2.5%
Methylene bis(thiocyanate).....	2.5%
INERT INGREDIENTS	95.0%
<i>(Contains Petroleum Distillates)</i>	
TOTAL	100.0%

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

KEEP OUT OF REACH OF CHILDREN DANGER

FIRST AID	
If in Eyes	- Hold eyes 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 for treatment advice.
If Ingested	- 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 901-278-0330 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 and causes skin burns. May be fatal if swallowed or absorbed through skin. Do not get in eyes on skin or on clothing. Do not breathe vapor or spray mist. Wear goggles or face shield, protective clothing and rubber gloves while using this product or carrying treated wet unfinished goods. Wash thoroughly with soap and water after handling and before eating drinking or using tobacco. Remove and wash contaminated clothing before reuse. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

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.

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:** 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 fuel (e.g. gasoline, diesel #1, diesel #2 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 fueling in order to ensure adequate mixing. For contaminated 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
50	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 racaway operations Busan 1071 can be added directly to the racaway 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 lanning or post-lanning 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 refoat.

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.

BUSAN

BUSAN is a registered trademark of Buckman Laboratories International, Inc.

Storage

Do not contaminate water, food, or feed. **PESTICIDE STORAGE:** Do not expose to more than five drums high. Drums should be stored on a pallet. Damaged drums should be placed in a container and disposed of in accordance with local, state, and federal regulations. Do not use.

PESTICIDE DISPOSAL: Pesticide should be disposed of in accordance with local, state, and federal regulations. Do not use. **CONTAINER DISPOSAL:** Triple rinse, if necessary, before recycling, or puncture and dispose in accordance with local, state, and federal regulations.

AC
with C
in EPA
NOV

Under the Federal
Fungicide, and
amended, for
registered use

1448-I

Manufactured by

Buckman

1256 North McLean Blvd., Memphis, TN 38117
(901) 278-0330

EPA Est. No. 1448-TN-1

EPA Reg. No. 1448-102

Product Weight 8.6 lbs./gal.

HMS / NPCA Rating