UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

September 4, 2019

Marcia Croce
LANXESS Corporation
111 RIDC Park West Drive
Pittsburgh, PA 15275

Subject: Notification per PRN 98-10 – *Updating Environmental Hazards Language*
Product Name: **Veriguard 3003**
EPA Registration Number: 39967-117
Application Date: 06/04/2019
Decision Number: 551888

Dear Ms. Croce:

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, please contact Stacey Grigsby by phone at 703.305.6440, or via email at grigsby.stacey@epa.gov .

Sincerely,

Stacey Grigsby
Regulatory Risk Manager, 34
Regulatory Management Branch II
Antimicrobials Division (7510P)

VERIGUARD® 3003

TO INHIBIT THE GROWTH OF MICROORGANISMS IN AQUEOUS SYSTEMS. CONTROLS BACTERIA, FUNGI, AND YEASTS. CONTROLS THE GROWTH OF MICROORGANISMS IN PRESERVATION APPLICATIONS INCLUDING: ADHESIVES, GLUES, AND TACKIFIER PRESERVATION; PAINTS, COATINGS, AND STAINS; PIGMENTS, DYES, AND FILLER SUSPENSIONS; CONSTRUCTION PRODUCTS* AND HOUSEHOLD PRODUCTS*; METAL WORKING FLUIDS CONTAINING WATER*; ENHANCED OIL RECOVERY SYSTEMS*; POLYMER DISPERSIONS AND EMULSIONS*.

***Not for use in State of California**

ACTIVE INGREDIENTS: 1,2-Dibromo-2,4-dicyanobutane	10%
2,2-Dibromo-3-nitrilopropionamide	10%
INERT INGREDIENTS	80%
TOTAL	100%

NOTIFICATION

39967-117

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:

09/04/2019

DANGER

KEEP OUT OF REACH OF CHILDREN

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER. CORROSIVE. Causes irreversible eye damage. Do not get in eyes, on skin or on clothing. Harmful if swallowed. Wear goggles, safety glasses or face shield and chemical resistant gloves when handling. May be fatal if inhaled. Do not breathe vapor or spray mist dust. Avoid contact with skin. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals. Remove contaminated clothing and wash clothing before reuse.

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. Wash the outside of gloves before reusing. As soon as possible, wash thoroughly. Users should remove personal protective equipment immediately after handling this product.

FIRST AID

IF IN EYES: Hold eyes open and rinse slowly and gently with water for 15-20 minutes. Get medical attention. 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 not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to mouth. Call a poison control center or doctor for treatment advice.

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

The LANXESS Pittsburgh Emergency Response Telephone Number is 800-410-3063

IN CASE OF EMERGENCY, CALL: CHEMTREC 1-800-424-9300
INTERNATIONAL 1-703-527-3887

DIRECTIONS FOR USE

It is a violation of federal law to use this product in a manner inconsistent with its labeling. For further use instructions, refer to the Veriguard® 3003 Label Supplement.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish, invertebrates, and wildlife. 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.

STORAGE AND DISPOSAL

PESTICIDE STORAGE: To maintain product quality, store at temperatures below 50°C. Keep container tightly closed when not in use. Do not contaminate water, food or feed by storage or disposal.

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 the 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

NONREFILLABLE CONTAINER**.** Do not refill or reuse container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows:

PAILS (equal to or less than 5 gallons): Empty remaining contents into application equipment or mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

DRUMS and TOTES/BINS (greater than 5 gallons): Empty remaining contents into application equipment or mix tank. Fill the container ¼ 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 container over onto its other end and tip it back and forth several times. Empty the rinsate into the application equipment or mix tank or store rinsate for later use or disposal. Repeat this procedure two more times**.**

ALL NONREFILLABLE CONTAINERS: Offer for recycling or reconditioning. If not available, puncture and dispose in a sanitary landfill.

EPA Reg. No.: 39967-117 **Net Contents:**

EPA Est. No.: **Lot No.:**

LANXESS

LANXESS Corporation
111 RIDC Park West Drive ● Pittsburgh, PA 15275-1112

LABEL TEXT DATE: 6/4/2019

LANXESS

Energizing Chemistry

Veriguard® 3003

EPA Registration Number 39967-117

VERIGUARD® 3003

TO INHIBIT THE GROWTH OF MICROORGANISMS IN AQUEOUS SYSTEMS. CONTROLS BACTERIA, FUNGI, AND YEASTS. CONTROLS THE GROWTH OF MICROORGANISMS IN PRESERVATION APPLICATIONS INCLUDING: ADHESIVES, GLUES, AND TACKIFIER PRESERVATION; PAINTS, COATINGS, AND STAINS; PIGMENTS, DYES, AND FILLER SUSPENSIONS; CONSTRUCTION PRODUCTS* AND HOUSEHOLD PRODUCTS*; METAL WORKING FLUIDS CONTAINING WATER*; ENHANCED OIL RECOVERY SYSTEMS*; POLYMER DISPERSIONS AND EMULSIONS*.

***Not for use in State of California**

DIRECTIONS FOR USE:
It is a violation of federal law to use this product in a manner inconsistent with its labeling.

Note: Add Veriguard® 3003 separately to the system. Do not mix it with other additives, in order to avoid decomposition of Veriguard® 3003, due to the high pH of many additive formulants.

The following guidance is given as an approximation for each use pattern, but field testing is recommended to achieve optimum effectiveness.

INDUSTRIAL PROCESS AND WATER SYSTEMS (Not for use in State of California)

FOR CONTROL OF BACTERIA:
Add 0.00095-0.0095 gallon (0.95 – 9.5 ppm) Veriguard® 3003 per 1,000 gallon of water in system, depending on severity of contamination.

INTERMITTENT OR SLUG METHOD:
Initial Dose: When system is noticeably fouled, add 0.0048-0.0095 gallon (4.8–9.5 ppm) Veriguard® 3003 per 1,000 gallon of water in the system every 4 days, or as needed to maintain control.
Subsequent Dose: When microbial control is evident add 0.0024-0.0095 gallon (2.5 – 9.5 ppm) VeriGuard® 3003 per 1,000 gallon of water in the system every 4 days, or as needed to maintain control. Badly fouled Systems must be cleaned before treatment is begun.

CONTINUOUS FEED METHOD:
Initial Dose: When the system is noticeably fouled, add 0.0048-0.0095 gallon (4.8 – 9.5 ppm) Veriguard® 3003 per 1,000 gallon of water to the system.
Subsequent Dose: Maintain this level by pumping a continuous feed of 0.00095-0.0048 gallon (0.95 – 4.8 ppm) Veriguard® 3003 per 1,000 gallon of water to the system per day. Badly fouled systems must be cleaned before treatment is begun.

FOR CONTROL OF FUNGI AND ALGAE:
Add 0.0029-0.095 gallon (2.9 - 95 ppm) Veriguard® 3003 per 1,000 gallon of water in system, depending on severity of contamination.

INTERMITTENT OR SLUG METHOD:
Initial Dose: When system is noticeably fouled, add 0.0048-0.0095 gallon (4.8 - 9.5 ppm) Veriguard® 3003 per 1,000 gallon of water in the system every 4 days, or as needed to maintain control.
Subsequent Dose: When microbial control is evident add 0.0024-0.0095 gallon (2.4 – 9.5 ppm) Veriguard® 3003 per 1,000 gallon of water in the system every 4 days, or as needed to maintain control. Badly fouled systems must be cleaned before treatment is begun.

CONTINUOUS FEED METHOD:
Initial Dose: When the system is noticeably fouled, add 0.048-0.095 gallon (48 - 95 ppm) Veriguard® 3003 per 1,000 gallon of water to the system.
Subsequent Dose: Maintain this level by pumping a continuous feed of 0.029-0.095 gallon (29 - 95 ppm) Veriguard® 3003 per 1,000 gallon of water to the system per day. Badly fouled Systems must be cleaned before treatment is begun.

INDUSTRIAL RECIRCULATING WATER COOLING TOWERS (Not for use in State of California)
Add Veriguard® 3003 to the basin (or any other point of uniform mixing). Additions should be made with a metering pump; it may be continuous or intermittent, depending on the severity of the contamination when treatment is begun, and the retention time of the system. Optimum performance with this product is attained by continuous or intermittent treatment. If “shock” treatment is used, the blowdown should be discontinued for 24-48 hours.

PAPER MILLS (Not for use in State of California)
For the control of bacterial, fungal, and yeast growths in pulp, paper and paperboard mills, add Veriguard® 3003 at the rate of 0.15-0.50 lb/ton (150 - 500 ppm) of pulp or paper (dry basis). Addition may be continuous or intermittent, depending upon the type of system and the severity of contamination. It should be made with a metering pump at a location that will insure uniform distribution of Veriguard® 3003 in the mass of fiber and water, such as the beaters, jordan inlet or discharge, broke chests, furnish chests, save-alls, and whitewater tanks. Heavily fouled systems should be boiled out, then treated with 0.15-0.35 lb (150 - 350 ppm) Veriguard® 3003 per ton of paper (dry basis), as necessary for control. Moderately fouled systems should be treated continuously with 0.35-0.50 lb (350 - 500 ppm) Veriguard® 3003 per ton of paper (dry basis) until the slime accumulation is controlled. Addition rates can then be reduced to 0.15-0.35 lb (150 - 350 ppm) Veriguard® 3003 per ton of paper on a continuous or intermittent basis, as needed for control. Dislodged slime may cause breaks in the paper and a clean up of the paper machine be advisable. Slightly fouled systems should be treated continuously

with 0.15-0.35 lb (150 - 350 ppm) Veriguard® 3003 per ton of paper (dry basis) until the slime is controlled, then added on an intermittent basis to maintain control.

PAPER (Not for use in State of California)
Use Veriguard® 3003 as a preservative for the control of bacteria and fungi in paper and paper additives. VeriGuard® 3003 may be fed directly to the additive at the following recommended dosages.

Dose Ranges:
Paper Auxiliaries/Additives 0.28-1.7%
Paper Slurries 0.4-0.6%
Fiber Processing Fluids 0.20-1.20%

MATERIAL PRESERVATION

ADHESIVES, GLUES AND TACKIFIER PRESERVATION
Add Veriguard® 3003 and water dispersed adhesives. Veriguard® 3003 can be directly mixed homogeneous into dry glues before they are concentrated.

Dose Ranges (per 1000 gallons of material): Albumin Containing Glues, Bone Glues, Casein-Containing Adhesives, Cellulose-Based Adhesives, Dextrin-Based Adhesives, Fish Glues, Gelatin-Based Glues, Leather Glues, Plant Glues, Polymer Dispersion-Based Adhesives, Skin Glues, Starch-Based Glues (Liquid), Starch-Based Glues (Solid), Polyvinyl acetate, styrene-butadiene, methyl cellulose & acrylic, Polyvinyl alcohol & Hydroxyethyl cellulose, Epoxy, and polyester ……..…500-6000 ppm (0.05-0.6%)

CONSTRUCTION PRODUCTS AND HOUSEHOLD PRODUCTS (Registered only for concrete and masonry additives in California – Otherwise not for use in State of California)
Add Veriguard® 3003 for the control of bacteria and fungi in water soluble and water dispersed construction products. Veriguard® 3003 can be fed either directly to the finished construction or household product or to one of the raw materials used in the formulation of the construction and/or household product.

Dose Ranges (per 1000 gallons of material): Biopolymers (e.g. Xanthan), Caulking Materials, Mastics, Ceramic Glazes, Chemical Cleaning Solutions, Cleaning Solutions, Concrete and Masonry Additives, Concrete, Fire Extinguishing Medium, Photographic Gelatins, Plasters, Polishes, Rubber Systems, Tints, Wax Emulsion, Joint cements……500-6000 ppm (0.05-0.6%)

METAL WORKING FLUIDS CONTAINING WATER (Not for use in State of California)
This product is effective in metalworking fluid concentrates, which have been diluted in water at ratios of 1:100 –1:4. For controlling (or inhibiting) the growth of bacteria, fungi, and yeasts that may deteriorate metalworking fluids containing water, add Veriguard® 3003 to the fluid in the collection tank. Additions should be made with a metering pump.

Initial or Slug Dose: When the system is just noticeably fouled, add 0.50 gallon Veriguard® 3003 per 1,000 gallon of metalworking fluid to the system. Repeat until control is achieved.

Subsequent Dose: When microbial control is evident, add 0.2-0.4 gallon Veriguard® 3003 per 1,000 gallon of metal working fluid per day, or as needed to maintain control. Additions can be made continuously or intermittently. Slug the system as required.

ENHANCED OIL RECOVERY SYSTEMS (Not for use in State of California)
For controlling slime-forming bacteria, sulfide producing bacteria, yeasts, and fungi in oil field water, polymer or micellar floods, water disposal systems, or other oil field water systems, add 0.001-0.08 gallon (1-80 ppm) Veriguard® 3003 per 1,000 gallons of water to the system, depending on the severity of contamination. Additions should be made with a metering pump either continuously or intermittently.

CONTINUOUS FEED METHOD:
When the system is noticeably fouled, add 0.01-0.08 gallon (10-80 ppm) Veriguard® 3003 per 1,000 gallons of water to the system, continuously until the desired degree of control is achieved. Subsequently, treat with 0.001-0.015 gallon (1-15 ppm) Veriguard® 3003 per 1,000 gallons of water to the system, continuously or as needed to maintain control.

INTERMITTENT OR SLUG METHOD: When the system is noticeably fouled, or to maintain control of the system, add 0.01-0.08 gallon (10-80 ppm) VeriGuard® 3003 per 1,000 gallons of water to the system, intermittently for 4-8 hours per day, and from 1-4 times per week, or as needed depending the severity of contamination. Addition of Veriguard® 3003 may be made at the free knockouts, before or after the injection pumps and injection well headers. NOTE: For control of bacteria, yeast, and fungi in aqueous biopolymer solutions used in flooding operations, add 0.015-0.08 gallon (15-80 ppm) Veriguard® 3003 per 1,000 gallons of water to the system. Additions of Veriguard® 3003 should be made with a metering pump immediately after preparation of the aqueous biopolymer solution to prevent loss of viscosity.

PAINTS, COATINGS AND STAINS
Veriguard® 3003 is generally incorporated directly into pigments and fillers, but it can also be first dissolved in a suitable solvent or added directly to the pre-heated binder systems. For best results, the preservative should be homogeneously incorporated into the stain or paint. Discoloration may occur, and should be evaluated.

Dose Ranges (per 1000 gallons of material):
Alkyd Resin-Based Systems, Casein-Systems, Latex-Based Systems, Oil-Containing Systems, Synthetic Resin Dispersions……500-6000 ppm (0.05-0.6%)

PIGMENTS, DYES AND FILLER SUSPENSIONS
Mix VeriGuard® 3003 evenly with dispersing agents for processes where the temperature does not exceed 100°C. For all other processes, Veriguard® 3003 is metered directly into the material to be preserved during the cooling step after the temperature falls below 50°C and homogeneously distributed by stirring.

Dose Ranges (per 1000 gallons of material): Calcium Carbonate Slurries, Carbon Black Pigment Slurries, Clay Slurries, Iron Oxide Pigment Slurries, Kaolin Slurries, Organic Dyes and Pigment Slurries, Other Filler Suspensions, Starch Slurries, Inks ……...500-6000 ppm (0.05-0.6%)

POLYMER DISPERSIONS AND EMULSIONS (Not for use in State of California)
Veriguard® 3003 is added immediately after the preparation of the polymer dispersion or emulsion during the cooling process. Losses of active ingredient caused by elevated temperatures should be avoided.

Dose Ranges: (Polymer Dispersions and Emulsions) (per 1000 gallons of material): Acrylic-Systems, Other Polymer Dispersions, Polyester Based Systems, Polyurethane-Based Systems, Polyvinyl acetate (PVA) Systems Styrene Butadiene Systems, Vinyl Acrylic-Based Systems, Latex ….500-6000 ppm (0.05-0.6%)

LANXESS Corporation
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6/2019