



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

February 8, 2016

Lara Leur
Oilfield Global Regulatory Affairs Manager
Lubrizol Oilfield Solutions, Inc.
The Lubrizol Corporation
29400 Lakeland Boulevard
Wickliffe, OH 44092-2298

Subject: Notification per PRN 98-10 – Update company name and address
Product Name: BioClear 2500 Antimicrobial
EPA Registration Number: 59106-9
Application Date: December 31, 2015
Decision Number: 512730

Dear Ms. Leur:

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 me at (703) 308-8735 or via email at chao.julie@epa.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "Julie Chao".

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



BioClear 2500 Antimicrobial

AN EFFECTIVE MICROBIOCIDIC FOR USE IN CONTROLLING SULFATE-REDUCING BACTERIA, FUNGI (YEAST AND MOLDS), ALGAE AND SLIME-FORMING BACTERIA AND IN OIL AND GAS PRODUCTION AND PRODUCTION AND APPLICATIONS, PACKER FLUIDS, HYDROTESTING, OIL FIELD WATER SYSTEMS, TRANSMISSION PIPELINES AND SYSTEMS, GAS STORAGE FIELDS AND EQUIPMENT; SUCH AS, STEAM-INJECTION WATER HOLDING TANKS, FLOOD WATER, FRACTURING FLUIDS, INJECTION WATER, HOLDING POND WATER, DISPOSAL WELL WATER, WATER HOLDING TANKS, FUEL STORAGE TANKS AND RELATED REFINERY AND OILFIELD CLOSED, INDUSTRIAL RECIRCULATING WATER HANDLING SYSTEMS. CONTROLS MICROBIAL GROWTH IN INDUSTRIAL RECIRCULATING WATER SYSTEMS, NON-POTABLE SERVICE WATER SYSTEMS, HEAT TRANSFER SYSTEMS, INDUSTRIAL WASTEWATER SYSTEMS AND AQUEOUS METALWORKING FLUIDS.

Active ingredient	
Glutaraldehyde.....	51.1%
Inert ingredients.....	48.9%
Total.....	100%

PRECAUTIONARY STATEMENTS HAZARD TO HUMANS AND DOMESTIC ANIMALS DANGER

Keep Out of Reach of Children

DANGER! Corrosive. Causes irreversible eye damage. Causes skin burns. Harmful if inhaled. May be fatal if swallowed. Harmful if absorbed through skin. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Causes asthmatic symptom in hyper-sensitive individuals.

Do not get in eyes, on skin or on clothing. Do not swallow. Avoid breathing vapor. Wear goggles or face shield, long-sleeve shirt, long pants, shoes, socks, chemical-resistant gloves, and chemical-resistant apron. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

Handle in a well-ventilated area. If vapors are irritating to the nose or eyes, special ventilation or respiratory protection (MSHA/NIOSH approved air purifying respirator equipped with an organic vapor cartridge) may be required.

ENVIRONMENTAL HAZARDS

This product is toxic to fish, aquatic invertebrates, oysters and shrimp. 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 of Regional Office of the EPA.

STORAGE AND HANDLING

BIOCLEAR 2500 Antimicrobial is incompatible with many commonly used materials of construction such as steel, galvanized iron, aluminum, tin, and zinc. BIOCLEAR 2500 Antimicrobial can be stored and handled in baked phenolic-lined steel, polyethylene, stainless steel, or reinforced epoxy-plastic equipment. This product freezes at about 27 °F (-3 °C). Therefore, unless the storage tank is inside or underground, heating and insulation may be required. If heating is needed, exposure to high temperatures should be avoided. For short storage times (up to about 1 month), temperatures of up to 100 °F (37.8 °C) can be tolerated but the preferred maximum storage temperature is about 80 °F (26.7 °C). A stainless steel centrifugal pump is suggested for transfer service. Spiral-wound stainless steel with TEFLON® Polymer is suitable for gaskets and packing.

STORAGE AND DISPOSAL

PESTICIDE DISPOSAL: Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited. Pesticide wastes are 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 DISPOSAL

Non-refillable container: Do not reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or state and local authorities.
Refillable Container: Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning of the container is the responsibility of the person disposing of the container. Cleaning the container before refilling is the responsibility of the person refilling the container. To clean the container before final disposal, empty contents into application equipment and triple rinse. Pour or pump rinsate into application equipment or rinsate collection system. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or state and local authorities.

Manufactured [by] [for]:
THE LUBRIZOL CORPORATION
29400 Lakeland Blvd.
Wickliffe, OH 44092-2298

EPA Reg. No.: 59106-9
EPA Est. No.: 59106-PA-001

NET CONTENTS: GALLONS

First Aid

If swallowed:	<ul style="list-style-type: none"> ● Call a poison control center or doctor immediately for treatment advice. ● Do not induce vomiting unless told to do so by the poison control center or doctor. ● Do not give anything to drink.
If in eyes:	<ul style="list-style-type: none"> ● Hold eye open and rinse immediately and completely with water for at least 30 minutes. ● Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. Obtain prompt medical consultation. ● Call a poison control center or doctor for treatment advice.
If on skin or clothing	<ul style="list-style-type: none"> ● 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	<ul style="list-style-type: none"> ● Move person to fresh air. ● If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. ● Call a poison control center or doctor for further treatment advice.

HOT LINE NUMBER

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For emergency information call the National Pesticides Information Center at 1-900-858-7378, 6:30 AM to 4:30 PM Pacific Time (PT), seven days a week. During other times, call the poison control center at 1-800-222-1222.

DIRECTIONS FOR USE

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

WATER FLOODS

This product must be added to a drilling fluid system at a point of uniform mixing.

Initial treatment: When system is noticeably fouled add 97.8 to 4,892.4 ppm or 0.097 to 4.89 gallons of BioClear 2500 Antimicrobial per 1000 gallons of flood water. Repeat until control is achieved.

Subsequent treatment: When control is evident add 19.57 to 4,892.4 ppm or 0.0196 to 4.89 gallons of BioClear 2500 Antimicrobial per 1000 gallons of flood water. Repeat as needed depending on severity of contamination.

PACKER FLUIDS

This product must be added to a packer fluid at a point of uniform mixing such as a circulating holding tank. Add 48.92 to 587.1 ppm or 0.196 to 2.45 gallons of BioClear 2500 Antimicrobial per 100 barrels of fluid to a freshly prepared fluid, depending on the severity of contamination. Seal the treated packer fluid in the wall between the casing and production tube.

DRILLING, COMPLETION, AND WORKOVER FLUIDS

This product must be added to a drilling fluid system at a point of uniform mixing such as the circulating mud tank.

Initial treatment: Add 48.92 to 978.5 ppm or 0.196 to 3.91 gallons of BioClear 2500 Antimicrobial per 100 barrels of fluid to freshly prepared fluid depending on the severity of contamination.

Subsequent treatment: Maintain a of 48.92 to 978.5 ppm or 0.196 to 3.91 gallons of BioClear 2500 Antimicrobial per 100 barrels of fluid. Apply as needed depending on the severity of contamination.

FRAC FLUIDS

Add this product to the frac water storage tanks or directly into the well head injection pipeline as the water is being pumped down-hole.

Treatment Dosage: this product must be added at a rate of 97.8 to 4,892.4 ppm or 0.097 to 4.89 gallons of BioClear 2500 Antimicrobial per 1000 gallons of water depending on the severity of bacterial fouling of the source water.

GAS STORAGE WELLS AND SYSTEMS

Individual injection wells must be treated with a sufficient quantity of this product to produce a concentration of 489.2 to 4,892.4 ppm of BioClear 2500 Antimicrobial when diluted by the water present in the formation. Injection must take place before gas is injected

(during the summer). Injections must be repeated yearly, or as needed to maintain control. Individual drips must be treated with a sufficient quantity of this product to produce a concentration of 195.6 to 1956.9 ppm of BioClear 2500 Antimicrobial when diluted by the water present in the drip. Injections must be repeated yearly, or as needed to maintain control.

PIPELINE PIGGING AND SCRAPING OPERATIONS

Add this product to minimum amount of water immediately following the scraper and contained between the scraper and a trailing pig.. Add at a rate to produce a concentration of 978.5 to 9,784.7 ppm or 0.097 to 0.98 gallon of BioClear 2500 Antimicrobial per 100 gallons water, depending on the length of the pipeline and the severity of the contamination

HYDROTESTING

To hydro-test pipelines or vessels maintain a concentration of 97.8 to 3,913.9 ppm or 0.097 to 4 gallons of BioClear 2500 Antimicrobial per 1,000 gallons water, depending on water quality and length of time the equipment will remain idle.

AIR WASHERS AND INDUSTRIAL SCRUBBING SYSTEMS, RECIRCULATING COOLING AND PROCESS WATER SYSTEMS, SERVICE WATER, HEAT TRANSFER AND AUXILIARY SYSTEMS

This product may be used only in industrial air washers and air washer systems which have mist-eliminating components. Add BioClear 2500 Antimicrobial at the application rates described below, to a water treatment system at point of uniform mixing such as the basin area. Addition may be made intermittently or continuously. Badly fouled systems can be shock treated with BioClear 2500 Antimicrobial. Under these conditions, blowdown should be discontinued for up to 24 hours. BioClear 2500 Antimicrobial can be used in industrial process water systems that contain ultra-filtration units and non-medical reverse osmosis membranes (where approved for compatibility by the membrane manufacturer) and associated distribution systems.

INTERMITTENT (SLUG DOSE) METHOD

Initial Dose: When the system is noticeably fouled, apply 11.74 to 23.48 fluid ounces of BioClear 2500 Antimicrobial per 1,000 gallons of water in the system. Repeat until control is achieved.
Subsequent Dose: When microbial control is evident, add 4.7 to 11.74 fluid ounces of BioClear 2500 Antimicrobial per 1,000 gallons of water in the system weekly, 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, apply 11.74 to 23.48 fluid ounces of BioClear 2500 Antimicrobial per 1,000 gallons of water in the system.
Subsequent Dose: Maintain this treatment level by starting a continuous feed of 2.45 to 23.4 fluid ounces of BioClear 2500 Antimicrobial per 1,000 gallons of water in the system per day. Badly fouled systems must be cleaned before treatment is begun.

INDUSTRIAL WASTEWATER SYSTEMS

(Wastewater Systems, including reverse osmosis systems, Sludge and Holding Tanks)
BioClear 2500 Antimicrobial should be added to a wastewater system or sludge at a point of uniform mixing such as the digester. Add 5.28 to 27.4 fluid ounces (440.3 to 2,201.6 ppm) BioClear 2500 Antimicrobial per 100 gallons of wastewater or sludge.

AQUEOUS METALWORKING FLUIDS:

Add BioClear 2500 Antimicrobial to metalworking fluid systems at a point of uniform mixing such as the fluid collection tank.
Initial Dose: When the system is noticeably fouled add 195.6 to 587.1 ppm or 25 to 75 fluid ounces of BioClear 2500 Antimicrobial per 1000 gallons of metalworking fluid. Repeat until control is achieved.

Subsequent Dose: When microbial control is achieved, add 78.2 to 391.4 ppm or 10 to 50 fluid ounces of BioClear 2500 Antimicrobial per 1000 gallons of metalworking fluid to the system weekly or as needed to maintain control. Badly fouled systems should be cleaned before treatment begins.

NOTIFICATION

59106-9

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:

Label Date: 1-1-2016

2/8/2016