

MBT-5

## INDUSTRIAL MICROBICIDE

### ACTIVE INGREDIENTS

Methylene bis(3-thioyanate)	25%
2-Thioyanomethylthiazothiazole	25%
<b>INERT INGREDIENT</b>	<b>50%</b>

This product weighs 2.90 pounds per gallon.

### 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 finish 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, do not induce vomiting or Person Control for too long. For 2 glasses of water and induce vomiting by knocking back of the at with finger. Do not induce vomiting or give anything to eat to an unconscious person.

**ENVIRONMENTAL HAZARDS:** This pesticide is toxic to fish. Do not apply directly to a stream, water body, or to any area that may be expected to discharge pollutants into lakes, streams, ponds, or public water. For guidance, contact the regional office of the Environmental Protection Agency.

**PHYSICAL AND CHEMICAL HAZARDS:** Do not expose to extreme temperatures.

### STORAGE & 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. Drums opened or damaged should be placed in overpack drums for disposal. Drums should be placed in a well-ventilated area and disposed of in a safely labeled, rigid container closed when not in use.

**PESTICIDE DISPOSAL:** Pesticide wastes are acutely hazardous. Improper disposal of acute pesticide spray or other materials is a violation of Federal law. These wastes should be disposed of by using an agency to label pesticides, or contact your State Pesticide Control Authority or the Hazardous Waste Management Unit of your EPA Region Office for guidance.

**CONTAINER DISPOSAL:** For a drum, for example, offer for recycling or reuse, or use other methods of disposal, if available, to the appropriate authority as required by state or 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 TOWERS** MBT-5 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 2.0 to 2.5% MBT-5 in water onto the clean wood surfaces. The amount applied should provide 2.4 to 3.2 lb MBT-5 per 1000 sq ft of wood surface. Soft or surface rot can also be inhibited by periodic shock doses of MBT-5 in water circulating cooling water at the tower basin or sump well. The dosage should provide 5.0 lb of MBT-5 per 1000 gal of water and the bleed-off should be stopped for 48 hours after treatment. The shock treatment should be repeated every four months.

**COOLING WATER** MBT-5 is used to control algae, bacteria and fungi in industrial recirculating cooling water systems. Before treatment is begun, the system should be purged thoroughly to remove old algae growth, microbiological sludge, and other deposits. The system should then be drained, flushed with clean water, and treated with an initial dose of 2.4 to 14.8 lb of MBT-5 per 1000 gal water in the system. Subsequent additions of 0.8 to 4.8 lb of per 1000 gal should be made every 1 to 2 days, depending on amount of bio-film and severity of microbial growth.

**DRILLING FLUIDS** To inhibit bacterial and fungal degradation of the fluids or muds used in the drilling of wells, MBT-5 is incorporated in the drilling fluid at concentrations of 0.2 to 1.0% based on the total wet weight of the fluid.

**PETROLEUM SECONDARY RECOVERY** MBT-5 is used to control sulfate-reducing bacteria, slime-forming bacteria and fungi in oil field water, polymer or surfactant flood water disposal systems, and other oil field water systems at dosage rates of 15.6 to 52.0 lb of MBT-5 per 1000 gal of water treated. Additions should be made continuously or intermittently by means of a metering pump at the free water knifecuts before or after injection pumps and injection well headers. **Continuous Feed Method:** When system is not heavily fouled, add 15.6 to 52.0 lb of MBT-5 per 1000 gal of water continuously, or as needed to maintain control. **Intermittent or Slug Method:** When system is not heavily fouled, or to maintain control, add 15.6 to 52.0 lb of MBT-5 per 1000 gal of water for 4 to 8 hr per day at 1 to 4 times per week, or as needed to maintain control.

**CRUDE AND REFINED OILS** MBT-5 is an oil soluble preservative for the control of bacteria and fungi that cause the degradation of crude oil and refined fuel oil during storage. It should be added to the oil as it is being transferred from the shipping containers to the storage tank at the rate of 2.4 to 24.0 lb of MBT-5 per 1000 gal of oil. Additions should be made batchwise when being received, or continuously to the suction side of the transfer pump.

**ACCEPTED**  
NEW YORK  
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