

5-383-147

2/18/2014

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U.S. ENVIRONMENTAL PROTECTION AGENCY  
 Office of Pesticide Programs  
 Antimicrobials Division (7510P)  
 1200 Pennsylvania Avenue NW  
 Washington, D.C. 20460

EPA Reg. Number: 5383-147	Date of Issuance: FEB 18 2014
Term of Issuance: <b>Conditional</b>	
Name of Pesticide Product: Mergal V450	

NOTICE OF PESTICIDE:

- Registration
- Reregistration  
(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Troy Chemical Corp  
 8 Vreeland Road, PO Box 955  
 Florham Park, New Jersey 07932-4200

**Note:** Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act. Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

The application referred to above, submitted under the Federal Insecticide, Fungicide and Rodenticide Act, as amended is acceptable under FIFRA sec. 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration/reregistration/registration review of your product when the Agency requires all registrants of similar products to submit such data.
2. Submit a one-year study required to satisfy the storage stability and corrosion characteristics requirements (Guidelines 830.6317 and 830.6320). You have 18 months from the date of registration to provide these data.

A stamped copy of your labeling is enclosed for your records. Submit a final printed label before distributing or selling this product. The basic CSF dated 1/20/13 was found to be acceptable.

Signature of Approving Official:

*Marshall Swindell*

Marshall Swindell  
 Product Manager Team 33  
 Regulatory Management Branch  
 Antimicrobials Division (7510P)

Date:

FEB 18 2014

# MERGAL V450

**Industrial Preservative for Use in Aqueous Adhesives, Wallpaper Pastes and Tackifiers, Building Materials, Coatings, Emulsions, Polymers and Polyurethanes, Hydraulic Fluids, Metalworking Fluids, Textiles, Laundry, Fabric, Fabric Surfaces, Vinyl and Plastics.**

EPA REG. NO. 5383-147  
EPA ESTAB. NO. 5383-XXX

ACTIVE INGREDIENT:		
2-n-Octyl-4-isothiazolin-3-one.....		45.0%
INERT INGREDIENTS:.....		55.0%
TOTAL:		100.0%

**KEEP OUT OF REACH OF CHILDREN  
DANGER**

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

[MANUFACTURED FOR]  
Troy Chemical Corporation  
One Avenue L  
Newark, N.J. 07105

**ACCEPTED**

FEB 18 2014

Under the Federal Insecticide, Fungicide, and  
Rodenticide Act as amended, for the  
pesticide, registered under  
EPA Reg. No. 5383-147

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

**CORROSIVE.** Causes skin burns and irreversible eye damage. Harmful if inhaled, swallowed or absorbed through skin. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

Avoid breathing vapor or spray mist. 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 exists, 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.

Wear chemical-resistant gloves, goggles, face shield, chemical-resistant apron worn over long sleeved shirt and long pants and a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any N, R, P or HE pre-filter"

<b>FIRST AID</b>	
<b>IF ON SKIN:</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a Poison Control Center or doctor for treatment advice.</li> </ul>
<b>IF IN EYES:</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>IF INHALED</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.</li> <li>• Call a Poison Control Center or doctor for treatment advice.</li> </ul>
<b>IF SWALLOWED:</b>	<ul style="list-style-type: none"> <li>• Call a Poison Control Center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by a Poison Control Center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
Have the product container or label with you when calling a Poison Control Center or doctor, or going for treatment.	
<b>NOTE TO PHYSICIAN:</b>	
Probable mucosal damage may contraindicate the use of gastric lavage following ingestion. Measures against circulatory shock, respiratory depression and convulsion may be needed.	

### 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 Pollution 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

Antisapstain treated lumber must be stored under cover, indoors, or at least 100 feet from any pond, lake, stream, wetland, or river to prevent possible runoff of the product into the waterway. Treated lumber stored within 100 feet of a pond, lake, steam, or river must be either covered with plastic or surrounded by a berm to prevent surface water runoff into the nearby waterway. If a berm or curb is used around the site, it should consist of impermeable material (clay, asphalt, concrete) and be of sufficient height to prevent runoff during heavy rainfall events."

### DIRECTIONS FOR USE

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

Mergal V450 is a preservative for use in the following end use areas:

**Aqueous Adhesives, Wallpaper Pastes and Tackifiers:** For the dry film and wet state preservation of water-soluble and water dispersed adhesives such as animal glues, vegetable glues, natural rubber lattices, polyvinyl acetate, styrene-butadiene, polyurethane, epoxy, acrylic lattices, and tackifiers derived from rosin and hydrocarbon resins. Can also be used for starch and dextrin based wallpaper pastes. Use 0.02-0.29% (wt) or 0.02-0.29 lbs. of Mergal V450 per 100 pounds of formulation.

**Building Materials:** For use to protect dry film and wet state building materials such as elastomeric roof and wall coatings, mastics, caulks, sealants, joint cements, spackling, stucco and grout. Use 0.02-0.29% (wt) or 0.02-0.29 lbs. of Mergal V450 per 100 pounds of formulation.

**Coatings:** For use as a dry film and wet state preservative in latex and oil-based paints, non-food contact coatings, wood coatings and wood coating solutions. Depending on the conditions the amount of Mergal V450 may vary but in general use 0.02-0.29% (wt) or 0.02-0.29 lbs. of Mergal V450 per 100 pounds of formulation. For wood coatings and wood coating solutions add 0.01-0.5% (0.1-5.0 pounds) of this product per 100 gallons of wood coatings or wood coating solutions.

For sapstain control use 1-5 qt./250 gal. water. Treated wood must not be used or placed where it may contact food or animal feed.

**Emulsions, Polymers and Polyurethanes:** For use as a preservative in the manufacture and storage of synthetic and natural rubber polymer lattices including acrylic, styrene/butadiene, carboxylated styrene/butadiene, ethylene/vinyl acetate, polyurethane, and biopolymers intended for industrial use such as xanthum gum, gum arabic, guar gum, protein derived polymers, starches and casein derived polymers. Use 0.02-0.29% (wt) or 0.02-0.29 lbs. of Mergal V450 per 100 pounds of formulation.

- **Hydraulic Fluids:** For use as a preservative in the manufacture and use of soluble oils, high water-based and emulsion hydraulic fluids. Mergal V450 should be applied directly into the hydraulic concentrate or use dilution hydraulic fluid using a metering pump and uniformly dispersed through the fluid. Highly contaminated systems should be cleaned prior to the application of Mergal V450.
- For fluid concentrates add sufficient Mergal V450 to ensure the end-use dilution fluid will contain 55-165 ppm of product (25-73 ppm active ingredient)

For use-dilution fluids add 0.47-1.44 pounds of Mergal V450 per 1000 gallons of emulsion. Repeat until microbial control is achieved. For maintenance use, add 0.09-0.58 pounds of Mergal V450 per 1000 gallons of emulsion every 4-6 weeks. This will provide 5-30 ppm active ingredient to the emulsion. More frequent dosing may be necessary depending on the degree of microbial contamination and system design.

**Metalworking Fluids:** Mergal V450 is recommended for microbial control in the manufacture and use of soluble, synthetic and semi-synthetic metalworking fluids. Mergal V450 can be applied using a metering pump for uniform application to the fluid. For fluid concentrates add Mergal V450 at a rate that will provide 0.55-165 ppm of product (25-73 ppm active ingredient) in the diluted metalworking fluid.

**Use-Dilution Fluids:** For noticeably fouled systems use 0.47-1.44 pounds of Mergal V450 per 1000 gallons of fluid. Repeat until control is achieved. For maintenance use add 0.09-0.58 pounds of Mergal V450 per 1000 gallons of fluid ever 4-6 weeks.

Higher dose rates and/or frequency of use may be required depending on the degree of microbial contamination and system design.

**Textiles, Laundry Fabric and Fabric Surfaces:** Use only to treat carpet-backing. Not for use in carpet fibers. For use as a preservative Mergal V450 at a rate of 0.1-0.25% by weight.

**Vinyl and Plastics:** For use as a preservative in PVC flooring and wall covering, interior automotive parts, refrigerator gaskets, shower curtains, mattress covers, rain wear, boots, PVC slippers and gloves. Use Mergal V450 at a rate of 0.1-0.5% based on the total weight of the formulation (equates to 0.05-0.5% based on platisol).

Mergal V450 can also be used for the preservation of other plastic articles such as automotive tops and external trim, tarpaulins, tents, awnings, indoor/outdoor carpeting backing, garden hoses, pool and pond liners, marine upholstery, roof liners, PVC tiles and fibers. It is used at a rate of 0.15-0.75% based on the total weight of the formulation (equates to 4.35 lbs./1000 lbs. of compound).

Mergal V450 is best added to the plasticizer in the production process.

Treated plastics can not be used to manufacture children's toys

**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 can not 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: Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or 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. 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.

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