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4564-15

8/14/97

page 186

	<p>U.S. ENVIRONMENTAL PROTECTION AGENCY Office of Pesticide Programs Registration Division (H7505C) 401 "M" St., S.W. Washington, D.C. 20460</p> <p>NOTICE OF PESTICIDE: <u>  X  </u> Registration <u>     </u> Reregistration</p> <p>(under FIFRA, as amended)</p>	EPA Reg. Number:  4564-15	Date of Issuance:  AUG 14 1997
		Term of Issuance: Conditional	
		Name of Pesticide Product:  Tolcide PS200	
Name and Address of Registrant (include ZIP Code):  Albright & Wilson Americas, Inc. P.O. Box 4439 Glen Allen, Virginia 23058-4439			
<p>Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.</p>			
<p>On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.</p> <p>Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.</p> <p>This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:</p> <ol style="list-style-type: none"><li>1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.</li><li>2. Make the following label changes:<ol style="list-style-type: none"><li>a. Revise the EPA Registration Number to read, "EPA Reg. No. "4564-15".</li></ol></li></ol>			
Signature of Approving Official: Marshall Swindell Acting Product Manager (33) Regulatory Management Branch 1 Antimicrobial Division (7510W)		Date:  AUG 14 1997	

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- b. Add the following statements to the "Hazards to Humans and Domestic animals" section of the Precautionary Statements:

"Harmful or fatal if Swallowed. Avoid contamination of food."

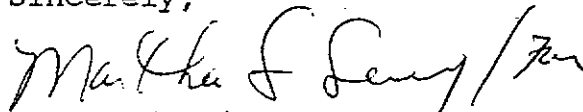
3. Submit two copies of the revised final printed label for the record.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

If you have any questions concerning this letter, please contact Martha L. Terry at (703) 308-6217.

Sincerely,



Marshall Swindell  
Acting Product Manager (33)  
Regulatory Management Branch 1  
Antimicrobial Division (7510W)

Enclosure

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# ALBRIGHT & WILSON

## TOLCIDE® PS200

### INDUSTRIAL ANTIMICROBIAL

Active Ingredient:

Tetrakis(hydroxymethyl) phosphonium sulfate .....	20%
Inert Ingredients: .....	80%
Total: .....	100%

EPA Reg. No. 4564-

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.

##### 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.

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

ACCEPTED  
with COMMENTS  
in EPA Letter dated

Manufactured by:

**ALBRIGHT & WILSON AMERICAS, INC.**

**PO Box 4439**

**Glen Allen, Virginia 23058-4439**

**Net Contents: As Marked on Container**

AUG 14 1997  
Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.

4564-15

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**ALBRIGHT & WILSON**  
**TOLCIDE® PS200**  
**INDUSTRIAL ANTIMICROBIAL**

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

AUG 14 1997

Under  
Fungicide, and Antimicrobial Act  
as amended, for the pesticide  
registered under EPA Reg. No.  
4569-15

**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 122.5-1750 ppm of TOLCIDE PS200 based on total water volume or an equivalent based on dry weight of paper produced.

**Continuous Dosing:** Add 70-245 ppm of TOLCIDE PS200 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 PS200 based on total water volume. Repeat until control is obtained. Thereafter, add either **Intermittently 75-300 ppm** of TOLCIDE PS200 or **Continuously 40-140 ppm** of TOLCIDE PS200 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 PS200 at a point where uniform mixing and even distribution will occur. Repeat as needed to maintain control.

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# ALBRIGHT & WILSON

## TOLCIDE® PS200

### INDUSTRIAL ANTIMICROBIAL

#### Oil Field Operations

TOLCIDE PS200 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 PS200 is also effective for use in controlling microbial growth in fluids used for drilling and stimulation of oil wells.

#### Water Floods

TOLCIDE PS200 should be added to a water flood system at a point where uniform mixing will occur.

**Initial Treatment:** For a noticeably fouled system, add 350-1312.5 ppm TOLCIDE PS200. 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 52.5-367.5 ppm TOLCIDE PS200 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 PS200 can be dosed continuously at a level of 52.5-250 ppm.

#### Oil and Gas Pipelines

TOLCIDE PS200 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 PS200 can be dosed continuously at a level of 52.5-376 ppm.

#### Drilling Muds, Packer Fluids, Completion and Workover Fluids

TOLCIDE PS200 should be added to these fluids at a point where uniform mixing will occur. Add 122.5-5250 ppm TOLCIDE PS200 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 0.0875% to 0.875% of TOLCIDE PS200 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 PS200 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.

ACCEPTED  
with COMMENTS  
in EPA Letter Dated

34D-0597-1

AUG 14 1997

Under  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.

4564-KS

6 8 6

Sheet1

## Tolcide PS200 dose conversions

	Initial dose		Maintenance dosing		Continuous dosing	
	ppm	oz/1000 gals	ppm	oz/1000 gals	ppm	oz/1000 gals
Paper Manufacture	N/A					
Cooling Water	200-750	23.5-88.1	75-300	8.8-35.2	40-140	4.7-16.4
Air Washers			75-200	8.8-23.5		
Oil Field						
Waterfloods	350-1312.5	41.1-154.1	52.5-367.5	6.2-43.2	52.5-250	6.2-29.4
Pipelines					52.5-376	6.2-44.2
Drilling muds			122.5-5250	14.4-616.5		
Preservation			875-8750	102.8-1027.6		