UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

May 02, 2018

Patti Golick
Regulatory Specialist
Troy Chemical Corporation
c/o Troy Corporation
8 Vreeland Road
Florham Park, N.J. 07932

Subject: Label Amendment – Adding re-dosing statement to the master label.
Product Name: MERGAL® 530
EPA Registration Number: 5383-154
Application Date: February 01, 2018
Decision Number: 538116

Dear Ms. Golick:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

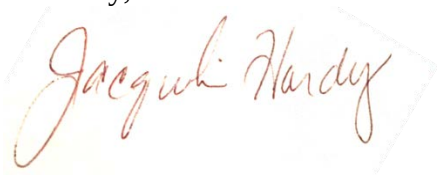
A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or 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 its implementing regulation at 40 CFR 152.3.

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.

Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. If you have any questions, please contact Lorena Rivas by phone at 703-305-5027, or via email at rivas.lorena@epa.gov.

Sincerely,



Jacqueline Hardy, Product Manager (34)
Regulatory Management Branch II
Antimicrobials Division (7510P)

Enclose: Approved stamped label

ACCEPTED
05/02/2018
Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under
EPA Reg. No. 5383-154

MERGAL® 530

A Microbiocidal Bactericide, Fungicide, Algaecide and Slimicide Used in Treating Recirculating Cooling Water in Industrial Cooling Systems, Paper Mills, Brewery Pasteurizer Water, Metalworking Cutting Fluids, Non-Potable Reverse Osmosis Systems, Enhanced Oil Recovery Systems, Industrial Preservation Applications and Publicly Owned Treatment Works.

EPA Reg. No. 5383-154
EPA Est. No. 5383-NJ-1

ACTIVE INGREDIENT:
2,2-Dibromo-3-nitrilopropionamide: 20.0%
INERT INGREDIENTS: 80.0%
TOTAL:.....100.0%

KEEP OUT OF REACH OF CHILDREN

DANGER

FOR INDUSTRIAL USE

See Side Panel for Additional Precautionary Statements

IN CASE OF EMERGENCY: CALL CHEMTREC 1-800-424-9300

Produced For:, Manufactured For:, Sold by:

TROY CHEMICAL CORPORATION
One Avenue L, Newark, N.J. 07105

Net Weight:

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER

Corrosive: Causes irreversible eye damage. Causes skin burns. May be fatal if swallowed. Harmful if inhaled or absorbed through skin. Do not get in eyes, on skin or on clothing. Prolonged or repeated skin contact may cause allergic reactions in some individuals. Use with adequate ventilation. Wash thoroughly with soap and water after handling and before eating, drinking, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

PERSONAL PROTECTIVE EQUIPMENT (PPE):
Applicators and other handlers must wear: Coveralls worn over long sleeved shirt and long pants. Chemical resistant footwear plus socks. Goggles or face shield. Chemical resistant gloves (such as barrier laminate, butyl rubber, neoprene rubber, nitrile rubber polyvinyl chloride (PVC and viton).
For Mixing/Loading: Wear a chemical resistant apron For cleaning equipment: Wear a chemical resistant apron.
Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions exist for washables use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFEETY REQUIREMENTS
User must wash hands before drinking, chewing gum, using tobacco, or using the toilet. Users must remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Users must remove personal protective equipment immediately after handling this product. Wash outside of gloves before removing. As soon as possible wash thoroughly.
General Precautions and Restrictions: Do not apply this product in a way that will contact workers or other persons.

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 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.
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 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.

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.

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ENVIRONMENTAL HAZARDS
This product is toxic to fish and aquatic organisms. Do not contaminate water by cleaning of equipment and disposal of waste. 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.

CHEMICAL AND PHYSICAL HAZARDS
Reaction with strong reducing agents may be explosive. Avoid misting.

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.**
Mergal®530 is a microbiocide that is effective against bacteria, fungi, algae and slime. It is used as an industrial microbiocide for Industrial **Cooling Systems, Paper Mills, Brewery Pasteurizer Water, Metalworking Cutting Fluids, Non-Potable Reverse Osmosis Systems, Enhanced Oil Recovery Systems, Industrial Preservation Applications and Publicly Owned Treatment Works.**
Add Mergal 530 separately to the system. Do not mix it with other additives, so as to avoid decomposition of Mergal 530 due to the high pH of many additive formulations. Mergal 530 may be added by the intermittent or slug method or by continuous feed for many end uses. Addition must be via a metering pump.
Mergal 530 can only be used for the production of non-food contact paper from use in pulp and papermills.
See attached Product Information Sheet for directions for use details and use rates for all applications. Use rates are provided, but laboratory/field trials are suggested in order to determine the most appropriate rate of use within the range specified on this label.

STORAGE AND DISPOSAL
Do not contaminate water, food, or feed by storage or disposal.
STORAGE: Store in a dark, cool, dry well-ventilated area, not above 104°F (40°C) in well-closed containers, away from energy sources, combustible organic materials, oxidizers and moisture.
DISPOSAL: Pesticide wastes are acutely hazardous. Open dumping is prohibited. 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: Non-refillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a 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. Empty rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration.
SPILLS: When handling or dealing with spills, use impact-resistant goggles with side shields, or face shield; wear body-covering clothes, including impervious rubber gloves and boots; use a respirator if misting occurs. Cover wet spills with 10% sodium bicarbonate solution, water and then an inert absorbent before sweeping up and disposing as described for pesticide disposal. If drum contents are contaminated or decomposing, isolate unsealed drum in the open or in a well-ventilated area: flood with 10% sodium bicarbonate solution and large volumes of water if necessary.

Product Information Sheet

MERGAL®530, EPA Reg. No. 5383-154

This document must accompany each shipment of MERGAL 530

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.**

Industrial Recirculating Cooling Water in Industrial Cooling Systems:

Note: Add MERGAL 530 separately to the system. Do not mix it with other additives, so as to avoid decomposition of MERGAL 530 due to the high pH of many additive formulations. Add MERGAL 530 to the basin (or any other point of uniform mixing). Addition must be made via a metering pump; it may be continuous or intermittent, depending on the severity of the contamination when treatment is begun, and the in-system retention time. Optimum performance with this product is achieved by continuous or intermittent treatment. If "shock" treatment is used, the blow down must be discontinued for 24-48 hours.

For Control of Bacteria:
Add 0.00095-0.0095 gallons of MERGAL 530 / 1000 gal. of water in the system depending on the severity of contamination.

Intermittent or Slug Method:
Initial Dose: When the system is noticeably fouled, add 0.0048-0.0095 gal. of MERGAL 530/ 1000 gal. of water in the system. Repeat until control is achieved.
Subsequent Dose: When microbial control is evident, add 0.0024-0.0095 gal. of MERGAL 530/ 1000 gal. 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 gal. of MERGAL 530/ 1000 gal. of water in the system.
Subsequent Dose: Maintain this level by pumping a continuous feed of 0.00095-0.0048 gal. of MERGAL 530 / 1000 gal. of water in the system lost by blow down. Badly fouled systems must be cleaned before treatment is begun.

For Control of Fungi and Algae:
Add 0.029-0.095 gallons of MERGAL 530 / 1000 gal. of water in the system, depending on the severity of contamination.

Intermittent or Slug Method:
Initial Dose: When the system is noticeably fouled, add 0.048-0.095 gal. of MERGAL 530 / 1000 gal. of water in the system. Repeat until control is achieved.
Subsequent Dose: When microbial control is evident, add 0.029-0.095 gal. of MERGAL 530 / 1000 gal. of water in the system daily, 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 gal. of MERGAL 530 / 1000 gal. of water in the system.

Subsequent Dose: Maintain this treatment level by pumping a continuous feed of 0.029-0.095 gal. of MERGAL 530 / 1000 gal. of water in the system per day. Badly fouled systems must be cleaned before treatment is begun.

Non-Potable Reverse Osmosis Systems:

For controlling bacteria, fungi and algae slimes in non-potable Reverse Osmosis systems and peripheral equipment, add MERGAL 530 to the system inlet water or before any other contamination area ahead of the Reverse Osmosis unit. MERGAL 530 must be added with a metering pump on an intermittent basis depending on the severity of contamination and the guidelines specified by the membrane manufacturer for MERGAL®530. Add MERGAL 530 at the rate of 0.01 to 1.0 lbs. (1 to 120 ppm) per 1000 gal. of feed water. During use of MERGAL 530 both permeate and reject waters must be directed to the drain. Once treatment is completed, rinsing with feed water must continue until conductivity values in the permeate are at or below values before treatment with MERGAL 530. Badly fouled systems must be cleaned before treatment is begun.

For Control of Bacteria:

Initial Dose: When the system is noticeably fouled, add MERGAL 530 at the rate of 0.05 to 0.1 lb. (6 to 12 ppm) per 1000 gal. of feed water. Minimum treatment intervals must be 15 minutes. Repeat until control is achieved or as specified by guidelines recommended by the membrane manufacturer.

Subsequent Dose: When microbial control is achieved, add MERGAL 530 at the rate of 0.025 to 0.1 lb. (3 to 12 ppm) per 1000 gal of feed water as needed to maintain control or as specified by guidelines recommended by the membrane manufacturer.

For Control of Fungi and Algae:

Initial Dose: When the system is noticeably fouled, add MERGAL 530 at the rate of 0.5 to 1.0 lb. (60 to 120 ppm) per 1000 gal of feed water. Minimum treatment intervals must be 15 minutes. Repeat until control is achieved or as specified by guidelines recommended by the membrane manufacturer.

Subsequent Dose: When microbial control is achieved, add MERGAL 530 at the rate of 0.3 to 1.0 lb. (36 to 120 ppm) per 1000 gal of feed water as needed to maintain control or as specified by guidelines recommended by the membrane manufacturer.

Metalworking Fluids Containing Water:

MERGAL 530 is effective in metalworking fluid concentrates which have been diluted in water at ratios of 1:100 to 1:4. For controlling (or inhibiting) the growth of bacteria, fungi and yeasts that may deteriorate metalworking fluids containing water, add this product to the fluid in the collection tank. Additions must be made with a metering pump.

Initial or Slug Dose: When the system is noticeably fouled, add MERGAL 530 at the rate of 0.25 gal (2.65 lbs.) per 1000 gal. of metalworking fluid in the system. Repeat until control is achieved.

Subsequent Dose: When microbial control is evident, add MERGAL 530 at the rate of 0.1 to 0.2 gal. (1.06 to 2.12 lbs.) per 1000 gal. of metalworking fluid per day, or as needed to maintain control. Additions of MERGAL 530 product can be made continuously or intermittently. Slug the system as required.

Enhanced Oil Recovery Systems:

NOTE: Add MERGAL 530 separately to the system. Do not mix it with other additives, so as to avoid decomposition of MERGAL 530 due to the high pH of many additive formulations. Addition of MERGAL 530 may be made at the free water knockouts, before or after the injection pumps and injection well headers. 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 1-80 ppm MERGAL 530 (0.1- 6.4 gal. of MERGAL 530 per 2400 barrels of water) depending on the severity of contamination. Additions must be made with a metering pump either continuously or intermittently.

Continuous Feed Method:

When the system is noticeably fouled, add 10-80 ppm MERGAL 530 (0.8-6.4 gal. of MERGAL 530 per 2400 barrels of water) continuously until the desired degree of control is achieved. Subsequently, treat with 1-15 ppm MERGAL 530 (0.1-1.2 gal. of MERGAL 530 per 2400 barrels of water) 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 10-80 ppm MERGAL 530 (0.8-6.4 gal. of MERGAL 530 per 2400 barrels of water) intermittently for 4-8 hours per day and from 1-4 times per week, or as needed depending on the severity of contamination.

Note: For control of bacteria, yeast, and fungi in aqueous solutions of biopolymer used in flooding operations, add 15-80 ppm MERGAL 530 (1.2-6.4 gal. of MERGAL 530 per 2400 barrels of water). Additions of MERGAL 530 must be made with a metering pump immediately after preparation of the aqueous biopolymer solution to reduce loss of viscosity.

Oilfield and Petrochemical Systems:

MERGAL 530 may be used either in slug treatment or in continuous application. Dosages may vary from as much as 200 ppm of MERGAL 530 in slug application to 10 to 50 ppm of MERGAL 530 in continuous treatment (1/4 pint MERGAL 530 per 1,000 gal. of water equals approximately 30 ppm). A typical slug treatment is to add 1 pint of MERGAL 530 per 1,000 gal. at intervals as needed to prevent growth of microbial slime. Badly fouled systems may be slug treated to establish control, followed by continuous treatment to maintain control.

Industrial Preservation:

MERGAL 530 may be used to reduce microbiological contamination in raw materials and/or products such as: aqueous paints and coatings, polymers, slurries, adhesives, latex and resin emulsions, sizing, caulk, process water, along with specialty industrial products including: inks, polishes, waxes, detergents, and cleansers (**non-food uses only**). Add 25-2000 ppm by weight (2.8-224 fl. Oz.) per 1000 gals. or 21.4-1712 ml. per 1000 liters.

Pulp and Paper Mill Systems:

NOTE: Add MERGAL 530 separately to the system. Do not mix it with other additives, so as to avoid decomposition of MERGAL 530 due to the high pH of many additive formulations. For the control of slime-forming bacterial, fungal, and yeast growth in pulp, paper and paperboard mills add MERGAL 530 at levels of 0.15-0.50 lb./ ton (dry) of pulp or paper produced. Addition can be continuous or intermittent, depending upon the type of system and the severity of contamination. Addition is via a metering pump at a point in the system that will ensure uniform distribution of MERGAL 530 in the mass of fiber and water, such as the beaters, Jordan inlet or discharge, broke chests, furnish chests, save-alls and white-water tanks.

Heavily fouled systems must first be boiled out, then treated with 0.15-0.35 lb. of MERGAL 530/ ton (dry) of paper or pulp as necessary for control.

Moderately fouled systems must be treated continuously with 0.35-0.50 lb. of MERGAL 530/ ton (dry) of paper or pulp until the slime accumulation is controlled. Subsequent rates can then be reduced to 0.15-0.35 lb. of MERGAL 530 / ton (dry) 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 may be advisable.

Slightly fouled systems must be treated continuously with 0.15-0.35 lb. of MERGAL 530 / ton (dry) of paper or pulp, until the slime is controlled, then added on an intermittent basis to maintain control.

Mergal 530 can only be used for non-food contact paper use.

Air-Washer Systems:

Add 0.0015-0.095 gallons MERGAL 530 / 1000 gal of water in the system, depending on the severity of contamination, to control slime-forming bacteria and fungi in industrial air washing systems.

Intermittent or Slug Method:
Initial Dose: When the system is noticeably fouled, add 0.003-0.095 gal. MERGAL 530 / 1000 gal. of water in the system. Repeat until control is achieved.
Subsequent Dose: When microbial control is evident, add 0.0015-0.047 gal MERGAL 530 / 1000 gal. of water in the system every 2 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 0.003-0.095 gal MERGAL 530 / 1000 gal. of water in the system.
Subsequent Dose: Maintain this level by pumping a continuous feed of 0.0015-0.047 gal. MERGAL 530 / 1000 gal. of water in the system per day. Badly fouled systems must be cleaned before treatment is begun.
NOTE: For use only in industrial air-washer systems that maintain effective mist eliminating components.

Publicly Owned Treatment Works:

To control Coliform and Other Bacteria:
Add MERGAL 530 at a concentration of 1.0 to 10.0 ppm by weight of water being treated, depending on the severity and contamination in the system. Addition must be CONTINUOUS and must be made with a metering pump at a point in the system where mixing will be rapid and thorough. Add MERGAL 530 to the system in a location where contact time will be 30 minutes or greater before reaching the outfall.

Co-treatment with Chlorine:
Add 0.4 - 1.5 ppm MERGAL 530 by weight of water treated. Chlorination must result in a minimum detectable residual (i.e., greater than zero but less than the NPDES permit level) Addition must be CONTINUOUS and made at a point just after initial chlorine mixing. Rapid mixing is necessary for maximum effectiveness. MERGAL 530 must be added at a location where a contact time of 10 minutes or longer will be provided before reaching the outfall.

Equipment Cleaning:

MERGAL 530 can be used to kill microorganisms present in solution or growing on the surfaces of process equipment such as reaction vessels, storage tanks and containers, piping and hoses. **Mergal 530 cannot be used for cleaning food/beverage processing equipment**. For standard cleaning of equipment, add 50 to 250 ppm by weight MERGAL 530 in an aqueous solution, to process piping and equipment. Heavily fouled solutions or equipment may be treated with up to 2000 ppm of MERGAL 530. After treating process equipment with MERGAL 530, allow the MERGAL 530 solution to be in contact with surfaces for up to four hours. If bleach is being used for cleaning purposes at 50-250 ppm available chlorine, MERGAL 530 can be used as part of a dual treatment program at a 50-100 ppm by weight, in combination with sodium hypochlorite. Treat process equipment with chlorine first. Follow this treatment with this MERGAL 530. Do not combine concentrated sodium hypochlorite solution with MERGAL 530.

SUPPLEMENTAL DOSING:
Depending on the nature/severity of the contamination, if analysis indicates a loss of active ingredient(s) and further microbial control is necessary, product may be dosed with additional [Insert Product Name] microbiocide at a level to ensure that the final use-dilution product will not exceed the maximum concentration indicated (max dosage level ppm Insert Product Name).