

BUSAN 85

BUSAN is a registered trademark.

ACCEPTED
SEP 09 1998
Under the Federal Insecticide, Fungicide, and
Rodenticide Act as amended, for the
pesticide, registered under
EPA Reg. No. 1448-70

ACTIVE INGREDIENTS:
Potassium dimethyldithiocarbamate..... 50.0 %
INERT INGREDIENTS:..... 50.0 %

PM 33
1448-70
9/9/98

KEEP OUT OF REACH OF CHILDREN DANGER

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER: Corrosive. Causes eye and skin damage. Harmful if swallowed. Do not get in eyes, on skin, or on clothing. Avoid contamination of food. Wear goggles or face shield and rubber gloves when handling. Wash thoroughly after handling.

STATEMENT OF PRACTICAL TREATMENT: In case of skin contact, wash with plenty of soap and water. Remove contaminated clothing and wash before reuse. If product gets in the eyes, flush immediately with copious amounts of clean, cool water for at least 15 minutes. Get medical attention immediately. If product is swallowed, promptly drink one (1) or two (2) glasses of water. Contact a physician or Poison Control Center immediately. **DO NOT INDUCE VOMITING.**

Note to physician: Probable mucosal damage may contraindicate gastric lavage.
ENVIRONMENTAL HAZARDS: This pesticide is toxic to fish. 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.

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. 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.

COOLING WATER SYSTEMS: Busan 85 is used to inhibit the growth of microorganisms in industrial, commercial and institutional cooling water systems. In noticeably fouled systems, Busan 85 should be added daily at a rate of 2.0 to 3.0 fl. oz. of Busan 85 per 1000 gallons of system water (20-30 ppm) until control is evident. Subsequent additions of BUSAN 85 should be made to the system as needed at a rate of 1.0 to 3.0 fl. oz. of Busan 85 per 1000 gallons of system water (10-30 ppm) to maintain control. The frequency of treatment depends upon the severity of the microbiological problem. For best results the system should be cleaned prior to treatment.

INDUSTRIAL AIR WASHER SYSTEMS: Busan 85 is used to inhibit the growth of microorganisms in industrial air washer systems. In noticeably fouled systems, Busan 85 should be added at a rate of 4.7 fl. oz. of Busan 85 per 1000

gallons of water (47-60 ppm) until control is evident. Subsequent additions of Busan 85 should be made to the system as needed at a rate of 3.5 to 6.0 fl. oz. of Busan 85 per 1000 gallons of water (35-60 ppm) to maintain control. The frequency of treatment depends upon the severity of the microbiological problem. For best results the system should be cleaned prior to treatment.

PETROLEUM SECONDARY RECOVERY WATERFLOODING OPERATIONS: Busan 85 is used to control sulfate-reducing bacteria in petroleum secondary recovery waterflooding operations at dosages of 0.83 to 1.66 fl. oz. of Busan 85 per 1000 gallons of water treated. Technical assistance in applying Busan 85 to a particular secondary recovery system is available upon request when a description of the problem is provided.

PULP AND PAPER MANUFACTURING: Busan 85 is used to control bacterial and fungal slime in pulp and paper mill systems. Recommended treatment rates are 0.25 to 1.0 lb. of Busan 85 per ton of pulp or paper produced for periods of 2-6 hours out of each 8, each 12, or each 24 hours. Required concentrations and frequency of treatment will depend on the rate of slime accretion. Busan 85 is added to the white water or stock going to the fan pump, and, if necessary, to fresh water, slush pulp, broke, or other machine furnish components. 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 85 is added to these materials in concentrations of 50 to 400 ppm (weight/weight).

PAINTS, COATINGS AND CUTTING FLUIDS: Busan 85 is also used to inhibit the growth of bacteria and fungi in water-thinned paints or coatings, emulsion resins, caulking-sealants, adhesives, and cutting fluids. For these applications, Busan 85 is incorporated into the material to be protected at concentrations of 0.03 to 0.2% based on total wet weight of the material.

DRILLING MUDS, COMPLETION FLUIDS: Busan 85 is used to inhibit the growth of fungi and bacteria in water-based drilling muds, completion fluids, packer fluids, and other water-based drilling fluids containing starch, gums, sugars, or other organic materials. For these purposes Busan 85 is added at rates of 2.5 to 4.2 gallons per 100 barrels of fluid (0.06-0.1% by volume).

DIESEL AND DISTILLATE HEATING OIL: Busan 85 is a preservative used to control sulfate-reducing bacteria and slime-forming bacteria that cause the degradation of diesel and distillate heating oils during storage. Busan 85 should be added to the oil as it is being transferred from the shipping container to the storage tank at the rate of 6.0 to 12.0 fl. oz. Busan 85 per 1000 gallons of oil. Addition may be made batchwise where mixing occurs or continuously to the suction side of the transfer pump.

WASTEWATER TREATMENT SYSTEMS: Busan 85 may be used to control anaerobic bacteria, filamentous bacteria that cause bulking problems and other troublesome microorganisms in wastewater treatment systems and effluent. The quantity of Busan 85 required for control will vary with the severity of the problem. Busan 85 should be dosed to the system at the rate of 0.5 to 3.0 fl. oz. per 1000 gallons of wastewater (5-30 ppm) to various locations in the system to allow for mixing, every one to five days as needed for control; or fed continuously at the rate of 0.1 to 1.0 fl. oz. per 1000 gallons of wastewater flow (1-10 ppm) ahead of the problem area.

INDUSTRIAL WATER PURIFICATION SYSTEMS: Busan 85 is used to control microbiological fouling in industrial water purification systems including reverse osmosis systems, filters, clarifiers, and ion exchange equipment. For off-line treatment, Busan 85 should be fed at a concentration of 5.0 to 10.0 fl. oz. of Busan 85 to 1000 gallons of water (40-100 ppm) for 4 to 8 hours. For on-line maintenance treatment, dosing 1.0 to 2.0 fl. oz. per 1000 gallons of water (10-20 ppm) for 6 to 12 hours should be made once a week or as needed to maintain control. **Not intended for use in potable water systems.**

HMIS/NPCA RATING
Health 3 Flammability 1 Reactivity 1

Product Weight: 10.3 lbs./gal. 1.23 kg/l
NET CONTENTS MARKED ON CONTAINER

EPA Reg. No. 1448-70

Manufactured By EPA Est. No. 1448-TN-1, 1448-MO-1
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