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Printed: 07:39:23 Tuesday, 13 Jul, 1999 # 17 / 3528

Systems Integration Group, Inc.

PM 33

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

JUN 08 1999

OFFICE OF  
PREVENTION, PESTICIDES  
AND TOXIC SUBSTANCES

Albright & Wilson Americas, Inc.  
P. O. Box 4430  
Glen Allen, VA 23058-4439

Attention: Paul R. Larson

Subject: Biocide MW-10  
EPA Registration Number 4564-14  
Your Submission Dated April 22, 1999  
EPA Received Date April 27, 1999

The submitted final printed labels have been placed in your product file. They have been reviewed in accordance with PR Notice 82-2.

If you have any questions concerning this letter, please contact Karen M. Leavy-Munk at (703)-308-6237.

Sincerely yours,

A handwritten signature in cursive script that reads "Marshall Swindell".

Marshall Swindell  
Product Manager 33  
Regulatory Management Branch I  
Antimicrobial Division(7505C)

# TOLCIDE® MW-10

## METHYLENE BIS(THIOCYANATE) ♦ INDUSTRIAL MICROBIOCIDAL

### PRECAUTIONARY STATEMENTS

#### HAZARD TO HUMANS AND DOMESTIC ANIMALS

**DANGER:** Corrosive. Causes severe skin irritation and eye damage. Do not get in eyes, on skin or on clothing. Wear goggles or face shield and rubber gloves when handling. Wash thoroughly with soap and water after handling. Avoid breathing vapors. Harmful or fatal if swallowed.

For cooling water systems of  $\geq 4000$  gallons, do not apply by open pouring of liquid to cooling water systems; a metering pump delivery system is required for this use and application method.

#### ENVIRONMENTAL HAZARDS

This product 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.

#### DIRECTIONS FOR USE

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

**FOR CONTROL OF SLIME IN PAPER MILLS.** Apply at the rate of 2-8 ounces (59ml-237ml) by weight per ton of finished paper. Add intermittently or continuously depending on mill requirements. Apply at point well ahead of area of need and where immediate dispersion of water solution is not required, preferably where stock is of high consistency such as beater, hydropulper and broke chest.

**FOR CONTROL OF MICROBIAL ORGANISMS IN RECIRCULATING COOLING WATER TOWERS AND EVAPORATIVE CONDENSERS:** Initially add 6 to 12 ounces (177ml-355ml) per 1000 gallons (3.8kl) water. Repeat daily until controlled. Thereafter add 3 to 6 ounces (89ml-177ml) three times per week or as needed to maintain control. Add at a central point where uniform mixing is assured. (12oz per 1000 gal [355ml/3.8kl] = 9.3 PPM active: repeated dosing may increase this level). Tolcide MW-10 controls microbial slimes consisting of bacteria, fungi and/or algae. Tolcide MW-10 may be used in heat exchangers, cooling towers, water passing through filters which could become clogged with slime. Tolcide MW-10 may be added at lagoons prior to filters.

**BREWERY PASTEURIZERS:** Use 4-6 ounces (118ml-177ml) per 1,000 gallons (4Kl) of water for heavy contamination. Reduce to 2 ounces (59ml) per 1,000 gallons (4Kl) of water or as needed. Tolcide MW-10 may be added continuously or slug.

**PETROLEUM SECONDARY RECOVERY:** Tolcide MW-10 is used to control 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 4.0 fl. oz. of Tolcide MW-10 per 1000 gallons 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 4.0 fl. oz. Tolcide MW-10 per 1000 gallons of water continuously until desired degree of control is achieved. Then treat with 0.2 to 1.3 fl. oz. Tolcide MW-10 per 1000 gallons water continuously, or as needed to maintain control.

#### ACTIVE INGREDIENT:

Methylene bis(thiocyanate)..... 10%

INERT INGREDIENTS:..... 90%

TOTAL:..... 100%

EPA Reg. No. 4564-14

EPA Est. No. 1022-TN-1

### KEEP OUT OF REACH OF CHILDREN

## DANGER

#### STATEMENT OF PRACTICAL TREATMENT

If in eyes, immediately hold eyes open and flush with a steady, gentle stream of water for at least 15 minutes. Get medical attention.

If on skin, immediately wash thoroughly with soap and water. Get medical attention if irritation persists. Remove and wash contaminated clothing before reuse.

If swallowed, call a physician or Poison Control Center. Do not induce vomiting. Drink promptly large quantities of water. Avoid alcohol.

If inhaled, remove person to fresh air. If not breathing give artificial respiration, preferably mouth to mouth. Call a physician.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

See Other Precautions on Side Panel.

In case of emergency, call CHEMTREC at 1-800-424-9300.

NET WEIGHT 450 LBS. (204 Kg)

NOT REVIEWED

In Accordance with PR Notice 82-2.

Manufactured for:

Based on Draft Labeling Dated



**ALBRIGHT  
& WILSON**  
Americas

P.O. BOX 4439 • Glen Allen, Virginia 23058-4439 • 804-968-6300

**PETROLEUM SECONDARY RECOVERY (continued):** Intermittent or Slug Method: When system is noticeably fouled, or to maintain control, add 0.6 to 4.0 fl. oz. Tolcide MW-10 per 1000 gallons of water for 4 to 8 hours per day and 1 to 4 times per week, or as needed to maintain control.

**LEATHER PROCESSING LIQUORS:** Tolcide MW-10 may be used to prevent the growth of bacteria and fungi in the pickling and tanning processes of skins and hides. Depending upon the holding time, Tolcide MW-10 should be added at the rate of 0.025% to 0.25% (0.25 to 2.5 lbs. of Tolcide MW-10 per 1000 lbs.) of white weight stock.

**METAL WORKING FLUIDS:** For the control of fungus and bacteria in metal working fluids that contain water. Add 100 to 400 ppm of Tolcide MW-10 (0.10 to 0.40 gallons per 1,000 gallons of fluid) per week, or as needed to maintain control. Slug feeding to the fluid in the collection tank is recommended. Thoroughly mix the fluid after adding Tolcide MW-10 to ensure complete dispersion.

**AIR WASHER SYSTEMS:** For control of bacteria and fungi. Pre-clean the system with detergent and allow air washer to run with fan on for two hours. Flush and check nozzles, manually clearing as necessary. Add 10 to 40ppm of Tolcide MW-10 (0.01 to 0.04 gallons per 1,000 gallons of water) one to three times per week or as needed to maintain control. Add Tolcide MW-10 to a point where uniform mixing and even distribution will occur.

**SOLUTIONS AND EMULSIONS:** For the preservation of solutions, emulsions, adhesives and other aqueous liquid products, the addition of 75 to 200ppm of Tolcide MW-10 is effective. Add Tolcide MW-10 at a point in the processing system where there will be sufficient time and agitation for good mixing and dispersion. The exact amount of Tolcide MW-10 to be added for the preservation of given formulations will depend on the components as well as local storage time and conditions. Dosage rates should be determined by actual test. This product is not cleared for use in the manufacture of adhesives that may come in contact with food.

**FOR CONTROL OF BACTERIA AND FUNGI IN STORED FUEL:** Apply Tolcide MW-10 to the stored fuel at a concentration of 10-100 ppm. Add at a point that will insure uniform mixing. For long term storage add Tolcide MW-10 periodically, as required to maintain control. If possible, water bottoms should be removed prior to addition of the biocide.

**TANNING INDUSTRY - PICKLING AND STORAGE OF WET BLUE HIDES:** To control bacteria and fungi on skins and hides held in storage. Add 0.025-0.2% of Tolcide MW-10 (250-2000 ppm) per 1000 lbs. of stock (wet weight).

#### STORAGE AND DISPOSAL

**STORAGE:** Do not store near feed or food products. Do not mix with other chemicals.

**PESTICIDE DISPOSAL:** Do not contaminate water, food or feed by storage or 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 the nearest 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 incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

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