

PM 31 33677-6

5/12/97

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ALBRIGHT & WILSON

TOLCIDE® PS355A

INDUSTRIAL ANTIMICROBIAL

ACCEPTED
MAY 12 1997
Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 33677-6

Active Ingredient:

Tetrakis(hydroxymethyl) phosphonium sulfate 35%

Inert Ingredients: 65%

Total: 100%

EPA Reg. No. 33677-6

EPA Est. 550-TX-2

KEEP OUT OF REACH OF CHILDREN
DANGER

STATEMENT OF PRACTICAL TREATMENT

If in eyes: Flush immediately with large amounts of clean, cool water for at least 15 minutes. Get medical attention immediately.

If swallowed: Promptly drink large quantities of water. Do not induce vomiting. Avoid alcohol. Call a physician immediately.

If inhaled: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

If on skin: Wash with plenty of soap and water. Remove contaminated clothing and wash before reuse. Get medical attention.

Prolonged or frequent skin contact may cause allergic reactions in some individuals.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER: Causes eye damage and skin irritation. Do not get in eyes, on skin or on clothing. Wear goggles or face shield and rubber gloves when handling. Harmful if inhaled. Avoid breathing vapor. Remove contaminated clothing and wash clothing before reuse.

Harmful or fatal if swallowed. Avoid contamination of food.

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.

Do not use in facilities discharging directly or indirectly to the estuarine or marine environment.

TOLCIDE® is a registered trademark of ALBRIGHT & WILSON UK LIMITED.

Manufactured by:

ALBRIGHT & WILSON UK LIMITED

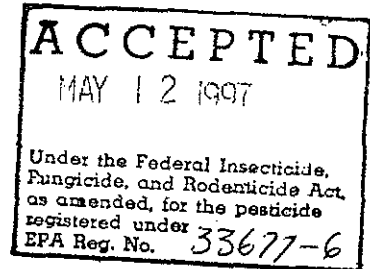
210-222 Hagley Road West

Oldbury, Warley

West Midlands, United Kingdom B68 0NN

Net Contents: As Marked on Container

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STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

Storage: Store this product in a cool, dry area away from direct sunlight and heat to avoid deterioration. In case of a spill, flood the area with large quantities of water.

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 the nearest EPA Regional Office for guidance.

Container Disposal: Triple rinse (or equivalent) all containers and 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 violation of Federal Law to use this product in a manner inconsistent with its labeling.

Paper Manufacturing (for control of bacteria, fungi and algae)

Not for use in manufacture of paper and paperboard products and adhesives that may come in contact with food.

Dosing: Additions should be made at a point in the system where mixing action is good, e.g. raw stock chest beater or mixing unit.

Add intermittently or continuously depending on mill conditions.

Intermittent Dosing: Add 70-1000 ppm of TOLCIDE PS355A based on total water volume or an equivalent based on dry weight of paper produced.

Continuous Dosing: Add 40-140 ppm of TOLCIDE PS355A based on total water volume or an equivalent based on dry weight of paper produced.

Industrial and/or Commercial Recirculating Cooling Water Systems and Evaporative Condensers (for control of bacteria, fungi and algae)

Initial Slug Dose: Add 200-750 ppm of TOLCIDE PS355A based on total water volume. Repeat until control is obtained. Thereafter, add either **Intermittently 75-300 ppm** of TOLCIDE PS355A or **Continuously 40-140 ppm** of TOLCIDE PS355A per day.

Dirty systems must be cleaned prior to treatment.

Air Washer Systems

For control of bacteria and fungi. Preclean the system with detergent and allow air washer to run with fan on for two hours. Flush and check nozzles, manually cleaning as necessary. Add 75-200 ppm of TOLCIDE PS355A at a point where uniform mixing and even distribution will occur. Repeat as needed to maintain control.

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Oil Field Operations

TOLCIDE PS355A is effective in controlling sulfate reducing bacteria, general aerobic bacteria, including microorganisms that contribute to biofilm formation in oil field recovery, processing and distribution applications and supporting systems; such as injection water, water holding tanks, disposal well water, recirculating water handling systems, and pipelines. TOLCIDE PS355A is also effective for use in controlling microbial growth in fluids used for drilling and stimulation of oil wells.

Water Floods

TOLCIDE PS355A should be added to a water flood system at a point where uniform mixing will occur.

Initial Treatment: For a noticeably fouled system, add 200-750 ppm TOLCIDE PS355A. When added to a flowing system, slug dose for 2-6 hours based on flow rates. Repeat as necessary until control is achieved.

Subsequent Treatment: Once control has been achieved, add 30-210 ppm TOLCIDE PS355A weekly or as needed to maintain control. When added to a flowing system, slug dose for 2-6 hours based on flow rates.

Continuous Treatment: TOLCIDE PS355A can be dosed continuously at a level of 30-143 ppm.

Oil and Gas Pipelines

TOLCIDE PS355A should be added at a point in the pipeline where uniform mixing will occur.

Slug Dosing: Follow instructions for water flood treatment.

Continuous Dosing: TOLCIDE PS355A can be dosed continuously at a level of 30-215 ppm.

Drilling Muds, Packer Fluids, Completion and Workover Fluids

TOLCIDE PS355A should be added to these fluids at a point where uniform mixing will occur. Add 70-3000 ppm TOLCIDE PS355A to a freshly prepared fluid depending on severity of contamination.

Solutions/Emulsions

Not for use in manufacture of paper and paperboard products and adhesives that may come in contact with food.

For the preservation of solutions, emulsions, adhesives and other aqueous liquid products, the addition of 0.05% to 0.5% of TOLCIDE PS355A is effective. Add 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 PS355A to be added for the preservation of given formulation will depend on the components as well as local storage time and requirements.

Note: Seller makes no warranty, expressed or implied, concerning the use of this product other than indicated on the label. Buyer assumes all risk and/or handling of this material, when such use and/or handling is contrary to label directions.

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