



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

March 15, 2017

Maureen Miksztal
Senior Regulatory Manager
Troy Corporation
8 Vreeland Road
Florham Park, NJ 07932

Subject: Label Amendment – Expanding use site directions
Product Name: Mergal MC14
EPA Registration Number: 5383-141
Application Date: 2/24/17
Decision Number: 526693

Dear Ms. Miksztal:

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

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with FIFRA section 6. If you have any questions, you may contact Aline Heffernan at 703-347-8602 or via email at heffernan.aline@epa.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "John Hebert" with a stylized flourish at the end.

John Hebert, Chief
Regulatory Management Branch I
Antimicrobials Division (7510P)
Office of Pesticide Programs

Enclosure: Stamped Label

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

DANGER

Corrosive. Causes irreversible eye damage and skin burns. May be fatal if absorbed through skin or swallowed. May cause allergic reaction. Harmful if inhaled. Do not get in eyes, on skin or on clothing. Wear goggles or face shield, chemical resistant gloves and chemical resistant apron. Mixers, loaders and others exposed to this product must wear: long-sleeved shirt and long pants. Discard clothing or other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry. 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. **This product may cause skin sensitization in some people.**

FIRST AID	
IF IN EYES:	<ul style="list-style-type: none"> 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. Call a poison control center or doctor for treatment advice.
IF ON SKIN:	<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 mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.
IF SWALLOWED:	<ul style="list-style-type: none"> 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.
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. Measures against circulatory shock, respiratory depression and convulsion may be needed.	

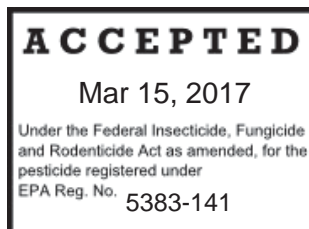
MERGAL® MC14

Microbiocide for Use in Adhesives, Air Washer Systems, Building Materials Fuels, Brewery Pasteurizer and Can Warmer Systems, Conveyor Lubricants, Dispersed Pigments, Industrial Process Water Systems, Metalworking Fluids, Oilfield Injection Waters, Paper mills, Paints and Coatings, Lattices, Slurries, Recirculating Water Cooling Towers and Closed Loop Water Systems, Slurries, Ultra Filtration Units, and In-container Preservation, Wood and Wood Products.**

[**Not approved for this use in the State of California]

EPA Reg. No.	5383-141
EPA Establishment Number	5383-NJ-001

ACTIVE INGREDIENTS: % Weight
5-Chloro-2-methyl-4-isothiazolin-3-one 11.1%
2-Methyl-4-isothiazolin-3-one 3.5%
INERT INGREDIENTS **85.4%**
TOTAL **100.0%**



KEEP OUT OF REACH OF CHILDREN

DANGER

SOLD FOR INDUSTRIAL USE

See Side Panel for Additional Precautionary Statements

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

Net Weight:

**Produced For / Manufactured for:
Troy Chemical Corporation
One Avenue L, Newark, N.J. 07105**

POLYPHASE® and MERGAL® are registered trademarks

ENVIRONMENTAL HAZARDS

This chemical is toxic to aquatic plants, fish and aquatic invertebrates. 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.

DIRECTIONS FOR USE

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

Industrial Microbiocide for use in the commodities listed below:

- Adhesives and Tackifiers
- Air Washer Systems
- Brewery Pasteurizer and Can Warmer Systems**
- Conveyor Lubricants
- Building Materials (stuccos, cement admixtures, gypsum board)
- Dispersed Pigments (used in paints & coatings, paper production)**
- Fuel Preservation**
- In-Can Preservation for Industrial and Household Consumer Products (air fresheners/deodorizers, car washes/waxes, floor cleaners/waxes, foam control products**/liquid detergents, laundry detergents, polishes/waxes)
- Industrial Process Water Systems:**: Retort, Industrial Scrubbing, Evaporative Condenser, Hydrostatic Sterilizer, and Coal Slurry
- Metal working Fluids
- Oilfield Injection Waters
- Lattices (acrylic, styrene-butadiene, carboxylated, ethylene/vinyl acetate, biopolymers)
- Paints and Coatings
- Papermills
- Recirculating Electrodeposition Systems (paints, photoplating)
- Recirculating Cooling Waters and Systems
- Slurries**
- Ultrafiltration Units**
- Wood and Wood Products

[**Not registered for use in State of California]

Not to be used in pesticidal formulations which come into contact with food.

See accompanying product information sheet for full description of rates and directions for use.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

PESTICIDE STORAGE: Store in original container.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticides, 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 (or equivalent). Then offer for recycling or reconditioning if available, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.



Product Information Sheet
MERGAL MC14, EPA Reg. No. 5383-141

This document must accompany each shipment of MERGAL MC14

DIRECTIONS FOR USE

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

Preservative for Adhesives/Tackifiers: For control of bacteria in water soluble and water dispersed adhesives such as animal and vegetable glues, PVA, styrene-butadiene and acrylic lattices. Add 0.06 – 0.22 lb. MERGAL MC14 (25 – 102 g) to each 1000 lb. of fluid to provide 8.0 – 32 ppm of active ingredient. Higher levels (up to 45 ppm) active ingredient may be required for products stored under high heat and/or humidity conditions.

Air Washer Systems: For use only in industrial air washing systems that maintain effective mist eliminating components. Add 0.3 to 7.6 lb. of MERGAL MC14 to 100 gallons of water (3.5 ppm to 89.8 ppm MERGAL MC14) in the air washer sump, or chill water sump to ensure uniform mixing, for the control of bacteria, fungi and algae. A repeat treatment may be needed depending on the severity of contamination.

Brewery Pasteurizer and Can Warmer Systems:** Add 0.3 to 1.89 lb. of MERGAL MC14 to 100 gallons of water in the system weekly or as needed to maintain control of bacteria, fungi and algae. For noticeably fouled systems, an initial treatment with 1.27 to 7.6 lb. of MERGAL MC14 per 100 gallons of water may be needed depending on the severity of the fouling.

Building Materials (stuccos, cement admixtures, gypsum board): For control of bacteria, add 0.05 – 0.225 lb. MERGAL MC14 to each 1000 lb. of fluid to provide 7 – 32 ppm of active ingredient.

Conveyor Lubricants: MERGAL MC14 is recommended for the control of bacteria and fungi in the manufacture and use of water-based conveyor lubricants. MERGAL MC14 should be dispensed into the conveyor lubricant concentrate and uniformly dispersed throughout the fluid or dispensed into the conveyor lubricant use- dilution feed line using a metering pump and uniformly sprayed onto the conveyor. MERGAL MC14 should be added to the conveyor lubricant concentrate at a level to ensure that the final use-dilution shall contain 20 - 102 ppm of MERGAL MC14 (3 -15 ppm active ingredient). Grossly contaminated systems must be cleared before treatment is begun.

Initial Dose: For a noticeably fouled system, meter in 8.4 pounds (128 fluid ounces) of MERGAL MC14 per 100 gallons of use-dilution conveyor lubricant. If necessary, continue metering 3.3-8.4 pounds (50-128 ounces) of MERGAL MC14 per 100 gallons of conveyor lubricant until control is achieved and only to maintain the level of MERGAL MC14 in the final use-dilution fluid at 40.5 – 101 ppm (6-15 ppm active ingredient).

Subsequent Dose: After establishing microbial control or to prevent fouling of a clean system, maintain the system at 3-15 ppm active ingredient by metering 1.7-8.4 pounds (26-128 ounces) of MERGAL MC14 per 100 gallons of conveyor lubricant.

Dispersed Pigments: For control of bacteria in the manufacture and storage of dispersed pigments (e.g. kaolin clay, montmorillonite clay, titanium dioxide, calcium carbonate, calcium or barium sulfate, silicate) used in paint and coatings and paper production. Add 0.06 – 0.225 lb. MERGAL MC14 to each 1000 lb. of fluid to provide 8.0 – 32 ppm active ingredient.

Not registered for use in the State of California.

Fuel Preservation: Add 0.05 – 0.225 lb. MERGAL MC14 to each 1000 lb. of fluid to provide 7 – 32 ppm of active ingredient. **Not registered for use in the State of California.**

In-Can Preservation for Industrial and Household Consumer Products: (air fresheners/deodorizers, car washes/waxes, floor cleaners/waxes, liquid detergents, laundry detergents, polishes/waxes) For control of bacteria, add 0.06 – 0.225 lb. MERGAL MC14 to each 1000 lb. of fluid to provide 8.0 – 32 ppm active ingredient. A higher dosage rate providing up to 45 ppm active ingredient may be required for high temperature and humidity conditions. **Not to be used in pesticidal formulations which come into contact with food.**



Product Information Sheet

MERGAL MC14, EPA Reg. No. 5383-141

This document must accompany each shipment of MERGAL MC14

****Preservative for Foam Control Products:** MERGAL MC14 is recommended as an in-container preservative for the control of bacteria and fungi in foam control products. Add 0.5 to 3.3 lb. (227 g to 1.52 kg) of MERGAL MC14 to each 100 lb. (45.4 kg) of aqueous product to provide 7 ppm to 50 ppm active isothiazolinones.

****Industrial Process Water:** MERGAL MC14 is recommended for the control of bacteria, fungi and algae in industrial process water systems including Retort Water Systems, Industrial Scrubbing Systems, Evaporative Condenser Water Systems, Hydrostatic Sterilizer Water Systems, and Coal Slurry Systems. It should be added at a point to ensure uniform mixing. Add 0.3 to 1.89 lb. of MERGAL MC14 per 100 gallons of water (3.5 to 22.3 ppm MERGAL MC14) weekly as needed for maintenance. For noticeably fouled systems, use an initial dose of 1.27 to 7.6 lb. of MERGAL MC14 per 100 gallons of water. Repeat if necessary to achieve control.

Metalworking Fluids: For control of bacteria in soluble and emusifiable type aqueous fluids and emulsions add 3.5 fluid ounces (0.3 lb.) per 1000 gallons every four weeks or 3.5 – 16 fluid ounces (0.3 – 1.3 lb.) per 1000 gallons of emulsion for maintenance of the system. Higher rates and frequency of use may be required depending on the conditions of use, level of control desired, and system design. MERGAL MC14 should be added using a metering pump and mixed throughout the system.

Oilfield Injection Waters: For control of bacteria, slug treat with 7 – 36 ppm MERGAL MC14 depending on the severity of contamination. Initial dose: Add 14 – 28 ppm MERGAL MC14 (0.57 – 1.2 gallon or 6.2 – 12.5 lb. MERGAL MC14 per 1000 barrels of water) at a point in the system where it will be uniformly mixed and dispersed. Repeat treatment after three days or as needed until control is achieved. Subsequent Dose: Add 5.5 – 14 ppm MERGAL MC14 (0.22 – 1.2 gallon or 2.4 – 6.2 lb. MERGAL MC14 per 1000 barrels of water) every seven days or as need for control.

Lattices: For control of bacteria, add 0.06 – 0.45 lb. (25 – 205 g) of MERGAL MC14 to each 1000 lb. of emulsion to provide 8 – 63.5 ppm active ingredient. May be added to concentrates of these products which are diluted to a final concentration of not more than 63.5 ppm active ingredient.

Paint and Coatings: For control of bacteria, add 0.06 – 0.225 lb. MERGAL MC14 to each 1000 lb. of fluid to provide 8.0 – 32 ppm active ingredients. A higher dosage rate providing up to 45 ppm active ingredients may be required for high temperature and humidity conditions.

Papermills: For control of bacteria, add MERGAL MC14 to the Beater, Hydropulper or Fan or Broke storage pumps to ensure thorough mixing. Add 0.05 – 0.15 lbs. of MERGAL MC14 per ton (dry basis) of pulp or paper produced as a slug dose. Repeat as often as necessary to ensure control.

Recirculating Electrode Systems (electrophoretic systems) For control of bacteria in fouled systems add 71 – 245 ppm MERGAL MC14 (0.7 – 2.5 gallons per 10,000 gallons of fluid in the system) which will provide 10 – 35 ppm of active ingredient. Repeat until control is achieved. For maintenance use 0.35 – 1.0 gallons per 10,000 gallons of fluid in the system) weekly or as needed.

Industrial Recirculating Closed Loop Water Cooling Systems: Add 0.3 to 1.89 lb. of MERGAL MC14 per 100 gallons of water in the system weekly to maintain control of bacteria, fungi and algae in the reservoir, recirculating line or some other point to ensue uniform mixing. For noticeably fouled systems, an initial treatment with 1.27 to 7.6 lb of MERGAL MC14 per 100 gallons of water may be needed depending on the severity of the fouling.



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Industrial Recirculating Water Cooling Towers: MERGAL MC14 is recommended for the control of bacteria, fungi and algae. It should be added to the tower basin or some other point to ensure uniform mixing. Add 0.3 to 1.89 lb. of MERGAL MC14 per 100 gallons of water (3.5 to 22.3 ppm MERGAL MC14) weekly as needed for maintenance. For noticeably fouled systems, use an initial dose of 1.27 to 7.6 lb. of MERGAL MC14 per 100 gallons of water. Repeat if necessary to achieve control.

****Ultra Filtration Units, such as Reverse Osmosis Membranes:** MERGAL MC14 is recommended for the control of bacteria and fungi in ultra filtration units, such as reverse osmosis membranes. Add 1.0 to 33.8 ppm of MERGAL MC14 (0.15 to 5 ppm active ingredient) into industrial ultra filtration or reverse osmosis membranes by either continuous feed or periodic injection. Compatibility of MERGAL MC14 with reverse osmosis membranes should be confirmed with membrane manufacturers. For the control of bacteria and fungi in carbon beds, add 1.0 to 33.8 ppm of MERGAL MC14 (0.15-5 ppm active ingredient). For periodic membrane cleaning, add 0.4 – 1.0 lb. of MERGAL MC14 to every 12.0 gallons of cleaning solution (6 – 15 ppm active ingredient). Badly fouled systems should be cleaned before treatment is begun.

[**Not registered for use in the State of California]

Slurries: Add 0.06 – 0.225 lb. MERGAL MC14 to each 1000 lb. of fluid to provide 8.0 – 32 ppm active ingredient. **Not registered for use in the State of California.**

Wood and Wood Products: MERGAL MC14 is recommended for the protection of wood and wood products such as landscape timbers, fences, posts, pilings, cross ties, decks and similar exterior structures, from mold and mildew. Treat pressure-treatment solution with 0.027 – 0.086 gallons (3.4 – 11 fluid ounces) per 1000 gallons of solution (4.0 – 12.6 ppm active isothiazolones) in the pressure treating process for mold and mildew control. Under extreme mildew conditions, use up to a maximum concentration of 48 ppm active isothiazolones (up to 33 fluid ounces per 1000 gallons of treatment solution). This application will afford protection up to 12 weeks and during repeated use of solution. May be used at higher concentrations so long as the end use product/article contains a maximum concentration of 48 ppm active isothiazolones.

For control of blue stain, mold and decay of freshly cut lumber and logs: treat lumber immediately after it is sawn. Freshly dipped or sprayed lumber must be protected from rain. Dip tanks and aprons must be roofed, paved and drained to prevent dilution and loss of stain solution. Antisapstain treatment concentrations must be geared to achieve protection of the thickest or most valuable item being treated. The concentration of the ready to use antisapstain solution must be adjusted to accommodate seasonal changes in the exposure and species being treated. Dip tanks and spray equipment and metering equipment must be properly maintained. Mix one gallon of this product per 350 gallons of water. Lumber and logs must be totally immersed or sprayed to ensure all surfaces are treated. Ensure good mixing prior to and during the treatment process.

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

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