

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

FEB 20 1990

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Braun L. Helmhout  
 Tuckman Labs, Inc.  
 1256 North McLean Boulevard  
 P.O. Box #305  
 Memphis, TN 38108

Dear Ms. Helmhout

Subject: Label Revision  
 BUSAN 1071  
 EPA Registration No. 1448-102  
 Your Submission Dated April 5, 1989

The amendment referred to above, submitted in connection with registration under FIFRA is acceptable, provided that you:

1. Make the labeling changes listed below before you release the product for shipment bearing the amended labeling.
  - a. Revise the Statement of Practical Treatment for oral exposure as follows: "IF SWALLOWED: Drink promptly a large quantity of milk, egg whites, gelatin solution, or if these are not available, drink large quantities of water. Avoid alcohol. Do not give anything by mouth to an unconscious person. Get medical attention."
  - b. Add the following sentences to the precautionary statements: "Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse."
  - c. The following sentence should appear in close proximity to the ingredient statement: "Contains petroleum distillates."

55169:I:Stone:R-1:KENCO:2/13/90:3/16/90:dg:vo:sw:jh:dg

CONCURRENCES							
SYMBOL							
SURNAME							
DATE							

2. Submit one (1) copy of your final printed labeling before you release the product for shipment.

A stamped copy of the labeling is enclosed for your records.

Sincerely yours,

Susan Lewis  
Product Manager (21)  
Fungicide-Herbicide Branch  
Registration Division (H7505C)

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INDUSTRIAL MICROBICIDE



# BUSAN® 1071

### ACTIVE INGREDIENTS:

Methylene bis(thiocyanate) .....	2.5%
Methylenedithiocyanomethylthio)benzothiazole .....	2.5%
INERT INGREDIENTS .....	95.0%

EPA REG. NO. 1448-102

This product weighs 7.99 pounds per gallon.

Under the Federal Insecticide, Fungicide, and Rodenticide Act, this product is registered under the name BUSAN 1071.

1448-102

## KEEP OUT OF REACH OF CHILDREN DANGER

### PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**DANGER:** Corrosive, causes irreversible eye damage and causes skin damage. Harmful or fatal if swallowed or absorbed through the skin. This product is a potential skin sensitizer. Workmen handling this product or treated material should wear impervious gloves, goggles or face shield, and protective clothing. All protective clothing, work shoes or boots, and equipment must be left at the work site at the end of the day. Eating, drinking, or smoking during use of this product is prohibited.

**FIRST AID:** In case of skin contact, wash promptly and thoroughly with soap and water and finally with glycerin. If product gets in the eyes, flush immediately with copious amounts of clean, cool water for 15 to 30 minutes. Get medical attention immediately. If product is swallowed, call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.

**ENVIRONMENTAL HAZARDS:** This pesticide is toxic to fish. Do not apply directly to water or wetlands. Permits may be required for discharges containing this pesticide into lakes, streams, ponds, or public water. For guidance, contact the regional office of the Environmental Protection Agency.

**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.

**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 or spraying the wood until complete surface wetting is accomplished. Use 1.5 to 12 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 ft<sup>2</sup> 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 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 2.4 to 14.8 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. 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.

**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 reaway operations Busan 1071 can be added directly to the reaway 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 runoff.

**COATINGS:** Busan 1071 is used to protect coatings against disfigurement and deterioration by fungi. Busan 1071 is added at 2.0 to 36.0% based on the total weight of the coatings. For solvent-based coatings the Busan 1071 can be dissolved in aromatic solvents or combinations of aromatic and aliphatic solvents and added to the let down or added directly to the finished paints. For water-thinned latex emulsion coatings, Busan 1071 can be premixed with the wetting agent and added to the pigment slurry or simply added to the let down or finished paint. Rates to be used will vary according to temperature, humidity, substrate condition, etc. Under conditions suitable for aggressive fungal growth, the high rate mentioned above should be used.

### STORAGE & 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:** 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 your EPA Regional Office for guidance.

**CONTAINER DISPOSAL:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

NPCA Rating

Health	3	Flammability	2	Reactivity	1	Maximum Personal Protection
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MANUFACTURED BY

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## per 1000 BUCKMAN LABORATORIES, INC.

1256 N. McLEAN BLVD., MEMPHIS, TENN. 38108, U.S.A.

EPA EST. NO. 1448-TN-1

NET CONTENTS: Marked on container

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