

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

6 1992

Dennis L. Barbee, M.S.  
Buckman Laboratories International  
1256 North McLean Blvd.  
P.O. Box 8305  
Memphis, TN 38018-0305

Dear Mr. Barbee:

Subject: BUSAN 1009  
EPA Reg. No. 1448-81  
Re: Labeling Amendments  
Your submission dated July 2, 1991 and January 15, 1992

The review of the labeling referred to above submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is complete and the labeling is acceptable subject to the following comments:

1. As is requested in the Agency letter dated October 28, 1991, please add the phrase "Contains Heavy Aromatic Naphtha" below the ingredients statements.
2. Revise 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.
3. Add the following to the Precautionary Statements: Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

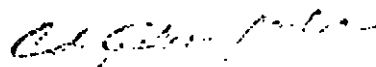
CONCURRENCES

SYMBOL	H75050						
SURNAME	Cole						
DATE	3/20/92						

4. Under Environmental Hazards, delete the second sentence.

Please submit five (5) copies of your final printed labeling incorporating these changes before releasing your product for shipment. A stamped copy is enclosed for your records.

Sincerely,



Cynthia Giles-Parker  
Product Manager (22)  
Fungicide-Herbicide Branch  
Registration Division (H7505C)

enclosure

3 of 4

# BUSAN 1025

BUSAN is a registered trademark.

ACTIVE INGREDIENTS  
Methylene bishiocyanate  
2-(Thiocyanomethylthio)ethylamine  
INERT INGREDIENTS

**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 glycerine. 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.

## 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:** 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.

## 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 1025 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 15 to 100 gallons Busan 1025/1000 gallons of oil based solvent (135 to 900 lbs Busan 1025/1000 gallons of oil based solvent) and agitate vigorously until Busan 1025 is thoroughly dispersed. Rates to be used will vary according to temperature, humidity, wood moisture, storage conditions, etc. Treatment should be made as quickly as possible after lumber is cut and always within 24 hours after cutting.

**COATINGS:** Busan 1025 is used to formulate coatings that are mold resistant and that prevent sapstain and decay by fungi. Use levels will vary from 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.

ACCIDENTAL RELEASES  
with COMBAT  
In EPA Letter #

6-1988

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for registration under FIFRA.

1448-81

**HMS/NPCA RATING**  
Health 3 Flammability 2 Reactivity 1

Manufactured By EPA Est. No.  
**BUCKMAN LABORATORIES**  
1256 N. McLEAN BLVD., MEMPHIS,  
(901) 278-0330 or 1-800-727

# BUSAN 1009

BUSAN is a registered trademark.

KEEP OUT OF REACH OF CHILDREN  
**DANGER**

1448-81

## PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

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## DIRECTIONS FOR USE

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**SAPSTAIN AND MOLD CONTROL:** Busan 1009 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 0.5 to 2 gallons of Busan 1009/100 gallons water (5 to 18 lbs of Busan 1009/100 gallons water) and agitate vigorously until Busan 1009 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 1009 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 Busan 1009 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 Busan 1009 per tonne (0.5 to 1.5 lb per ton) of moisture free pulp. Busan 1009 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.

## ACTIVE INGREDIENTS:

2-(Thiocyanomethylthio)benzothiazole

Methylene bis(thiocyanate)

## INERT INGREDIENTS:

**COOLING TOWERS:** Busan 1009 is used to protect cooling tower wood against soft or surface rot. It is applied by spraying or painting a dispersion containing 0.5 to 0.7% Busan 1009 in water onto the clean amount applied should provide 0.6 to 0.8 lb Busan 1009 per 1000 sq ft of wood surface. Soft or surface rot by periodic shock doses of Busan 1009 to the recirculating cooling water at the lower basin or cold water provide 1.25 lb of Busan 1009 per 1000 gal of water and the bleedoff should be stopped for 4 to 6 hr after treatment should be repeated every four months. **COOLING WATER:** Busan 1009 is used to control algae in industrial recirculating cooling water systems. Before treatment is begun, the system should be cleaned of algae growth, microbiological slime, and other deposits. The system should then be drained, flushed, treated with an initial dose of 0.6 to 3.7 fl oz Busan 1009 per 1000 gal water in the system. Subsequent fl oz per 1000 gal should be made every 1 to 5 days, depending on amount of bleedoff and severity of growth. **DRILLING FLUIDS:** To inhibit bacterial and fungal degradation of the fluids or muds used in the drill bit is incorporated in the drilling fluid at concentrations of 0.05 to 0.25% based on the total wet weight of fluid. **PETROLEUM SECONDARY RECOVERY:** Busan 1009 is used to control sulfate-reducing bacteria and fungi in oil-field water, polymer, or micellar floods, water-disposal systems, and other oil-field water treatments of 3.9 to 13.0 fl oz of Busan 1009 per 1000 gal of water treated. Additions should be made continuously by means of a metering pump at the free water knockouts, before or after injection pumps and Continuous Feed Method: When system is noticeably fouled, add 3.9 to 13.0 fl oz Busan 1009 continuously until desired degree of control is achieved. Then treat with 3.9 to 13.0 fl oz Busan 1009 continuously, or as needed to maintain control. Intermittent or Slug Method: When system is noticeably fouled, add 3.9 to 13.0 fl oz Busan 1009 per 1000 gal of water for 4 to 8 hr per day and 1 to 4 times per week to maintain control.

**CRUDE AND REFINED OILS:** Busan 1009 is an oil-soluble preservative for the control of bacteria and degradation of crude oil and refined fuel oils during storage. It should be added to the oil as it is being shipped 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 where mixing occurs or continuously to the suction side of the transfer pump.

**HIDES AND SKINS:** Busan 1009 is used to prevent bacterial decomposition of brine-cured hides and skins. It should be used at a level of 0.3 to 2.0 lb/1000 lb of green fleshed hides or skins. In racway operations Busan 1009 is added directly to the racway during the addition of hides and operation of paddles. In processor operations Busan 1009 is added as a dispersion in water. A satisfactory dispersion of one part Busan 1009 plus four parts water should be added to the water (as opposed to adding water to Busan 1009) with agitation. **LEATHER:** Busan 1009 is used to control bacterial and fungal growth on chrome- or vegetable-tanned hides and skins during tanning or post-tanning operations. Busan 1009 is used at treatment rates of 0.5 to 2.5 lb/1000 lb of white weight stock. A dispersion as described above should be added to the pickling solution or to the tanning liquor during the tanning operation or post-tanning reheat.

**COATINGS:** Busan 1009 is used to formulate coatings that are mold resistant and that prevent sapstain. Use levels will vary from 0.5 to 9.0% based on the total weight of the formulation. The exact level to use will vary according to the nature and amount of other components of the formulation. For detailed directions on coatings formulations, see "Busan 1009 for Wood-Protective Coatings" for detailed directions on coatings formulations.

**PULP MILLS:** To protect wood chips from fungal degradation during storage, Busan 1009 is used at 0.1 to 0.5 lb/ton of wood. It can be applied through a water shower or spray located in the pneumatic conveyor carrying the wood to the storage pile. For preservation of wet lap or sheet pulp, Busan 1009 is used at 0.5 to 4 lb/ton applied to the surface of dewatered pulp by means of sprays or applicator rolls. Pulp that may be held in storage for 1 week should be treated with 0.25 to 0.75 kg of Busan 1009 per tonne (0.5 to 1.5 lb per ton) of moisture free pulp. Busan 1009 is employed as a preservative against mold and fungi for particle board and other wood-base fiber and particle panel materials. In this use, Busan 1009 is mixed with the furnish, at 0.1 to 3% based on the dry weight of the wood.

**HMIS/NPCA RATING**  
Health 3 Flammability 2 Reactivity 1

Product Weight: 9.1  
NET CONTENTS MARKING  
EPA Reg. No.

Manufactured By EPA Est. No. 1448-TN-1  
**BUCKMAN LABORATORIES, INC.**  
1256 N. McLEAN BLVD., MEMPHIS, TN 38108 USA  
(901) 278-0330 or 1-500-727-2772