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70060-6

9-23-98 1046



U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Antimicrobials Division (7510W)
411 M St., S.W.
Washington, D.C. 20460

EPA Reg. Number:

70060-6

Date of Issuance:

SEP 23 1998

NOTICE OF PESTICIDE:

- Registration
- Reregistration

(under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product:

Aseptrol WTS-7.05

Name and Address of Registrant (include ZIP Code):

Engelhard Company
101 Wood Avenue
Iselin, NJ 08830-0770

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.

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.

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.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:

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.
2. Make the following label changes:
 - a. Revise the EPA Registration Number to read, "EPA Reg. No. 70060-6".

- see page 2

Signature of Approving Official:

Date:

SEP 23 1998

SEP 23 1999

JWH

- b. Revise the Precautionary Statement under "Hazards to Human and Domestic Animals" to read: **CAUTION:** Cause moderate eye irritation. Harmful if inhaled. Harmful if absorbed through the skin. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling.
 - c. Clarify on the label by what method the **chlorine dioxide** is generated.
 - d. Under the "Fruit and Vegetable Process Water Rinse" headings' solution preparation paragraphs change "...for each 50 gallons of rinse water to be used (2 ppm ClO₂)."
To read "...for each 50 gallons of rinse water to be used (5 ppm ClO₂)."
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.

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**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND
DOMESTIC ANIMALS**

CAUTION: Causes moderate eye irritation. Harmful if inhaled. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling.

**STATEMENT OF PRACTICAL
TREATMENT**

If Swallowed: Drink promptly a large quantity of water. Do not induce vomiting. Avoid alcohol. Get medical attention.
If in Eyes: Flush with plenty of water for 15 minutes. Get medical attention.
If on Skin: Wash with plenty of soap and water. Get medical attention if irritation persists.

[If sachet is 50 lbs. or greater, use the following language:

ENVIRONMENTAL HAZARDS

This product is toxic to fish and aquatic organisms. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or public waters unless this product is specifically identified and addressed in an NPDES permit. Do not discharge effluent containing this product to sewer systems without previously notifying the sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.]

**CHEMICAL AND PHYSICAL
HAZARDS**

Strong oxidizing agent. Keep away from flames and heat. Do not mix with acids or chlorine.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. Store in a cool, dry, well-ventilated area. Do not store at elevated temperatures. Discard used sachet in trash.

ASEPTROL WTS-7.05

ANTIMICROBIAL

**FOR USE IN THE CONTROL OF BACTERIAL,
SLIME AND FUNGI IN WATER SYSTEMS;
ODOR-CAUSING BACTERIA, ALGAE AND
PLANT PATHOGENS ON HARD SURFACES AND
AS A WATER DISINFECTANT**

Active Ingredient:
Sodium Chlorite..... 5.0%
Inert Ingredients95.0%
Total.....100.0%

KEEP OUT OF REACH OF CHILDREN

CAUTION

**SEE SIDE PANELS FOR ADDITIONAL
PRECAUTIONARY STATEMENTS**

E.P.A. REG. NO. 70060-
E.P.A. EST. NO. 9150-RI-01

**ACCEPTED
with COMMENTS
in EPA Letter Dated:**

SEP 23 1998

NET CONTENTS:

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

70060-6

International Dioxide Inc.
A Subsidiary of Engelhard Company
North Kingstown, RI 02852

DIRECTIONS FOR USE

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

**Greenhouses (Work Areas,
Benches, Pots and Flats, Cutting Tools)**

Aseptrol WTS-7.05 has been designed specifically for greenhouse use where cross contamination may occur between plants. Prepare a use-solution by adding one (1) Aseptrol WTS-7.05 25-gram sachet per gallon of water (100 ppm ClO₂). Allow the sachet to remain in the water for 4 hours and then discard. The use solution will help control plant diseases such as Botrytis, Petal Blight and Erwinia.

Work Areas and Benches: Spray or swab surfaces before each work period.

Pots and Flats: Used pots and flats should be brushed and washed, then soaked in the use-solution.

Cutting Tools: Soak cutting edge of tool for 10 minutes in the use-solution before use.

Greenhouse Glass

For controlling algae on greenhouse glass, prepare a use-solution by adding one (1) Aseptrol WTS-7.05 25-gram sachet to 3 gallons of water (33 ppm ClO₂). Allow the sachet to remain in the water for 4 hours and then discard. Spray or swab surfaces with the use-solution. Wash off dead algae with water and re-spray clean surfaces with the use-solution.

Walkways

To inhibit algae growth on walkways, prepare a use-solution by adding one (1) Aseptrol WTS-7.05 25-gram sachet per gallon of water (100 ppm ClO₂). Allow the sachet to remain in the water for 4 hours and then discard. For heavy infestation, spray or swab surfaces with the use-solution and let stand for at least one (1) hour. Brush and wash away dead algae and re-soak area again with the use-solution. Allow to dry - do not rinse. Repeat application when algae growth returns.

Evaporative Coolers

Aseptrol WTS-7.05 controls algae and slime-forming fungi on evaporative coolers. Prepare a use-solution by adding one (1) Aseptrol WTS-7.05 25-gram sachet to 1 gallon of water (100 ppm ClO₂). Allow the sachet to remain in the water for 4 hours and then discard. Apply one (1) gallon of the use-solution for every 15 gallons of water in the system.

NOTICE: Seller expressly warrants that the product conforms to its chemical description. There are no warranties associated with the sale of this product either expressed or implied, including but not limited to the warranties of fitness for a particular purpose or use

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Waterbath Incubators

Use Aseptrol WTS-7.05 to control odor and bacterial slime in waterbath incubators.

Prior to use, thoroughly clean and disinfect the reservoir. Then fill the waterbath with clean, potable water to near capacity. For every 10 gallons of water, add one (1) Aseptrol WTS-7.05 25-gram sachet into a clean glass or plastic container and mix (10 ppm ClO₂). Allow the sachet to remain in the container for 4 hours then remove the used sachet and discard in trash.

Steam Autoclaves

Use Aseptrol WTS-7.05 to control odors resulting from the sterilization of spent biologicals in steam autoclaves.

Prepare a use-solution by placing one (1) Aseptrol WTS-7.05 25-gram sachet per gallon of working solution into a clean glass or plastic container and mix (100 ppm ClO₂). Allow the sachet to remain in the container for 4 hours then remove the used sachet and discard in trash. The use-solution should be sprayed or poured directly into the stainless steel autoclave buckets.

Animal Holding Rooms, Sick Rooms, Morgues and Work-Rooms

Use Aseptrol WTS-7.05 to control odor-causing bacteria in animal holding rooms, sick rooms, morgues and work-rooms. Areas to be deodorized should be in a clean condition prior to application.

Prepare a use-solution by adding one (1) Aseptrol WTS-7.05 25-gram sachet per gallon of working solution into a clean glass or plastic container (100 ppm ClO₂). Allow the sachet to remain in the container for 4 hours; then remove the used sachet and discard in trash. Apply by spraying the use-solution, using a suitable spraying device, on walls, ceilings, and floors, lightly dampening all surfaces.

Animal Rearing and Confinement Facilities

Use Aseptrol WTS-7.05 to control the build-up of odor and slime-forming bacteria in animal confinement areas.

Prior to use, remove all litter and manure from floors, walls, and surfaces of barns, pens, stalls, chutes, cases and other facilities and fixtures occupied or traversed by animals. Then thoroughly clean all surfaces with soap and detergent and rinse with clean water.

Prepare a use-solution by adding one (1) Aseptrol WTS-7.05 25-gram sachet per two gallons of working solution into a clean plastic pail (50 ppm ClO₂). Allow the sachet to remain in the pail for 4 hours then remove the used sachet and discard in trash. Apply using a commercial sprayer. Make sure that all surfaces are saturated.

Litter Boxes, Carpets and Concrete Floors

Use Aseptrol WTS-7.05 to control animal odors in litter boxes and on carpets and concrete floors.

For litter boxes: Wash out litter boxes with a suitable detergent and rinse with clean, potable water. Then soak overnight in a solution of one (1) Aseptrol WTS-7.05 25-gram sachet per 2 gallons of water (50 ppm ClO₂). Remove the used sachet and discard in trash.

For carpets: Add one Aseptrol WTS-7.05 25-gram sachet to either 10 gallons of rug shampoo mix or 100 gallons of rinse water (10 ppm ClO₂). Allow the sachet to remain for 4 hours; then remove the used sachet and discard in trash. Shampoo carpet and then allow to air dry. Note: ClO₂ may bleach some carpets and fabrics especially if applied on top of another chemical agent. Do not apply until a sample test has been tried and observed for at least 24 hours.

For concrete floors: Clean floor thoroughly using a suitable detergent then rinse with clean water. Prepare a use-solution, by placing one (1) Aseptrol WTS-7.05 25-gram sachet in one gallon of water (100 ppm ClO₂). Allow the sachet to remain in the water for 4 hours; then remove used sachet and discard in trash. Mop or spray solution liberally onto floor.

For treating animal odors with high-levels of ammonia: Wash area thoroughly with a suitable detergent and rinse with clean water. Prepare a use-solution by placing one (1) Aseptrol WTS-7.05 25-gram sachet in one gallon of water (100 ppm ClO₂). Allow the sachet to remain in the water for 4 hours; then remove the used sachet and discard in trash. Mop or spray solution liberally onto area. Allow to air dry. Additional applications may be necessary.

Fruit and Vegetable Process Water Rinse

Use Aseptrol WTS-7.05 to control odor build-up and bacterial slime and reduce microbial growth in process waters used for rinsing fruits and vegetables.

Prior to use, and when possible, all tanks, flumes and lines should be thoroughly cleaned with a suitable detergent and completely rinsed.

Prepare a use-solution by adding one (1) Aseptrol WTS-7.05 25-gram sachet, in a clean plastic container, for each 50 gallons of rinse water to be used (2 ppm ClO₂). Allow the sachet to remain in the water for 4 hours then remove the used sachet and discard in trash. Chill tanks or vegetable rinse tanks may be batch loaded at start up with the ClO₂ use-solution. A potable water rinse is required if the ClO₂ residual exceeds 1 ppm.

ACCEPTED
with COMMENTS
in EPA Letter Dated:
SEP 23 1998

Secondary Oil Recovery Operations

Use Aseptrol WTS-7.05 to prevent corrosion and control bacterial slime in oil wells during secondary recovery operations.

Add thirty (30) Aseptrol WTS-7.05 250-gram sachets per 100 gallons of working solution. Allow the sachets to remain in the solution for 12 hours then remove the used sachets and discard in trash. Proportion 1 part of this solution for each 100 parts of re-injected water (3 ppm ClO_2). Monitor microbial content of the water and increase or decrease the addition rate of the working solution as necessary.

Papermill Slimicide

Use Aseptrol WTS-7.05 to control bacterial and fungal slime and tar and pitch spots in papermill white water systems.

Add 240 Aseptrol WTS-7.05 250-gram sachets per 100 tons of paper produced. Allow the sachets to remain for 12 hours; then remove the used sachets and discard in trash.

Once-Through Cooling Systems

Use Aseptrol WTS-7.05 to control mollusks, such as zebra mussels, in once-through cooling systems.

Add 200 Aseptrol WTS-7.05 250-gram sachets per 100 gallons of water, mildly stir for 12 hours then remove the used sachets and discard in trash. This produces a working solution of 2000 ppm ClO_2 .

For slug use, add between 2.5 and 12.5 gallons of the above working-solution per 1000 gallons of water (5 to 25 ppm ClO_2).

For continuous use, add between 0.125 and 1 gallon of the above working solution per 1000 gallons of water (0.25 to 2 ppm ClO_2).

Cooling and Warming Waters in Food Processing Plants

Use Aseptrol WTS-7.05 to control odor and reduce bacterial slime and microbial growth in cooling and warming waters such as canning, retort and pasteurizer process waters.

Before application, and when possible, clean all tanks, tunnels, conveyor chains, heat exchange towers, lines, spray bars and nozzles using clean, potable water. Completely rinse all surfaces.

Prepare a use-solution by adding a four (4) Aseptrol WTS-7.05 25-gram sachets to each 1000 gallons of system water to be treated (0.4 ppm ClO_2). Allow the sachets to remain in the water for 4 hours then remove the used sachets and discard in trash.

Poultry Houses

Use Aseptrol WTS-7.05 to improve taste, control odor and reduce microbial growth in poultry water supply systems.

If the water system is badly fouled with biofilm, add one (1) Aseptrol WTS-7.05 250-gram sachet per 1,000 gallons of poultry drinking water (1 ppm ClO_2). Allow the sachet to remain in the water for 12 hours then remove the used sachet and discard in trash. After 24 hours, the addition rate can be reduced to 0.5 ppm ClO_2 , by adding one Aseptrol WTS-7.05 125-gram sachet per 1000 gallons of poultry drinking water (allow the sachet to remain in the water for 12 hours, then remove the used sachet and discard in trash).

If the microbiological content of the water is eliminated by this rate of addition, the concentration of ClO_2 can be reduced to 0.2 ppm (one Aseptrol WTS-7.05 250-gram sachet per 5,000 gallons of water; allow the sachet to remain in the water for 12 hours then remove the used sachet and discard in trash). If the microbiological content of the water is not adequate at 1 ppm ClO_2 , then add 1.5 ppm free ClO_2 to the poultry drinking water (3 Aseptrol WTS-7.05 125-gram sachets per 1,000 gallons of water; allow the sachets to remain in the water for 12 hours then remove and discard in trash).

Stainless Steel Transfer Lines, Hydrocoolers and Pasteurizers

Use Aseptrol WTS-7.05 to control the build-up of odor and bacterial slime in stainless steel transfer lines, hydrocoolers, pasteurizers and on-line equipment.

Prior to use, clean equipment or line thoroughly using a suitable detergent followed by a clean, potable water rinse.

Prepare a use-solution by adding one (1) Aseptrol WTS-7.05 25-gram sachet to potable make-up water for each 25 gallons of volume in lines and/or equipment (4 ppm ClO_2). Allow the sachet to remain in the water for 4 hours; then remove the used sachet and discard in trash. Mix and fill lines and equipment overnight and then drain and allow to air dry just prior to starting the next run.

ACCEPTED
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in EPA Letter Dated:
SEP 23 1988

Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide,
registered with EPA Reg. No. 70060-6

Woff

Municipal Well Waters

Use Aseptrol WTS-7.05 to assist in the removal of odors and tastes from municipal well waters. Add one (1) Aseptrol WTS-7.05 250-gram sachet per 1,000 gallons of water (1 ppm ClO₂). Allow the sachet to remain in the water for 12 hours then remove the used sachet and discard in trash. Confirm pump or injector accuracy by using an IDI test kit and adjust accordingly.

Stored Potable Water

Use Aseptrol WTS 7.05 to control build-up of bacterial slime and odor-causing bacteria and to enhance the taste of stored potable water.

Prior to treatment of potable water, thoroughly clean and disinfect the water storage system to ensure a sanitary condition. Then thoroughly rinse with clean, potable water. Potable water should be treated at a rate of one (1) Aseptrol WTS-7.05 25-gram sachet per 75 gallons of potable water (1.9 ppm ClO₂). Allow the sachet to remain in the water for 4 hours then remove the used sachet and discard in trash. Note that water storage tanks should be sufficiently sealed to prevent outside contamination and direct sunlight. Using an IDI test kit, confirm that the residual ClO₂ is 1.9 ppm and monitor to ensure that the level does not all below 1 ppm.

Water Based Cutting Oils

Use Aseptrol WTS-7.05 to control bacterial slime, odor-causing bacteria and to reduce microbial growth in water-based cutting oils.

For batch treatment, add two (2) Aseptrol WTS-7.05 250-gram sachets per 1,000 gallons (2 ppm ClO₂) to a fresh system. Allow the sachet to remain in the cutting oil for 12 hours; then remove the used sachet and discard in trash. Repeat weekly or on first indication of increased bacterial slime contamination (odor, slime or bacterial count).

For continuous treatment, add one (1) Aseptrol WTS-7.05 250-gram sachet per 1,000 gallons (1 ppm ClO₂) per day used in the system. Allow the sachet to remain in the cutting oil for 12 hours; then remove the used sachet and discard in trash.

For badly contamination systems, slug-dose system with twenty (20) Aseptrol WTS-7.05 250-gram sachets per 1,000 gallons of cutting oil (20 ppm ClO₂). Allow the sachet to remain in the cutting oil for 12 hours; then remove the used sachet and discard in trash. After 12 hours, start with the continuous procedure described above.

Commercial Water Filtration Systems, Sand Beds, Charcoal Filters and Cooling Water Systems

Use Aseptrol WTS-7.05 to inhibit the growth of bacterial slime in commercial water filtration systems, sand beds, charcoal filters, and cooling water systems.

Filters: Carefully back-flush filters with potable water where possible to remove any accumulated solid residue and contamination and then fill system with potable water. Add three (3) Aseptrol WTS-7.05 250-gram sachets (50 ppm ClO₂) per 100 gallons of filter system volume to the access hatch and circulate the system for 12 hours, then remove the used sachet and discard in trash. Bring the ClO₂ concentration back to 50 ppm if it falls below 30 ppm. Circulate the solution for one (1) additional hour, discharge and then water wash the filter for 30 minutes with potable water to remove ClO₂.

Cooling Water Systems: Add one (1) Aseptrol WTS-7.05 250-gram sachet (1 ppm ClO₂) per 1,000 gallons of cooling water every week. Allow the sachet to remain in the water for 12 hours; then remove the used sachet and discard in trash. Depending on the degree and type of contamination, addition frequency may be reduced to every 2 -3 weeks when contamination is under control.

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