

70060-6

6-5-2002

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

June 5, 2002

Ana Rodriguez-Koster
Agent for Engelhard Corp.
Engelhard Corporation
101 Wood Ave.
Iselin, NJ 08830

Subject: Aseptrol WTS-7.05
EPA Registration No. 70060-6
Notification per PR Notice 98-10

Dear Ms. Rodriguez-Koster:

This will acknowledge receipt of your notification, to add the phrase "Sodium Chlorite in this product is from Spain" to comply with the requirements of the US Customs, and the graphic symbol for the Aseptrol logo, submitted under provisions of FIFRA section 3(c) 9. Based on review of the submitted material the following comments apply.

The label changes are acceptable and have been made a part of the file for this product.

Sincerely,

Wanda Mitchell
Product Reviewer- Team 32
Regulatory Management Branch II
Antimicrobials Division (7510C)

CONCURRENCES							
SYMBOL	7510C						
SURNAME	Mitchell						
DATE	06-5-02						

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 EPA United States Environmental Protection Agency Washington, DC 20460	<input type="checkbox"/> Registration <input type="checkbox"/> Amendment <input checked="" type="checkbox"/> Other: NOTIFICATION	OPP Identifier Number 265394
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Application for Pesticide - Section I

1. Company/Product Number 70060-6	2. EPA Product Manager Robert Brennis	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Aseptrol WTS-7.05	PM# Team 32	
5. Name and Address of Applicant (Include ZIP Code) Engelhard Corporation 101 Wood Ave. Iselin, NJ 08830 <u>PLEASE SEND ALL CORRESPONDENCE TO</u> <u>"CONTACT POINT" LISTED BELOW</u> <input type="checkbox"/> Check if this is a new address		6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(I), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below

Explanation: Use additional page(s) if necessary. (For Section I and Section II.)

ADDITION OF THE OPTIONAL TEXT "SODIUM CHLORITE IN THIS PRODUCT IS FROM SPAIN" AND ASEPTROL LOGO WITH TEXT

Notification of ADDITION OF OPTIONAL TEXT AND LOGO WITH TEXT in Accordance With PR Notice 98-10

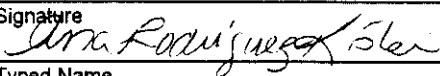
This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

Signature: Ana Rodriguez Koster Date: 5/17/2002

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes* <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify)	
*Certification must be submitted		If "Yes" No. per Unit Packaging wgt. container	If "Yes" No. per Package wgt. container		
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/> On Label <input type="checkbox"/> On labeling accompanying product	
6. Manner in Which Label is Affixed to Product				<input type="checkbox"/> Lithograph <input type="checkbox"/> Other _____ <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled	

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application)		
Name Ana Rodriguez-Koster, Lewis & Harrison, 122 C St. NW, #740, Washington DC 20001	Title Agent for Engelhard Corp.	Telephone No. (Include Area Code) (202) 393-3903 x.17
I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received (Stamped)
2. Signature 	3. Title Agent for Engelhard Corp.	
4. Typed Name Ana Rodriguez-Koster	5. Date 5/17/2002	

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

CAUTION: Causes 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.

**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

**SPS Technology for Generating Chlorine Dioxide
Solutions**

**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 Ingredients.....	95.0%
Total.....	100.0%

KEEP OUT OF REACH OF CHILDREN

CAUTION

**SEE SIDE PANELS FOR ADDITIONAL
PRECAUTIONARY STATEMENTS**

EPA Reg. No. 70060-6
EPA Est. No. 9150-RI-01

NET CONTENTS: _____

Manufactured By:
International Dioxide, Inc.
A Subsidiary of Engelhard Corporation
North Kingstown, RI 02852



[Aseptrol® is a [Registered] Trademark of the Engelhard Corporation]
[Sodium Chlorite in this Product is from Spain]

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 tools 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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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 ClO₂). Monitor microbial content of the water and increase or decrease the addition rate of the working solution as necessary.

Papermill Slicicide

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 sachet and discard in trash. This produces a working solution of 2000 ppm ClO₂.

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 ClO₂).

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 ClO₂).

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 ClO₂). 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 ClO₂). 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 ClO₂, by adding one (1) 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 ClO₂ 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 a discard in trash). If the microbiological content of the water is not adequate at 1 ppm ClO₂, then add 1.5 ppm free ClO₂ 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 ClO₂). 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.

Waterbath Incubator

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 free ClO₂). Allow the sachet to remain in the container for 4 hours then remove the used sachet and discard in trash.

Steam Autoclaves

Use Aseptro 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, morgue 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 or 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 (5 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 batched loaded at start up with the ClO₂ use-solution. A potable water rinse is required if the ClO₂ residual exceeds 1 ppm.

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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 fall below 1 ppm.

Water Based Cutting Oils

Use Aseptrol WTS-7.05 to control bacterial slime, odor-causing bacteria and to reduce microbiological 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.