

74655-19

7/7/2009

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460



Office of Pesticide Programs

JUL -7 2009

FILE

Kathryn Ingram  
Regulatory Specialist  
Ashland Inc  
7910 Baymeadows Way  
Jacksonville FL 32256

Subject           Spectrum XD9400  
                      EPA Registration No 74655-19  
                      Application Date June 8, 2009  
                      Receipt Date June 16 2009, 2009

Dear Ms Ingram

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

**Proposed Notification**

- Update to Storage and Disposal Statement per PR Notice 2007-4

**General Comments**

Based on a review of the material submitted the following comments apply

The notification is acceptable and a copy has been inserted in your file for future reference

Should you have any questions or comments concerning this letter please contact me at (703) 308-6345

Sincerely,

Wanda Y Henson  
Product Reviewer (32)  
Regulatory Management Branch II  
Antimicrobials Division (7510P)

Please read instructions on reverse before completing form

Form Approved

OMB No 2070-0080

Print Form



United States Environmental Protection Agency Washington DC 20460

Registration  
 Amendment  
 Other

OPP Identifier Number

Application for Pesticide - Section I

1 Company/Product Number 74655 19	2 EPA Product Manager Emily Mitchell / #32	3 Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4 Company/Product (Name) Spectrum XD9400	PM# 32	
5 Name and Address of Applicant (Include ZIP Code) Hercules Incorporated Paper Technologies & Ventures 1313 North Market Street Wilmington DE 19894 <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

Amendment Explain below  
 Resubmission in response to Agency letter dated \_\_\_\_\_  
 Notification Explain below  
 Final printed labels in response to Agency letter dated \_\_\_\_\_  
 Me Too" Application  
 Other Explain below

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

Notification of a 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 See attached letter for additional statements

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	Metal Plastic Glass Paper Other (Specify) _____		
* Certification must be submitted		If "Yes" Unit Packaging wgt	No per container	If "Yes" Package wgt	No per 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"/> Paper glued <input type="checkbox"/> Stenciled			<input type="checkbox"/> Other _____		

Section - IV

1 Contact Point (Complete items directly below for identification of individual to be contacted if necessary to process this application)		
Name Kathryn Ingram	Title Regulatory Specialist	Telephone No (Include Area Code) 904/256 0311
Certification 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 <i>Kathryn Ingram</i>	3 Title Regulatory Specialist	
4 Typed Name Kathryn Ingram	5 Date June 8 2009	

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3065



**Ashland Hercules Water Technologies**

Name Kathryn Ingram  
Title Regulatory Specialist

7910 Baymeadows Way Jacksonville FL 32256  
KRIngram@Ashland.com

June 8 2009

Document Processing Desk (NOTIF)  
Office of Pesticides Programs (7504P)  
Antimicrobials Division  
U S Environmental Protection Agency  
Room S 4900 One Potomac Yard  
2777 South Crystal Drive  
Arlington VA 22202-4501

Subject Spectrum XD9400 EPA Registration # 74655-19  
**Notification per PR Notice 2007-4**

Dear Ms Mitchell

This submission is to notify the EPA of a label change to the Storage & Disposal section of the Spectrum XD9400 label 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 statement 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.

Enclosed are the following

- Application form EPA Form 8570-1
- Revised product label with changes clearly marked

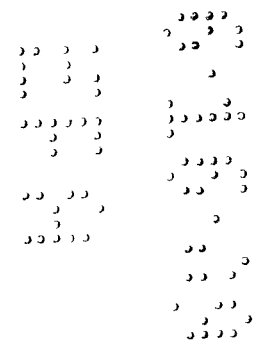
Please send all correspondence to the following address.

Ashland Inc  
7910 Baymeadows Way  
Jacksonville FL 32256  
Attn Kathryn Ingram

Please contact me at 904-256-0311 or via email at [KRIngram@Ashland.com](mailto:KRIngram@Ashland.com) with questions or comments regarding this submission. Thank you for your assistance.

Thank you

*Kathryn Ingram*  
Kathryn Ingram



# SPECTRUM<sup>®</sup> XD9400 microbicide agent

PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

## CAUTION

IRRITATION MAY DEVELOP FROM EYE AND SKIN EXPOSURE Avoid contact with eyes Wear gloves and safety goggles Wash contaminated clothing before reuse

### ENVIRONMENTAL HAZARDS

This product is toxic to fish and aquatic organisms Do not discharge into lakes streams ponds or public 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 sewage treatment plant authority For guidance contact your State Water Board or Regional Office of the EPA

### PHYSICAL AND CHEMICAL HAZARDS

Sodium bromide is not flammable However in fires fueled by other materials hydrogen bromide or bromine may be released In case of fire wear self contained breathing apparatus

### STORAGE AND DISPOSAL

**PESTICIDE STORAGE** Keep product dry in tightly closed original container when not in use Store in a cool dry well ventilated area Product should be stored at 50 F (10 C) or above  
**PESTICIDE DISPOSAL** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility **DO NOT REUSE EMPTY CONTAINER HANDLING**

Nonrefillable container Do not reuse or refill this container Triple rinse container (or equivalent) promptly after emptying Offer for reconditioning if appropriate Triple rinse as follows Empty the remaining contents into application equipment or a mix tank Fill the container 1/4 full with water Replace and tighten closures Tip container on its side and roll it back and forth ensuring at least one complete revolution for 30 seconds Stand the container on its end and tip it back and forth several times Turn the container over onto its other end and tip it back and forth several times Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal Repeat this procedure two more times



Hercules Incorporated  
Paper Technologies & Ventures  
1313 N Market Street  
Wilmington DE 19894  
302 594 5000 (24 hours)

MADE IN USA

### ACTIVE INGREDIENT

Sodium Bromide 40.0%  
INERT INGREDIENTS 60.0%  
TOTAL 100.0%

### CONTENTS LIQUID

POUNDS PER GALLON 11.9 (70 F)  
EPA REGISTRATION NUMBER 74655 19  
EPA ESTABLISHMENT NUMBER

## KEEP OUT OF REACH OF CHILDREN CAUTION

**DIRECTIONS FOR USE** It is a violation of Federal law to use this product in a manner inconsistent with its labeling For product use see Panel 2

**For Industrial Use** Technical advice regarding specific site problems is available from Hercules Incorporated Paper Technologies & Ventures A Material Safety Data Sheet containing more detailed information relative to this product is available upon request

Produced for Hercules Incorporated

PANEL 1 of 2

**Lot Number**  
**Material ID**  
**Net Weight**  
**Packaging Date**

**NOTIFICATION**  
Date Reviewed 7/7/09  
Reviewed By [Signature]

FIRST AID	
<b>IF IN EYES</b>	Hold eyes 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
<b>IF INHALED</b>	Move person to fresh air If person is not breathing call 911 or ambulance and then give artificial respiration preferable mouth to mouth if possible Call a poison control center or doctor for treatment advice
<b>IF SWALLOWED</b>	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 the poison control center or doctor Do not give anything by mouth to an unconscious person
<b>IF ON SKIN OR CLOTHING</b>	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
<b>For Emergency Information Call 302 594 5000</b>	
Have the product container or label with you when calling a poison control center or doctor or going for treatment For emergency information call 302 594 5000	
<b>NOTE TO PHYSICIAN</b>	
Probable mucosal damage may contraindicate use of gastric lavage	

**HEALTH** 1  
**FLAMMABILITY** 0  
**REACTIVITY** 0  
**PERSONAL PROTECTION** A

# SPECTRUM® XD9400 microbicide agent

FOR USE AS A DISINFECTANT BACTERICIDE SLIMICIDE ALGICIDE AND MOLLUSK CONTROL AGENT FOR CONTROL OF MICROBIAL SLIME IN RECIRCULATING COOLING WATER SYSTEMS BREWERY PASTEURIZING SYSTEMS AIR WASHERS ONCE THROUGH COOLING WATER AND WASTEWATER TREATMENT SYSTEMS AND PULP AND PAPER MILLS

## MADE IN USA

**DIRECTIONS FOR USE.** It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Read entire label and use strictly in accordance with precautionary statements and directions.

**RECIRCULATING COOLING WATER SYSTEMS INCLUDING AIR WASHERS AND BREWERY PASTEURIZERS.** When used as directed this product effectively controls algal, bacterial, fungal, slime and controls the settlement and growth of mollusks such as the zebra mussel (*Dreissena*) or the Asiatic clam (*Corbicula*) in commercial and industrial cooling towers, influent water systems such as flow through filters, heat exchange water systems and industrial water scrubbing systems. **DOSE:** Add this product to the system at a 0.125 to 2.0 sodium bromide/oxidant mole ratio. For example: 1) 1.6 to 26.5 pounds of chlorine gas (99.9%) per gallon of sodium bromide solution. 2) 1.3 to 21.2 gallons sodium hypochlorite (12.5% available chlorine) solution per gallon of sodium bromide solution.

**INITIAL DOSE.** When the system is noticeably fouled, add 0.0003 to 0.24 gallon of this product per 1000 gallons of water contained in the system and oxidize with either gas chlorine (0.008 to 0.040 pound gas chlorine per 1000 gallons of contained water) or sodium hypochlorite solution (0.007 to 0.032 gallons of 12.5% sodium hypochlorite solution per 1000 gallons of contained water). When microbial control is evident, add 0.0002 to 0.024 gallon of this product per 1000 gallons of water contained in the system and oxidize with either gas chlorine (0.004 to 0.040 pound gas chlorine per 1000 gallons of contained water) or sodium hypochlorite solution (0.003 to 0.032 gallons of 12.5% sodium hypochlorite solution per 1000 gallons of contained water).

**ONCE THROUGH COOLING WATER AND WASTE WATER TREATMENT SYSTEMS.** When used as directed, this product effectively controls algal, bacterial and fungal slime and controls the settlement and growth of mollusks such as the zebra mussel (*Dreissena*) or the Asiatic clam (*Corbicula*) in once through fresh and sea water cooling systems and disinfests secondary and tertiary wastewater treatment systems. **DOSE:** Add this product to the system at a 0.125 to 2.0 sodium bromide/oxidant mole ratio. For example: 1) 1.6 to 26.5 pounds of chlorine gas (99.9%) per gallon of sodium bromide solution. 2) 1.3 to 21.2 gallons sodium hypochlorite (12.5% available chlorine) solution per gallon of sodium bromide solution.

**INITIAL DOSE.** When the system is noticeably fouled, add 0.0008 to 0.049 gallon of this product per 1000 gallons of water contained in the system and oxidize with either gas chlorine (0.02 to 0.08 pound gas chlorine per 1000 gallons of contained volume) or sodium hypochlorite solution (0.02 to 0.06 gallon of 12.5% sodium hypochlorite solution per 1000 gallons of contained volume). When microbial control is evident, add 0.0003 to 0.049 gallon of this product per 1000 gallons of water contained in the system and oxidize with either gas chlorine (0.008 to 0.08 pound gas chlorine per 1000 gallons of contained volume) or sodium hypochlorite (0.006 to 0.06 gallon of 12.5% sodium hypochlorite solution per 1000 gallons of contained volume).

**PULP AND PAPER MILLS.** When used as directed, this product effectively controls algal, bacterial and fungal slime in pulp and paper mill fresh and sea water influent water systems, cooling water systems, wastewater treatment systems, non-potable water systems, and other process water.

**DOSE:** Add this product to the system at a 0.125 to 2.0 sodium bromide/oxidant ratio. For example: 1) 1.6 to 26.5 pounds of chlorine gas (99.9%) per gallon of sodium bromide solution. 2) 1.3 to 21.2 gallon sodium hypochlorite (12.5% available chlorine) solution per gallon of sodium bromide solution. Add sufficient amount of this product and oxidize with either gas chlorine or sodium hypochlorite solution to achieve a residual bromine level of 0.5 to 5 ppm or as needed to maintain control of the system. This product can be added whenever chlorination is applied.

Feed this product with before or after the oxidant injection point into the water to be treated. Be sure rapid mixing of the treated water, this product and oxidant is achieved. Pump manufacturers can recommend the appropriate materials of construction and capacity for a pump to feed this product or sodium hypochlorite solution. If used as the oxidant, chlorine gas must be handled and used only in accordance with practices recommended in The Chlorine Manual published by the Chlorine Institute, Inc., New York. Use chlorine gas only in well-ventilated areas.

Treatment levels of this product and oxidant can best be measured with test kits for either bromine or chlorine. Tests should be made immediately after drawing water samples from the system. Use test kits according to directions 1. When a bromine test kit is used, results can be read directly as ppm bromine. 2. When a chlorine test kit is used, results can be expressed in terms of bromine by multiplying chlorine values by the conversion factor of 2.25.

E. Buyer assumes all responsibility for safety and use not in accordance with directions.

Produced for Hercules Incorporated

PANEL 2 of 2

HEALTH 1  
FLAMMABILITY 0  
REACTIVITY 0  
PERSONAL PROTECTION A



Hercules Incorporated  
Paper Technologies & Ventures  
1313 N Market Street  
Wilmington DE 19894  
302.594.5000 (24 hours)

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