74655-12 10/8/2014 1/7

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

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

OCT 8 2014

Christina M. Swick
Hercules Incorporated
A wholly Owned Subsidiary of Ashland Inc.
500 Hercules Road
Wilmington, DE 19808

Subject: **Spectrum RX4700**
EPA Registration Number 74655-12
Application Dated June 11, 2014
EPA Received Date June 13, 2014

Dear Ms. Swick:

The following amendment submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, is acceptable with comment.

Proposed Amendment:

- Add Uses Recirculation Cooling Water Systems, Once-Through Industrial Cooling Water, Auxiliary Water Systems and Wastewater Systems

General Comments:

Submit and/or cite all data required for registration/reregistration/registration review of your product when the Agency requires all registrants of similar products to submit such data.

The next label printing of this product must use this labeling unless subsequent changes have been approved. You must submit one (1) copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and it's implementing regulation at 40 CFR 152.3.

Should you have any questions or comments concerning this letter, please contact Drusilla Copeland at (703) 308-6224.

Sincerely,

Velma Noble
Acting Product Manager 31
Regulatory Management Branch 1
Antimicrobials Division (7510P)

Enclosure: stamped label

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SPECTRUM™ RX4700 microbiocide agent

ACTIVE INGREDIENTS

Dodecylguanidine Hydrochloride	5.0%
N-Alkyl (C12-40%, C14-50%, C16-10%) dimethylbenzyl ammonium chloride	8.0%
INERT INGREDIENTS*	87.0%
TOTAL	100.0%

*Inert ingredients include solubilizing and dispersing agents.
Contents: liquid
Pounds per gallon: 8.5 lb/gal (70°F)

EPA Reg. No. 74655-12

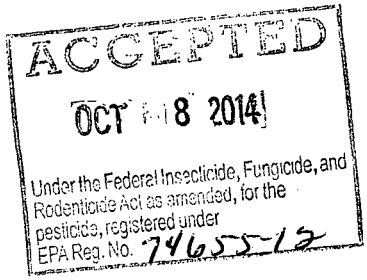
EPA Est. No.

Hercules Incorporated, A wholly owned subsidiary of Ashland Inc.
500 Hercules Rd
Wilmington, DE 19808
(302) 594-5000
Emergency Phone Number
1-800-ASHLAND (1-800-274-5263)

For Industrial Use. Technical advice regarding specific problems is available from Hercules Incorporated, A wholly owned subsidiary of Ashland Inc. A Material Safety Data Sheet containing more detailed information relative to this product is available upon request.

MADE IN USA

Produced for Hercules Incorporated, A wholly owned subsidiary of Ashland Inc.



PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER

CORROSIVE. CAUSES IRREVERSIBLE EYE DAMAGE AND SKIN BURNS. Do not get in eyes, on skin or on clothing. Wear protective eyewear (goggles or face shield) rubber gloves, and protective clothing. Harmful if swallowed or inhaled. Avoid breathing dust, vapor or spray mist. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

ENVIRONMENTAL HAZARDS

This product is toxic to fish, aquatic invertebrates, shrimp and oysters. 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.

PHYSICAL AND CHEMICAL HAZARDS

Do not use, pour or store near heat or open flame.

KEEP OUT OF REACH OF CHILDREN

DANGER

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 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.

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 INHALED:

Move person to fresh air. If person is not breathing, call 911 or an ambulance, and then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for treatment advice.

FOR EMERGENCY INFORMATION CALL
1-800-ASHLAND

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

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.
PESTICIDE STORAGE: Keep container tightly closed. Protect from freezing. Store in a dry place. Do not store at elevated temperatures.
PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous and/or toxic. 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 - 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.

DIRECTIONS FOR USE:

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

PULP AND PAPER SYSTEMS

This product aids in the control of bacteria and fungi in pulp, paper mill and the additive system, and for the preservation of pulp, pigment slurries, alum, emulsions, adhesives, defoamers, polymers and paper products. Additions can be made on a continuous or intermittent basis depending upon the severity of the contamination. BADLY FOULED SYSTEMS must be cleaned before treatment is begun.

FOR SLIME CONTROL

This product should be added directly to the pulp and paper mill systems. Apply at a point in the system where the product will be uniformly mixed.

INTERMITTENT OR SLUG METHOD-INITIAL DOSE: When the system is noticeably fouled, add this product at the rate of 0.15 to 2.0 pounds per ton of pulp or paper produced. Additions to the additive system should be made directly at the rate of 0.1 to 2.0 pounds (12 to 240 ppm) per 1000 gallons. Repeat until control is achieved. SUBSEQUENT DOSE: When microbial control is evident, add this product at the rate of 0.15 to 2.0 pounds per ton of pulp and paper produced. Treat the system as needed to maintain control. Additions to the additive system may be reduced to 0.1 to 1.5 pound (12 to 180 ppm) per 1000 gallons.

CONTINUOUS FEED METHOD-INITIAL DOSE: When the system is noticeably fouled, add this product at the rate of 0.15 to 2.0 pounds per ton of pulp or paper produced. Additions to the additive system should be made directly at the rate of 0.1 to 1.0 pounds (12 to 120 ppm) per 1000 gallons. Continue until control is achieved. SUBSEQUENT DOSE: Maintain the following level by continuous feed of this product at the rate of 0.15 to 2.0 pounds per ton of pulp and paper produced. Treat the system as needed to maintain control. Additions to the additive system should be at the rate of 0.1 to 1.5 pound (12 to 180 ppm) per 1000 gallons.

FOR PRESERVATION

This product should be added directly to the material to be preserved prior to manufacturing into the finished product, i.e., pulp, broke, polymers, defoamers, alum, emulsions, adhesives, papermill coatings, pigment slurries and paper products. The dosage rate will depend on the material to be preserved, and the storage time. The usual additions should be 200 to 300 ppm and under extreme conditions of spoilage the dosage rate should be increased to 250 to 800 ppm. The above recommendations are based on a maximum storage time of 2 weeks. For storage time greater than 2 weeks, the maximum concentration should be increased to 1000 ppm.

RECIRCULATING COOLING WATER SYSTEMS
This product aids in the control of mollusca, barnacles, hydrozoa, bryozoa and of bacterial, fungal and algal slimes in evaporative condensers, heat exchange water systems, commercial and industrial cooling towers, influent systems such as flow-through filters and lagoons, industrial water scrubbing systems and brewery pasteurizers. This product may be added to the system either continuously or intermittently or as needed. The frequency of feeding and duration of the treatment will depend upon the severity of the problem. Badly fouled systems must be cleaned before treatment is begun.

FOR THE CONTROL OF MOLLUSCA, BARNACLES, HYDROZOA, BRYOZOA, BACTERIA, FUNGI AND ALGAE

INTERMITTENT OR SLUG METHOD – INITIAL DOSE: When the system is noticeably fouled, add this product at the rate of 0.3 to 2.0 pounds (36 to 240 ppm) per 1000 gallons of water in the system. Repeat until control is achieved. SUBSEQUENT DOSE: When control is evident, add this product at the rate of 0.15 to 1.5 pounds (18 to 180 ppm) per 1000 gallons of water in the system every 3 days or as needed to maintain control.

CONTINUOUS FEED METHOD – INITIAL DOSE: When the system is noticeably fouled, add this product at the rate of 0.3 to 2.0 pounds (36 to 240 ppm) per 1000 gallons of water in the system. SUBSEQUENT DOSE: Continuously feed this product to maintain a dosage of 0.05 to 0.5 pound (6 to 60 ppm) per 1000 gallons of water in the system.

ONCE-THROUGH INDUSTRIAL COOLING WATER SYSTEMS
This product aids in the control of mollusca, barnacles, hydrozoa, bryozoa and of algal, bacterial and fungal slimes in once-through and closed-cycle fresh and sea water cooling systems, cooling ponds, canals and lagoons. This product may be added to the system inlet water or before any contaminated area in the system. Addition of this product should be made with a metering pump, it may be continuous or intermittent depending upon the severity of contamination when treatment is begun, and the retention time in the system. Badly fouled systems must be cleaned before treatment is begun.

FOR THE CONTROL OF MOLLUSCA, BARNACLES, HYDROZOA, BRYOZOA, BACTERIA, FUNGI AND ALGAE

INTERMITTENT OR SLUG METHOD – INITIAL DOSE: When the system is noticeably fouled, add this product at the rate of 0.2 to 1.0 pound (24 to 120 ppm) per 1000 gallons of water based on the flow rate through the system. Minimum treatment intervals should be 15 minutes. Repeat until control is achieved. SUBSEQUENT DOSE: When control is evident, add this product at the rate of 0.05 to 0.5 pound (6 to 60 ppm) per 1000 gallons of water based on the flow rate through the system intermittently as needed to maintain control.

CONTINUOUS FEED METHOD – INITIAL DOSE: When the system is noticeably fouled, add this product at the rate of 0.2 to 1.0 pound (24 to 120 ppm) per 1000 gallons of water based on the flow rate through the system. Continue until control is achieved. SUBSEQUENT DOSE: When control is evident, pump a continuous feed of this product at the rate of 0.02 to 0.2 pound (2.4 to 24 ppm) per 1000 gallons of water based on the flow rate through the system.

AUXILIARY WATER SYSTEMS

This product is for non-potable auxiliary water systems.

This product is effective for the control of mollusca, barnacles, hydrozoa, bryozoa and of odor-forming and slime-forming bacteria, fungi and algae in fresh, salt, or brackish auxiliary water systems such as fire protection systems, construction water lagoons, production or manufacturing water ponds for non-potable industrial water intake systems. This product may be added to the system by slug or intermittent feed. The frequency of feed and the duration of treatment will depend upon the severity of the contamination. Addition to lagoons or ponds should be made during the pumping operation and as close to the pump as possible to ensure adequate mixing. Additions to intakes of fire protection systems and industrial water systems directly to the pump chambers or just ahead of screen chambers and grit capture chambers. INTERMITTENT OR SLUG METHOD: When treatment is required, add this product at the rate of 1.5 to 4.0 pounds per 1000 gallons of water already in the system, or being added to the system, for 4 to 8 hours, 1 to 4 times per week or as needed to achieve the desired level of control. When control is obtained, add this product at the rate of 0.75 to 2.0 pounds per 1000 gallons of water in the system.

WASTEWATER SYSTEMS

This product is effective for the control of mollusca, barnacles, hydrozoa, bryozoa and of odor-forming and slime-forming bacteria, fungi and algae in wastewater collection systems such as holding or recovery storage tanks, associated piping, settling ponds or lagoons, trickling filter, aeration basins, primary and final settling clarifiers, transport spillways or canals and disposal wells. This product is not intended to be used in oxidation ponds or lagoons (aerobic and or anaerobic) or aerobic and anaerobic sludge digesters. This product may be added to the system by slug or intermittent feed. The frequency of feed and the duration of treatment will depend upon the severity of the contamination. Additions to water systems should be made during the pumping operation and as close to the pump as possible to ensure adequate mixing. INTERMITTENT OR SLUG: When treatment is required, add this product at the rate of 1.5 to 4.0 pounds per 1000 gallons of water already in the system, or being added to the system, for 4 to 8 hours, 1 to 4 times per week or as needed to achieve the desired level of control. When control is obtained, add this product at the rate of 0.75 to 2.0 pounds per 1000 gallons of water in the system.