



BUSAN 1009WB

BUSAN is a registered trademark.

KEEP OUT OF REACH OF CHILDREN

DANGER

Precautionary Statements

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

FIRST AID

| | |
|---------------------|---|
| If in Eyes | - Hold eye 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.

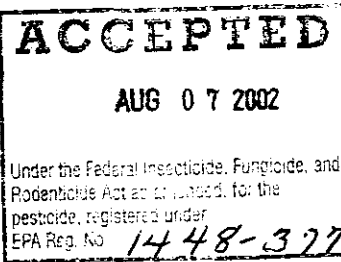
DANGER: Corrosive, causes irreversible eye damage and skin burns. May be fatal if swallowed or absorbed through the skin. Do not get in eyes, on skin, or on clothing. Do not breathe vapor or spray mist. Wear goggles or face shield, a mask or pesticide respirator jointly approved by MSHA and OSHA, protective clothing and shoes, and rubber gloves. 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.

| | |
|---|----------------|
| ACTIVE INGREDIENTS: | |
| 2-(Thiocyanomethylthio)benzothiazole..... | 10.0% |
| Methylene bis(thiocyanate)..... | 10.0% |
| INERT INGREDIENTS:80.0% | |
| TOTAL | 100.00% |

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 four 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, or by other procedures approved by state and local authorities.



| | |
|---|---|
| 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. | 1448-377 |
| Product Weight | 9.2 lbs/gal 1.1 kg/l |
| Net contents are marked on the container. | |
| HMIS / NPCA Ratings | |
| Health 3 | Flammability 1 Reactivity 1 |
| Last Revision | |
| 7/11/2002 | |

Directions for Use

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

PULP MILLS: To control bacterial and fungal growth on paper and paperboard machines, Busan 1009WB is added to the whitewater 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, starch slurries and solutions). Busan 1009WB 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 1009WB per tonne (0.5 to 1.5 lb per ton) of moisture-free pulp. Busan 1009WB 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.

PARTICLE BOARD: Busan 1009WB is employed as a preservative against mold and fungi for particle board, insulation board, and other wood-base fiber and particle panel materials. In this use, Busan 1009WB is mixed with the furnish, resin, or binding agent at 0.1 to 0.3% based on the dry weight of the wood.

BACTERIOSTATIC PAPER: Busan 1009WB may be used in the production of bacteriostatic paper and paperboard when included in the coating formulation at a dosage of 0.5-9.0% weight/weight of product and added at the size press or similar application. The bacteriostatic paper and paperboard applications are not to be used in the manufacture of food contact paper, paper coatings, or paperboard.

COOLING TOWERS: Busan 1009WB 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 0.5 to 0.7% Busan 1009WB in water onto the clean wood surfaces. The amount applied should provide 0.6 to 0.8 lb Busan 1009WB per 1000 sq ft of wood surface. Soft or surface rot can also be inhibited by periodic shock doses of Busan 1009WB to the recirculating cooling water at the tower basin or cold well. The dosage should provide 1.25 lb of Busan 1009WB 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 1009WB 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 Busan 1009WB 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 FLUID: To inhibit bacterial and fungal degradation of the fluids or muds used in the drilling of wells, Busan 1009WB 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 1009WB 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 3.9 to 13.0 fl oz of Busan 1009WB 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 3.9 to 13.0 fl oz Busan 1009WB per 1000 gal of water continuously until desired degree of control is achieved. Then treat with 3.9 to 13.0 fl oz Busan 1009WB 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 3.9 to 13.0 fl oz Busan 1009WB per 1000 gal of water for 4 to 8 hr per day and 1 to 4 times per week, as needed to maintain control.

CRUDE AND REFINED OILS: Busan 1009WB 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 0.6 to 6.0 fl. oz. 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 1009WB is used to prevent bacterial decomposition of brine cured hides and skins. Busan 1009WB should be used at a level of 0.003 - 0.02% (30-200 ppm) based upon the weight of green fleshed hides or skins and saturated brine solution. In raceway operations, Busan 1009WB can be added directly to the raceway during the addition of hides and operation of paddles. In processor/mixer applications, Busan 1009WB should be added as dispersion in water. A satisfactory dispersion of 1 part Busan 1009WB plus 4 parts water can be prepared by adding the Busan 1009WB to the water (as opposed to adding water to Busan 1009WB) with agitation.

LEATHER: Busan 1009WB can be used to prevent bacterial decomposition of brine cured, wet salted, air-dried or green fleshed hides/skins in the soaking process. For this purpose, treatment levels of 0.02-0.05% (200-500ppm) based on the total weight of hides/skins and process water (float). Busan 1009WB is recommended for the prevention of mold in the storage, transport and processing of wet leather stock such as pickled, vegetable-, chrome-, alternative metal or metal free tanned hides/skins. For this purpose, Busan 1009WB is used at treatment rates of 0.05-0.25% (500-2500ppm) of white lime stock weight. A dispersion as described above should be prepared and added to the pickling solution or tanning liquor during the tanning operation or to the rinse water in a post tanning refloat. The product can also be applied during the flatiquoring process to prevent fungal growth at (0.025-0.075% (250-750)ppm) based on the split and shaved weight of leather being processed.

PIGMENT SLURRIES, COATINGS, ADHESIVES, CAULKS AND SEALANTS: For the preservation of pigment slurries, coatings, adhesives, caulks and sealants, Busan 1009WB should be added at a point in the processing system where there is sufficient time and agitation for good mixing and dispersion. The actual amount of material to be added for the preservation of any given formulation will depend on the components and storage time and conditions. Dosage rates should be determined by actual testing. For pigment slurries, coatings, adhesives, caulks and sealants which are subject to bacterial and fungal attack in their containers, Busan 1009WB should be added at use levels of 0.5 to 0.75% by weight to inhibit this attack. To inhibit fungal growth on the dried coating, adhesive, caulk, or sealant, Busan 1009WB should be incorporated at a use level of 0.75 to 2.5% by weight. To formulate coatings that are mold resistant and that prevent sapstain and decay by fungi, Busan 1009WB should be added at use levels of 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.

REVERSE OSMOSIS SYSTEMS: Busan 1009WB may be used to control microbiological fouling in reverse osmosis systems used for process, wastewater and other non-potable applications. Busan 1009WB should be fed to the membrane feedwater at a rate of 0.25 - 5 ppm (0.03 - 0.6 fl. oz./ 1000gal). The product should be added continuously for a time period of 1 - 3 hours, 3 - 7 days each week depending on the severity of the problem. For off-line cleaning, Busan 1009WB should be added to provide 5 - 50 ppm (0.6 - 6 fl. oz./ 1000 al.)

1448-377

08/07/2002

1/1