

70060-29

11/06/2012

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

November 6, 2012

Georgia Anastasiou  
Agent for BASF Corp.  
Lewis & Harrison, LLC  
122 C Street NW Ste. 505  
Washington DC 20001

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

Subject: Aseptrol S10-Tab GH  
EPA Reg.#: 70060-29  
Notification Date: October 19, 2012  
Receipt Date: October 25, 2012

Dear Ms. Anastasiou:

This acknowledges the receipt of your notification, submitted under the provision of PR Notice 98-10 and FIFRA section 3(c)9.

**Proposed Notification:**

Revise Storage and Disposal Statement in compliance with PR Notice 2007-4 for Aseptrol S10-Tab GH product (EPA Reg#70060-29). Initial submitted label dated 10/19/12 (pin punch 10/25/12) was revised and updated on 11/06/2012 (pin punch 11/06/12).

**General Comment:**

Based on the review of the material submitted, the following comments apply:

The submitted revised Storage and Disposal Statement is acceptable. This notification and a copy of this letter have been inserted in your file for future reference.

If you have any questions on this letter, please contact David Liem by email at [liem.david@epa.gov](mailto:liem.david@epa.gov) or call at 703-305-1284.

Sincerely

A handwritten signature in black ink, appearing to read "Monisha Harris".

Monisha Harris  
Product Manager (32)  
Regulatory Management Branch II  
Antimicrobials Division (7510P)

Please read instructions on reverse before completing this form.

Form Approved, OMB No. 2070-0060, Approval expires 05-31-98

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

1. Company/Product Number <b>70060-29</b>	2. EPA Product Manager <b>Monisha Harris</b> PM# <b>32</b>	3. Proposed Classification  <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) <b>Aseptrol S10-Tab GH</b>	5. Name and Address of Applicant (Include ZIP Code) <b>BASF Corporation</b> <b>100 Park Avenue</b> <b>Florham Park, NJ 07932</b> <b><u>PLEASE SEND ALL CORRESPONDENCE TO</u></b> <b><u>"CONTACT POINT" LISTED BELOW</u></b> <input type="checkbox"/> Check if this is a new address	
6. <b>Expedited Review.</b> 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 _____		

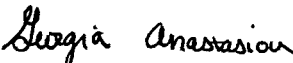
**Section - II**

<input type="checkbox"/> Amendment - Explain below. <input type="checkbox"/> Resubmission in response to Agency letter dated _____ <input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____ <input type="checkbox"/> "Me Too" Application <input type="checkbox"/> Other - Explain below
<p><b>Explanation:</b> Use additional page(s) if necessary. (For Section I and Section II.)</p> <p style="text-align: center;">Notification to update storage and disposal.</p> <p>Notification of label change per PR Notice 2007-4. This notification is consistent with the guidance in PR Notice 2007-4 and the requirements of EPA's regulations at 40 CFR §§ 156.10, 156.140, 156.144, 156.146, and 156.156. No other changes have been made to the labeling or the Confidential Statement of Formula for this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statements to EPA. I further understand that if the amended label is not consistent with the requirements of 40 CFR §§156.10, 156.140, 156.144, 156.146 and 156.156, 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.</p>	

**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 If "Yes" Unit Packaging wgt.    No. per container	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No If "Yes" Package wgt.    No. per container	<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		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: <b>Georgia Anastasiou, Lewis &amp; Harrison, LLC,</b> <b>122 C Street NW, Ste. 505, Washington, DC 20001</b>	Title: <b>Agent</b>	Telephone No. (Include Area Code): <b>202-393-3903 x19</b>
<b>Certification</b>		
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.		
2. Signature 	3. Title <b>Agent for BASF Corporation</b>	S. Data Application Received (Stamped)
4. Typed Name <b>Georgia Anastasiou</b>	5. Date <b>October 19, 2012</b>	



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FIRST AID

**If in eyes:**

- Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
- Call a poison control center or doctor for treatment advice.

**If swallowed:**

- Call a poison control center or doctor immediately for treatment advice.
- Have person sip a glass of water if able to swallow.
- Do not induce vomiting unless told to do so by a poison control center or doctor.
- Do not give anything by mouth to an unconscious person.

**If on skin or clothing:**

- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15-20 minutes.
- Call a poison control center or doctor for treatment advice.

Have the product container or label with you when calling poison control center or doctor, or going for treatment.

NOTE TO PHYSICIAN

Probable mucosal damage may contraindicate the use of gastric lavage.

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

**DANGER.** Corrosive. Causes irreversible eye damage and skin burns. May be fatal if absorbed through skin. Harmful if swallowed. Do not get in eyes, on skin or on clothing. Wear protective eyewear (goggles, face shield, or safety glasses), protective clothing and rubber gloves. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove contaminated clothing and wash clothing before reuse.

ENVIRONMENTAL HAZARDS

This product is toxic to fish and aquatic organisms.

(If container size is greater than 50 lbs add the following statement:)

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.

# Aseptrol S10-Tab GH

## Disinfectant/ Sanitizer/Algaecide/ Bactericide/Fungicide

For Use in Commercial Ornamental Greenhouses, Nurseries, Shade Houses, Garden Centers and Florists.

**Active Ingredients**

Sodium Chlorite.....	20.8%
Sodium Dichloroisocyanurate dihydrate.....	7.0%
<b>Other Ingredients</b> .....	72.2%
<b>Total</b> .....	100.0%

KEEP OUT OF REACH OF CHILDREN

### DANGER

See side panel for first aid and precautionary statements.

EPA Reg. No. 70060-29

EPA Est. No. \_\_\_\_\_

Net Weight:

(Expiration Date:)

Manufactured by:  
BASF Corporation  
100 Park Avenue  
Florham Park, NJ 07932

Patent: 6,699,404

[contains]



[Aseptrol and the Aseptrol logo are trademarks of BASF]

NOTIFICATION  
Date Reviewed: 11-6-12  
Reviewed By: DLiem

[Sodium Chlorite in this product is from S.]  
**Aseptrol S10-Tab GH** is a unique formulation of sodium chlorite that rapidly produces the biocidal agent chlorine dioxide when mixed with water.

**Aseptrol S10-Tab GH** treats, controls, and inhibits:

- Algae, slimes and microbes
- Bacterial and fungal plant pathogens that exist in growing areas or those commonly spread by water in production and irrigation systems such as Phythium, Phytophthora, Fusarium, Thielaviopsis, Erwinia, and Ralstonia.
- Viral plant pathogens.

**Aseptrol S10-Tab GH** disinfects, controls, and inhibits algae, slimes, microbes, bacterial and fungal pathogens on or in:

- Hard nonporous surfaces and equipment
- Irrigation systems – recirculating and nonrecirculating
- Evaporative cooling systems.

Can be used in all ornamental greenhouses, nurseries, shade houses, garden centers, and florists to disinfect, sanitize, treat and inhibit algae, microbes, bacterial, fungal, and viral plant pathogens on or in:

- Hard nonporous surfaces in all production, growing and holding areas such as: equipment, benches, containers, tools, irrigation lines and equipment, evaporative cooling systems, tanks, transfer lines and transport containers and equipment.
- Irrigation systems both recirculating and nonrecirculating.

**DIRECTIONS FOR USE**

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

**HARD NONPOROUS SURFACES**

Use **Aseptrol S10-Tab GH** to disinfect pre-cleaned hard nonporous surfaces and tools.

Prepare use-solution in a well ventilated area. In a clean plastic container or pail, place two (2) 6 gram **Aseptrol S10-Tab GH-Tab** or eight (8) 1.5 gram **Aseptrol S10-Tab GH-Tab** for every gallon (4 liters) of clean potable water. Wait 10 minutes for the 1.5 gram tab and 15 minutes for the 6 gram tab to completely dissolve. Once dissolved, this will yield a working solution containing 200 ppm of free chlorine dioxide. Prepare fresh solutions daily.

Application using a coarse spray nozzle is recommended. Spray the 200 ppm chlorine dioxide solution 8-12 inches from the surface to be disinfected. Saturate surfaces for a period of 10 minutes. Allow to air dry.

**GENERAL STOCK TANK MIXING AND DELIVERY DIRECTIONS**

Always use the entire contents of each **Aseptrol S10-Tab GH** package. Do not attempt to use or store partial packages. Round up to the nearest package size since

packages cannot be re-cycled. Depending on tank volume and desired concentration, more than one package may be required.

Always use caution when opening the stock tank to avoid overexposure to the chloride dioxide gas present in the headspace of the stock tank. Safety glasses, gloves, and appropriate breathing apparatus are recommended for handlers of stock solution and tablets.

To prevent chlorine dioxide gas in headspace of the stock tank from reaching concentrations of 10 percent, do not exceed stock concentrations of 3000 ppm in the liquid.

Standard injection or dosing equipment can be used to deliver chlorine dioxide into irrigation system. In the absence of a holding tank or pool, a blending tank located after injection is recommended to ensure thorough mixing and contact with target organisms.

Use the following table to determine the appropriate amount of **Aseptrol S10-Tab GH** to add to stock tank.

Stock Tank Concentration Desired	Stock volume		
	1 gallon	5 gallons	100 gallons
2000 ppm	94 grams	472 grams	9438 grams
200 ppm	9.4 grams	47 grams	940 grams
20 ppm	0.94 grams	4.7 grams	94 grams

Organic load also affects chloride dioxide levels. Filtration to 100 microns or less may be beneficial to reduce organic load in irrigation systems prior to injection of chlorine dioxide.

Injection setting also influences input rates. The following table shows how the injector setting will affect the concentration of chloride dioxide in the final output.

Stock Tank Concentration Desired	Injector Setting		
	1:100	1:200	1:1000
2000 ppm	20 ppm	10 ppm	2 ppm
200 ppm	2 ppm	1 ppm	0.2 ppm
20 ppm	0.2 ppm	0.1 ppm	0.02 ppm

Stock solution should be kept in a sealed tank suitable for oxidizers. To retain stock concentration for longer periods of time, it is recommended to reduce surface to air contact of stock solution within the stock tank by floating a barrier on the stock solution surface or utilizing a collapsible stock tank. Frequent or in line monitoring of stock and delivery (hose end output) concentrations are recommended to ensure desired concentrations are achieved.

This product has been tested on a wide range of plants and, in our opinion, has demonstrated excellent plant safety. However, not all plants or varieties have been tested. Therefore, before treating a large number of plants, spray a few plants and observe for plant damage prior to full scale application.

**EQUIPMENT IRRIGATION SYSTEMS, AND EVAPORATIVE COOLING SYSTEMS**

Use **Aseptrol S10-Tab GH** to disinfect and inhibit growth on or in irrigation systems and evaporative cooling systems.

**Initial Shock Treatments** require 20 ppm for 12 hours or longer. Test water at hose end for residual chlorine dioxide. If chlorine dioxide reading is less than 0.01 ppm, repeat shock treatment until a residual concentration of chlorine dioxide is above 0.01 ppm. Avoid irrigating crops until system has been thoroughly rinsed and flushed with fresh water.

**Maintenance** of evaporative cooling systems requires 0.25 to 1.0 ppm continuous output in the tank. Use only on clean pads with clean or filtered water. Test and replenish chlorine dioxide concentration weekly or as needed.

**RECIRCULATING AND NONRECIRCULATING IRRIGATION SYSTEMS**

Initial and regular testing of water quality, chlorine dioxide concentration of stock solution, and chlorine dioxide output concentration (at hose end) is recommended to determine the necessity of filtration, proper input rates and calibration in order to achieve desired output. Input rates vary from 0.20 to 20 ppm depending on water source, organic load, and contact time. Higher rates may be required when contact times are shorter.

Continuous maintenance treatment in propagation misting systems may be done from 0.01 ppm to 0.25 ppm maximum hose end output.

Use the following table for determining output concentration and application frequencies.

Hose End Output Concentration (ppm)	Application(s) permitted per 24 hours
0.01	200
0.05	40
0.10	20
0.15	13
0.20	10
0.25	8

Continuous treatment in irrigation systems, both recirculating and nonrecirculating, may be done at 0.01 ppm to 0.5 ppm maximum hose end output.

**STORAGE AND DISPOSAL**

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

**PESTICIDE STORAGE:** Store this product in a cool, dry area away from direct sunlight and heat to avoid deterioration and in an area inaccessible to children.

**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 HANDLING AND DISPOSAL:** Non-refillable [container] [pouch] [blister pack] [packet]. Do not reuse or refill this [container] [pouch] [blister pack] [packet]. Offer for recycling, if available. If recycling is not available, dispose [empty pouch] [blister pack] [container] in sanitary landfill or by incineration. If burned, stay out of smoke.

**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.

