

2019-2362  
2020-11-04

MERGAL® MC14  
MICROBIOCIDIC  
**Material Preservative  
Solution**

COMMERCIAL

READ THE LABEL BEFORE USING

ACTIVE INGREDIENT:

5-Chloro-2-methyl-4-isothiazolin-3-one .....	10.90%
2-Methyl-4-isothiazolin-3-one .....	3.80%

REGISTRATION NO. 31233  
PEST CONTROL PRODUCTS ACT

DANGER



POISON

CORROSIVE

POTENTIAL SKIN SENSITIZER

Net Contents: 240 TO 1050 Kg

Troy Chemical Corporation  
One Avenue L  
Newark, N.J. 07105  
973-589-2500  
In Canada (Phone): 1-905-760-7902

Mergal is a registered trademark of Troy Corporation

**PRECAUTIONS**  
**KEEP OUT OF REACH OF CHILDREN**  
PREVENT ACCESS BY UNAUTHORIZED PERSONNEL

Danger. Corrosive to eyes and skin. Potential skin sensitizer. May cause allergic skin reaction. May be fatal if inhaled. Fatal or poisonous if swallowed or absorbed through the skin. Do not get in eyes, on skin, or on clothing. Do not swallow. Avoid breathing vapors and spray mists. Wash skin thoroughly with soap and water after handling. Remove contaminated clothing immediately, wash skin thoroughly with soap and water, and put on clean clothing. Wash contaminated clothing separately from other laundry before reuse. Discard clothing or other absorbent materials that have been drenched or heavily contaminated with this product.

Users should remove personal protective equipment immediately after handling this product. Wash the outside of gloves before removing. Follow manufacturer's instructions for cleaning /maintaining personal protective equipment. If no such instructions for washables exist, use detergent and hot water. Keep and wash personal protective equipment separately from other laundry. Wear chemical-resistant coveralls over a long-sleeved shirt, long pants, chemical-resistant gloves, socks, chemical-resistant footwear and a full-face respirator with a NIOSH-approved organic-vapour-removing cartridge with a prefilter approved for pesticides, or a NIOSH-approved canister approved for pesticides, during mixing, loading, application, clean-up and repair.

**DISPOSAL**

1. Triple or pressure rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Follow provincial instruction for any required additional cleaning of the container prior to its disposal.
3. Make the empty container unsuitable for further use.
4. Dispose of the container in accordance with provincial requirements.
5. For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean up of spills.

**STORAGE:** Store in original container in a cool, dry well-ventilated area. To prevent contamination store this product away from food or feed.

**FIRST AID**

**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 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 by mouth-to-mouth, if possible. Call a poison control centre or doctor for further treatment advice.

Take container, label or product name and Pest Control Product Registration number with you when seeking medical attention.

### **TOXICOLOGICAL INFORMATION**

Material is corrosive. It may not be advisable to induce vomiting. Possible mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsions may be necessary.

### **ENVIRONMENTAL PRECAUTIONS**

This product is toxic to fish and other aquatic organisms. It is not to be used in circumstances that would cause or allow it to enter lakes, streams, ponds, estuaries, oceans or other waters in contravention of federal or provincial regulatory requirements. The requirements of applicable laws should be determined before using the product. Do not contaminate water by cleaning of equipment or disposal of waste.

### **DIRECTIONS FOR USE**

***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 43 to 340 g Mergal MC14 Microbiocide to each 1000 kg of fluid to provide 6.25- 50 ppm of active ingredient. Higher levels (up to 50 ppm) active ingredient may be required for products stored under high heat and/or humidity conditions. To insure uniform distribution and prevent any possible localized physical reaction or shock to the latex, dilute 1 part of this product with 9 parts water and slowly dispense into the latex with agitation. The actual concentration of this product required will depend upon such factors as the specific latex, frequency of repeated microbial contamination expected, and level of protection required.

***Building Materials (stuccos, cement admixtures):*** Add 43 to 340 g Mergal MC14 Microbiocide to each 1000 kg of fluid to provide 6.25- 50 ppm of active ingredient.

***Fuel Preservation:*** For control of bacteria and fungi in liquid hydrocarbon fuels and oils such as liquefied petroleum gases, aviation fuels, petrochemical feedstocks, kerosene, heating oils, diesel fuels, residual fuel oils and coal slurries. Add 10 to 31 g Mergal MC14 Microbiocide to each 1000 kg of fluid to provide 1.5-4.5 ppm of active ingredient.

**Dispersed Pigments:** For control of bacteria in dispersed pigments (e.g. kaolin clay, montmorillonite clay, titanium dioxide, calcium carbonate, calcium or barium sulfate, silicate) used in paint and coatings add 43 to 340 g Mergal MC14 Microbiocide to each 1000 kg of fluid to provide 6.25- 50 ppm active ingredient.

**Metal-working Fluids:** For use in soluble and emulsifiable type aqueous fluids and emulsions. Add 0.044 to 1.02 L per 1000 L every four weeks or 0.022 to 0.102 L per 1000 L of emulsion for maintenance of the system. Mergal MC14 Microbiocide should be added using a metering pump and mixed throughout the system.

**Oilfield Injection Waters:** Slug treat with 6 to 29 ppm Mergal MC14 Microbiocide depending on the severity of contamination. Initial dose: Add 14 to 29 ppm Mergal MC14 Microbiocide (13 to 28 g Mergal MC14 Microbiocide per 1000 kg 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 6 to 14 ppm Mergal MC14 Microbiocide (6 to 13 g Mergal MC14 Microbiocide per 1000 kg of water) every seven days or as need for control.

**Lattices:** Add 43 to 340 g of Mergal MC14 Microbiocide to each 1000 kg of emulsion to provide 6.25- **50 ppm** active ingredient. May be added to concentrates of these products which are diluted to a final concentration of not more than 50 ppm active ingredient.

**Paint and Coatings:** Add 43 to 340 g Mergal MC14 Microbiocide to each 1000 kg of fluid to provide 6.25- 50 ppm active ingredients. A higher dosage rate providing up to 50 ppm active ingredients may be required for high temperature and humidity conditions.

**Papermills:** Add Mergal MC14 Microbiocide to the Beater, Hydropulper or Fan or Broke storage pumps to ensure thorough mixing. Add 0.02 to 0.09 kg of Mergal MC14 Microbiocide per tonne (dry basis) of pulp or paper produced as a slug dose. Repeat as often as necessary to ensure control. Badly fouled systems should be cleaned before initial treatment.

**Printing Ink:** Add 43 to 270 g Mergal MC14 Microbiocide to each 1000 kg of fluid to provide 6.25 - 40 ppm active ingredients.

**Recirculating Electrode Systems (electrophoretic systems):** For fouled systems add 71-250 ppm Mergal MC14 Microbiocide (0.71 to 2.50 L per 10,000 L of fluid in the system) which will provide 10-35 ppm of active ingredient. Repeat until control is achieved. For maintenance use 36 to 107 ppm Mergal MC14 Microbiocide (0.36-1.07 L per 10,000 L of fluid in the system) weekly or as needed. This will provide 5-15 ppm of active ingredient. A change of frequency of treatment may be required depending upon the rate of dilution of the preservative with the makeup fluid, the nature and severity of contamination, level of control required, filtration effectiveness, system design, etc.

**Slurries:** Add 43 to 340 g Mergal MC14 Microbiocide to each 1000 kg of fluid to provide

6.25- 50 ppm active ingredient.

NOTICE TO USER:

This pest control product is to be used only in accordance with the directions on the label. It is an offense under the *Pest Control Products Act* to use this product in a way that is inconsistent with the directions on the label.