UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

July 22, 2016

Kate Ingram
Senior Product Regulatory Specialist
Solenis LLC
500 Hercules Road
Wilmington, DE 19808

Subject: Notification per PRN 98-10 – Add California Restriction
Product Name: Spectrum RX9100 Microbiocide Agent
EPA Registration Number: 74655-38
Application Date: 7/16/2016
Decision Number: 519368

Dear Ms. Ingram:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 for the above referenced product. The Antimicrobials Division (AD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10.

The label submitted with the application has been stamped "Notification" and will be placed in our records.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

If you have any questions, you may contact Aline Heffernan at 703-347-8602 or via email at heffernan.aline@epa.gov.

Sincerely,

Julie Chao, Product Manager 33
Regulatory Management Branch 1
Antimicrobials Division (7510P)
Office of Pesticide Programs

SPECTRUM™ RX9100 microbiocide agent

ACTIVE INGREDIENTS:
2-Bromo-2-nitropropane-1,3,-diol……5.5%
5-Chloro-2-methyl-4-isothiazolin-3-one……...1.9%
2-Methyl-4-isothiazolin-3-one……..0.68%
INERT INGREDIENTS……..91.92%
TOTAL……..100.00%

Contents: Liquid
Pounds per Gallon: 9.2 (70°F)

EPA Registration No: 74655-38
EPA Establishment No:

Solenis LLC
500 Hercules Road
Wilmington, DE 19808
(302) 594-5000
Emergency Phone Number
1-844-SOLENIS (1-844-765-3647)

NOTIFICATION

74655-38

The applicant has certified that no changes, other than those reported to the Agency have been made to the labeling. The Agency acknowledges this notification by letter dated:

7/22/2016

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER PELIGRO

Danger. Corrosive. Causes irreversible eye damage. Causes skin burns. Harmful if swallowed or absorbed through the skin. Do not get in eyes, on skin or on clothing. Harmful if inhaled. Avoid breathing spray mist. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Remove contaminated clothing and wash before reuse.

PERSONAL PROTECTIVE EQUIPMENT (PPE):
Applicators and all other handlers must wear:
Coveralls over long-sleeved shirt and long pants, socks and chemical-resistant footwear, goggles or face shield, chemical-resistant gloves such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, polyvinyl chloride, or viton.
Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry. Discard clothing or other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

ENVIRONMENTAL HAZARDS:
This pesticide is toxic to fish and aquatic organisms. 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 g 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.

USER SAFETY RECOMMENDATIONS:
Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Users should remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

KEEP OUT OF REACH OF CHILDREN

DANGER PELIGRO

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.

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

FOR EMERGENCY INFORMATION CALL 1-844-SOLENIS (1-844-765-3647)
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

STORAGE AND DISPOSAL:

DO NOT CONTAMINATE WATER, FOOD OR FEED BY STORAGE OR DISPOSAL

PESTICIDE STORAGE: Keep container tightly closed. Store in a cool, dry, well-ventilated place. Do not store at elevated temperatures.
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 DISPOSAL: Non-Refillable 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 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 is 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.

RECIRCULATING WATER SYSTEMS – *Not Approved for use in California*
This product is effective for the control 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, brewery pasteurizers, hydrostatic cookers and retort waters. This product may be added to the system either continuously or intermittently as needed. The frequency of feeding and duration of the treatment will depend upon the severity of contamination. BADLY FOULED SYSTEMS must be cleaned before treatment is begun.

~~***Influent systems such as flow through filters and lagoons, industrial water scrubbing systems, hydrostatic cookers and retort waters are not approved for use in California***~~

INTERMITTENT OR SLUG METHOD – INITIAL DOSE: When the system is noticeably fouled, add this product at the rate of 0.4 to 4.2 pounds per 1000 gallons/50 to 500ppm of water in the system. Repeat until control is achieved.
SUBSEQUENT DOSE: When control is evident, add this product at the rate of 0.3 to 3.3 pounds per 1000 gallons/40 to 400ppm 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 0.4 to 4.2 pounds per 1000 gallons/50 to 500ppm of water in the system. Repeat until control is achieved.
SUBSEQUENT DOSE: Continuously feed this product to maintain a dosage of 0.3 to 3.3 pounds per 1000 gallons/40 to 400ppm of blowdown (or water loss) from the system.

INTERMEDIATE WATER BASED COOLANT FORMULATIONS – *Not Approved for use in California*
Intermediate water based coolant formulations used in closed recirculating systems can become contaminated with microorganisms. This product is an excellent in-can preservative to inhibit the growth of microorganisms through storage, shipping, handling and use. Intermediate water based coolant formulations can contain from 0.36 lb to 5.25 lb/100 gallons (480 to 7,000ppm) of this product for in-can preservation of the quality of the formulation and to extend the usefulness of the liquid coolant system. Final use dilution cannot exceed 500ppm of this product in the final water based coolant formulation. As an example, treated coolant can be used in MRI (Magnetic Resonance Imaging) medical devices. The coolant is used to remove the heat generated by the gradient coil and the gradient amplifier.

AIR WASHERS – *Not Approved for use in California*
For use only in air washing systems that maintain effective mist eliminating components. To control bacteria, fungi and algae which cause fouling in industrial air washing systems, add this product to the air washer sump or chill water sump to insure uniform mixing at the rate of 0.3 to 3.3 pounds per 1000 gallons/40 to 400ppm of water in the system depending upon the severity of the contamination. BADLY FOULED SYSTEMS must be cleaned before treatment is begun.

INTERMITTENT OR SLUG METHOD – INITIAL DOSE: When the system is noticeably fouled, apply this product at the rate of 0.4 to 4.2 pounds per 1000 gallons/50 to 500ppm in the system. Repeat until control is achieved.
SUBSEQUENT DOSE: When microbial control is evident, add this product at the rate of 0.3 to 3.3 pounds per 1000 gallons/40 to 400ppm of water in the systems weekly or as needed to maintain control.

CONTINUOUS FEED METHOD – INITIAL DOSE: When the system is noticeably fouled, apply this product at the rate of 0.4 to 4.2 pounds per 1000 gallons of water/50 to 500ppm in the system.
SUBSEQUENT DOSE: Maintain this treatment level by adding a continuous feed of this product at the rate of 0.3 to 3.3 pounds per 1000 gallons/40 to 400ppm of blowdown (or water loss) from the system.

AUXILIARY WATER/SERVICE WATER AND WASTE WATER SYSTEMS – *Not Approved for use in California*
This product is effective for the control of odor-forming bacteria, slime-forming bacteria, fungi and algae in auxiliary water system such as fire protection systems and pump or screen bays, waste water and waste material disposal, holding or recovery systems such as storage tanks, storage piles, associated piping, settling ponds or lagoons, transport spillways or canals and disposal wells.

INTERMITTENT OR SLUG METHOD – INTIAL DOSE: When the system is noticeably fouled, add this product at the rate of 0.4 to 4.2 pounds per 1000 gallons of water/50 to 500ppm in the system. Repeat until control is achieved.
SUBSEQUENT DOSE: When control is evident, add this product at the rate of 0.3 to 3.3 pounds per 1000 gallons of water/40 to 400ppm 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 0.4 to 4.2 pounds per 1000 gallons of water/50 to 500ppm in the system. Repeat until control is achieved.
SUBSEQUENT DOSE: Continuously feed this product to maintain a dosage of 0.3 to 3.3 pounds per 1000 gallons/40 to 400ppm of blowdown (or water loss) from the system.

This product may be added to the system water or by spraying on to a waste pile as needed. The frequency of feed or spray and the duration of treatment will depend upon the severity of the contamination. Additives 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 METHOD: When treatment is required, add this product at the rate of 0.4 to 4.2 pounds per 1000 gallons of water/50 to 500ppm already in the system, or being added to the systems 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 0.3 to 3.3 pounds per 1000 gallons of water/4o to 400ppm in the system.

METAL WORKING FLUIDS, HYDRAULIC FLUIDS, HYDROCARBON BASED FUEL OIL AND OIL AND/OR WATER BASED INDUSTRIAL FORMULATIONS – *Not Approved for use in California*
For control of bacteria, fungi and algae which cause fouling in metal working fluids, hydraulic fluids, hydrocarbon based fuel oils and oil and/or water based industrial formulations, add this product to the fluid insuring uniform mixing at the rate of 2 to 10 pounds per 1000 gallons/240 to 1200ppm of fluid in the system depending upon the severity of the contamination. BADLY FOULED SYSTEMS must be cleaned before treatment is begun.

INTERMITTENT OR SLUG METHOD – INTIAL DOSE: When the system is noticeably fouled, apply this product at the rate of 4 to 10 pounds per 1000 gallons/400 to 1200ppm of fluid in the system. Repeat every 4 weeks or until control is achieved.
SUBSEQUENT DOSE: Then microbial control is evident, add this product at the rate of 2 to 5 pounds per 1000 gallons/240 to 600ppm of fluid in the system every 4 weeks or as needed to maintain control.

PULP AND PAPER MILL
In pulp and paper mill and the additive systems and for the preservation of pulp, pigment slurries, alum, emulsions, adhesives, non-coating defoamers, polymers and paper products this product aids to control objectionable bacteria and fungi. Additions can be made on a continuous or intermittent basis, depending on the severity of the contamination.

BADLY FOULED SYSTEMS must be cleaned before treatment is begun. This product should be added directly to the pulp and paper mill systems. Apply at a point 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 0.75 to 7.5 pounds per ton of pulp or paper produced. Addition of this product to the additive system should be made directly at the rate of 0.42 to 5.4 pounds (50 -650ppm) per 1000 gallons. Repeat until control is achieved.
SUBSEQUENT DOSE: When microbial control is evident, add this product at the rate of 0.6 to 5.75 pounds per ton of pulp or paper produced. Treat the system as needed to maintain control. Addition of this product to the additive system may be reduced to 0.28 to 4.6 pounds (34 to 550ppm) per 1000 gallons.

CONTINUOUS FEED METHOD – INITIAL DOSE: When the system is noticeably fouled, add this product at the rate of 0.75 to 2.0 pounds per ton of pulp or paper produced. Additions of this product to the additive system should be made directly at the rate of 0.42 to 5.4 pounds (50 to 650ppm) per 1000 gallons. Continue until control is achieved.
SUBSEQUENT DOSE: Maintain the following level by continuous feed of this product at the rate of 0.6 to 1.75 pounds per ton of pulp or paper produced. Addition of this product to the additive system may be reduced to 0.28 to 4.6 pounds (34 to 550ppm) per 1000 gallons. Continue until control is achieved.

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, paper mill coatings, pigment slurries and paper products. The dosage rate will depend on the material to be preserved and the storage time. The usual additional should be 75 to 1300ppm for polymer latex emulsions; 75 to 650ppm for polymers, starch, defoamers, alum, adhesives, paper mill coatings and pigment slurries; and 150 to 650ppm for pulp and broke. The above recommendations are based on a maximum storage time of 7 to 14 days. Repeat dosing every 7 to 14 days for storage times longer than two weeks.