

TCMTB 5WB

ACCEPTED
with COMMENTS
In EPA Letter Dated

KEEP OUT OF REACH OF CHILDREN SEP 10 1996
DANGER

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide ~~AMM IAR Code: EPA Reg. No. 1788-216~~

DANGER: Corrosive. Causes irreversible eye damage. Causes skin damage. This product may cause allergic skin reactions. Do not get in eyes, on skin, or on clothing. Wear goggles or face shield and rubber gloves when handling. Harmful or fatal if swallowed.

FIRST AID: If in eyes, flush with plenty of water. Get medical attention. If on skin, wash with plenty of soap and water. Get medical attention. 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. Get medical attention. Note to physician: Probable mucosal damage may contraindicate gastric lavage.

ENVIRONMENTAL HAZARDS: This pesticide is toxic to fish. Do not use in offshore or estuarine drilling operations. 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.

PHYSICAL AND CHEMICAL HAZARDS: Do not use or store near heat or open flame.

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

DIRECTIONS FOR USE

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

Technical assistance in applying TCMTB 5WB for microorganism control as described in the following upon request when a description of the problem is provided. **LEATHER:** TCMTB 5WB is used at treatment rates of 1.5 to 12.0 lb/1000 lbs of white weight stock to prevent the bacterial or fungal degradation of salt-cured hides and skins and to prevent mold growth on chrome- or vegetable-tanned hides and skins. For treating hides cured with dry salt, TCMTB 5WB should be sprinkled on the hides or should be mixed with the salt before it is applied to the hides. For treating tanned hides, TCMTB 5WB should be dispersed in water and added to the pickling solution or to the tanning liquor at the start of the tanning operation. For preservation of leather-finishing pastes and fat liquors, TCMTB 5WB is added to the pastes at 0.60 to 1.5% by weight of treated paste and mixed to ensure adequate dispersion. **PULP MILLS:** To protect wood chips from fungal degradation during storage, TCMTB 5WB is used at 3.0 to 12.0 lb/ton of oven-dry wood. It can be applied through a water shower of spray located in the pneumatic conveyor carrying chips from the chipper to the storage pile. For preservation of wet lap or sheet pulp, TCMTB 5WB is used at 3.0 to 24 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 made from TCMTB 5WB is added to the

ACTIVE INGREDIENTS:

2-(Thiocyanomethylthio)benzothiazole 5.0 %

INERT INGREDIENTS: 95.0 %

white water or stock at 0.6 to 3.0 lb/ton of dry paper or paperboard produced. To make mold-resistant paper or paperboard, TCMTB 5WB is used at 0.3 to 0.6 lb/1000 sq ft of surface. For coated paper or board, TCMTB 5WB is incorporated in the coating mix prior to application of the coating. For uncoated paper or board, TCMTB 5WB 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, TCMTB 5WB is used at 1.9 to 30 lb/ton air-dry paper. It is applied to the surfaces of the mulch paper by tub-sizing methods or by means of sprays or applicator rolls before the paper is coated. **PARTICLE BOARD:** TCMTB 5WB is employed as a preservative for particle board, insulation board, and other wood-base fiber and particle panel materials. In this use, TCMTB 5WB is mixed with the resin or binding agent at 0.6 to 6.0% based on the dry weight of the wood. **SAP STAIN CONTROL:** TCMTB 5WB is used to control sap stain and mold on freshly cut softwood and hardwood lumber, logs, poles, posts, and timbers. It is applied by dipping, spraying or pressure impregnation of the wood with a dispersion containing 3 to 48 gal of TCMTB 5WB per 100 gal water. Treatment should be made within 24 hr of cutting or sawing, particularly in warm weather, and treated wood should not be exposed to heavy rains soon after treatment. **COOLING TOWERS:** TCMTB 5WB is used to protect cooling tower wood against soft or surface rot and internal or dry rot. It is applied by spraying or painting a dispersion containing 3.0 to 4.2% TCMTB 5WB in water onto the clean wood surfaces. The amount applied should provide 3.6 to 4.8 lb TCMTB 5WB per 1000 sq ft of wood surface. Soft or surface rot can also be inhibited by periodic shock doses of TCMTB 5WB to the recirculating cooling water at the tower basin or cold well. The dosage should provide 7.5 lb of TCMTB 5WB 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:** TCMTB 5WB 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 algae growth, microbiological slime, and other deposits. The system should then be drained, flushed, refilled with water, and treated with an initial dose of 3.6 to 22.2 fl oz TCMTB 5WB per 1000 gal water in the system. Subsequent additions of 1.2 to 7.2 fl oz per 1000 gal should be made every 1 to 5 days, depending on amount of bleedoff and severity of microbiological fouling. **COATINGS:** TCMTB 5WB is used to protect coatings against discoloration and deterioration by fungi. TCMTB 5WB is added at 3 to 30% based on the total weight of coatings. For solvent-based coatings the TCMTB 5WB can be dissolved in aromatic solvents or combinations of aromatic and aliphatic solvents and added in the let down or added directly to the finished paints. For water-thinned latex emulsion coatings, the TCMTB 5WB can be premixed with the wetting agent and added to the pigment slurry or simply added to the let down or finished paint. **DRILLING FLUIDS:** To inhibit bacterial and fungal degradation of the fluids or muds used in the drilling of wells, TCMTB 5WB is incorporated in the drilling fluid at concentrations of 0.3 to 1.5% based on the total weight of the fluid. **PETROLEUM SECONDARY RECOVERY:** TCMTB 5WB 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 1.2 to 22.2 fl oz of TCMTB 5WB 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 3.6 to 22.2 fl oz TCMTB 5WB per 1000 gal of water continuously until desired degree of control is achieved. Then treat with 1.2 to 7.2 fl oz TCMTB 5WB 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 3.6 to 22.2 fl oz TCMTB 5WB 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. **CUTTING FLUIDS:** TCMTB 5WB is used to inhibit bacterial and fungal degradation of water-based and water-soluble or emulsifiable cutting fluids and coolants used in metalworking operations. It should be added to the cutting fluid at a rate that will provide 600 to 1500 parts per million TCMTB 5WB (weight/weight) after final dilution of water. TCMTB 5WB can be added after dilution or to the concentrate before dilution. To prevent fungal growth on the inside walls of the diluted metalworking fluid storage tanks, higher concentrations of TCMTB 5WB are needed. For this application, it is recommended that TCMTB 5WB be added to the diluted fluid as it is prepared to provide a concentration of 3000 to 7500 parts per million. **REFINED OILS:** TCMTB 5WB is an oil-soluble preservative for the control of bacteria and fungi that cause the degradation of 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 16 to 32 fl oz TCMTB 5WB per 1000 gal of oil. Addition should be made batchwise where mixing occurs or continuously to the suction side of the transfer pump.

HMIS/NPCA RATING

Health 3 Flammability 1 Reactivity 1

Product Weight: 8.5 lbs./gal. 1.02 kg/l
NET CONTENTS MARKED ON CONTAINER

EPA Reg. No. 1448-

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

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