



BUSAN[®] 1009

ACTIVE INGREDIENTS
Methylene bis(thiocyanate)
2-(Thiocyanomethyl)thiobenzothiazole
INERT INGREDIENTS

10%
10%
80%

EPA REG NO 1448-81

**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. 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.

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 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 1.9 to 3.0 kg of Busan 1009/100 l water (16 to 25 lbs of Busan 1009/100 gal 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.

PULP MILLS: To protect wood chips from fungal degradation during storage, Busan 1009 is used at 0.5 to 2 lb/ton of oven dry wood. It can be applied through a water shower or spray located in the pneumatic conveyor carrying chips from the chipper to the storage pile. For preservation of wet lap or sheet pulp, Busan 1009 is used at 0.5 to 4 lb/ton of oven dry fiber. It is applied to the surfaces of the dewatered pulp by means of sprays or applicator rolls.

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 make mold resistant paper or paperboard, Busan 1009 is added at 0.5 to 2 lb/ton of dry paper or paperboard per side treated. For coated paper or board, Busan 1009 is incorporated in the coating mix prior to application of the coating. For uncoated paper or board, Busan 1009 is dispersed in water, surface sizing solution, or other solvent and applied to the surface to be protected by means of an applicator roll. For the preservation of agricultural mulch paper, Busan 1009 is used at 1.5 to 5 lb/ton of dry paper. It is applied to the surface of the mulch paper by tub sizing methods or by means of sprays or applicator rolls before the paper is coated.

PARTICLE BOARD: Busan 1009 is employed as a preservative for particle board, insulation board, and other wood base fiber and particle panel materials. In the use, Busan 1009 is mixed with the resin or binding agent at 0.1 to 1% based on the dry weight of the resin.

COOLING TOWERS: Busan 1009 is used to protect cooling tower wood against soft rot and internal or dry rot. It is applied by spraying or painting a dispersion containing 0.5 to 0.7 lb of Busan 1009 in water onto the near wood surfaces. The amount applied should provide 0.6 to 0.8 lb of Busan 1009 per 1000 ft² of wood surface. Soft rot surface rot can also be inhibited by periodic shock doses of Busan 1009 to the recirculating cooling water at the tower basin or cold well. The dosage should provide 1.25 lb of Busan 1009 per 1000 gal of water and the bleedoff should be stopped for 4 to 6 hours after treatment. The shock treatment should be repeated every four months.

COOLING WATER: Busan 1009 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 of Busan 1009 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.

DRILLING FLUIDS: To inhibit bacterial and fungal degradation of the fluids or muds used in the drilling of wells, Busan 1009 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: Busan 1009 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 0.2 to 3.7 fl oz of Busan 1009 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 0.6 to 3.7 fl oz of Busan 1009 per 1000 gal of water continuously until desired degree of control is achieved. Then treat with 0.2 to 1.2 fl oz of Busan 1009 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 0.6 to 3.7 fl oz of Busan 1009 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 1009 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 0.6 to 6.0 fl oz of Busan 1009 per 1000 gal of oil. Addition should be made batchwise where mixing occurs or continuously to the suction side of the transfer pump.

CAULKING SEALANTS & WALLCOVERING ADHESIVES: Busan 1009 is used as a preservative for caulking sealants and vinyl acetate wallcovering adhesives. It is added at rates of 0.1 to 0.5% based on the total wet weight of the substrate and mixed to insure even distribution. NOTE: Do not use in caulking sealant products intended for use in contact with food.

STORAGE & DISPOSAL

PROHIBITIONS: Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited. Do not reuse empty container.

PESTICIDE DISPOSAL: Pesticide, spray mixture, or rinse water that cannot be used according to label directions must be disposed of according to applicable Federal, state, or local procedures.

CONTAINER DISPOSAL: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other approved state and local authorities.

MANUFACTURED BY

BUCKMAN LABORATORIES, INC.

1256 N. MCLEAN BLVD., MEMPHIS, TENN. 38104 U.S.A. MAR 15 1982

EPA EST NO 1448 TN 1

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