



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

March 21, 2017

Patti Golick  
Troy Chemical Corporation  
8 Vreeland Road  
Florham Park, NJ 07932

Subject: Notification per PRN 98-10 – Adding State of California Restriction  
Product Name: Mergal V450  
EPA Registration Number: 5383-147  
Application Date: March 2, 2017  
Decision Number: 526834

Dear Ms. Golick:

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 Terria Northern at 703-347-0265 or via email at [northern.terria@epa.gov](mailto:northern.terria@epa.gov).

Sincerely,

A handwritten signature in black ink, appearing to read "John Hebert", written over a horizontal line.

for

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

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:

03/21/2017

# MERGAL® V450

## MASTER LABEL

**Industrial Preservative and Mildewcide for the Protection of Wood Coatings and Wood Coating Solutions including Sapstain, Aqueous Adhesives, WallPaper Pastes\*\* and Tackifiers\*\*, Building Materials\*\*, Coatings, Dispersed Pigments, Emulsions\*\*, Polymers\*\* and Polyurethanes\*\*, Hydraulic Fluids, Metalworking Fluids, Textiles\*\*, Laundry, Fabric\*\*, Fabric Surfaces\*\*, Vinyl and Plastics\*\*.**

[Sub-label A: Industrial Preservative and Mildewcide for the Protection of Wood Coatings and Wood Coating Solutions including Sapstain Control]

[Sub-label B: Industrial Preservative and Mildewcide for the Protection of Aqueous Adhesives, WallPaper Pastes\*\* and Tackifiers\*\*, Building Materials\*\*, Coatings, Dispersed Pigments, Emulsions\*\*, Polymers\*\* and Polyurethanes\*\*, Hydraulic Fluids, Metalworking Fluids, Textiles\*\*, Laundry, Fabric\*\*, Fabric Surfaces\*\*, Vinyl and Plastics\*\*.

<b>ACTIVE INGREDIENT:</b> .....	<b>% Weight</b>
2-n-octyl-4-isothiazolin-3-one.....	45.0%
<b>INERT INGREDIENTS</b> .....	<b>55.0%</b>
<b>TOTAL</b> .....	<b>100.0%</b>

<b>EPA Reg. No.</b>	<b>5383-147</b>
<b>EPA Establishment Number</b>	<b>5383-NJ-001</b>

**KEEP OUT OF REACH OF CHILDREN**

### **DANGER**

See Side Panel for Additional Precautionary Statements

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

[Net Weight: / Net Contents Shown Elsewhere on Container]

[Manufactured for: / Produced for: / Sold by:]

**Troy Chemical Corporation**  
One Avenue L, Newark, N.J. 07105

MERGAL® AND TROYSAN® are registered trademarks

# **MERGAL<sup>®</sup> V450**

**SUB-LABEL A**

**Industrial Preservative and Mildewcide for the Protection of Wood Coatings and Wood Coating Solutions including Sapstain Control**

# MERGAL<sup>®</sup> V450

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**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 OR CLOTHING:</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 eyes 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 further 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 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.

## 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 dry film preservative for use in the following end use areas:

### 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 to control fungi.

Sapstain control (\*In the State of California – For a maximum of two weeks sapstain control): Treat wood [logs/lumber] with 1 to 5 qts of MERGAL V450 per 250 gallons of water. Mix thoroughly before and during use. Apply by spray or dip/immersion system that coats all surfaces of the wood evenly and thoroughly. Treated wood must not be used or placed where it may contact food or animal feed.

## STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited.

**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 DISPOSAL:** 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 ¼ 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

# TROYSAN<sup>®</sup> V450

## SUB-LABEL B

**Industrial Preservative and Mildewcide for the Protection of Aqueous Adhesives, WallPaper Pastes\*\* and Tackifiers\*\*, Building Materials\*\*, Coatings, Dispersed Pigments, Emulsions\*\*, Polymers\*\* and Polyurethanes\*\*, Hydraulic Fluids, Metalworking Fluids, Textiles\*\*, Laundry, Fabric\*\*, Fabric Surfaces\*\*, Vinyl and Plastics\*\*.**

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**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**DANGER**

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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>	
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## 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.

## DIRECTIONS FOR USE

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

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

**Aqueous Adhesives, Wallpaper Pastes\*\* and Tackifiers\*\*:** For use as a mildewcide 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 TROYSAN V450 per 100 pounds of formulation.

**Building Materials\*\*:** For control of bacteria and fungi 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 TROYSAN V450 per 100 pounds of formulation.

**Coatings:** For use as a mildewcide for dry film and wet state preservation in paints, stains and non-food contact coatings. Depending on the conditions, the amount of TROYSAN V450 may vary but in general use 0.02-0.29% (wt) or 0.02-0.29 lbs. of TROYSAN V450 per 100 pounds of formulation.

**Dispersed Pigments:** For use as a mildewcide in the manufacture and storage of dispersed pigments, extender slurries and colorants. Use levels range from 0.01% - 0.25% by weight to provide 45 to 1125 ppm of active ingredient. Add at a point in the production process where sufficient mixing will assure good suspension of the material as other ingredients are added.

**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 TROYSAN V450 per 100 pounds of formulation.

**[\*\*Not approved for use in State of California\*\*]**

***See accompanying product information sheet for additional rates and directions for use.***

## **STORAGE AND DISPOSAL**

Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited.

**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 DISPOSAL:** 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  $\frac{1}{4}$  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.



*Product Information Sheet*  
**TROYSAN<sup>®</sup> V450, EPA Reg. No. 5383-147**

**This document must accompany each shipment of TROYSAN V450**

**Hydraulic Fluids:** For use as a preservative in the manufacture and use of soluble oils, high water-based and emulsion hydraulic fluids. TROYSAN 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 TROYSAN V450.

For fluid concentrates add sufficient TROYSAN 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 TROYSAN V450 per 1000 gallons of emulsion. Repeat until microbial control is achieved. For maintenance use, add 0.09-0.58 pounds of TROYSAN 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. **[Hydraulic Fluids are approved for use in the State of California for control of fungi only]**

**Metalworking Fluids:** TROYSAN V450 is recommended for fungal control in the manufacture and use of soluble, synthetic and semi-synthetic metalworking fluids. TROYSAN V450 can be applied using a metering pump for uniform application to the fluid.

For fluid concentrates add TROYSAN V450 at a rate that will provide 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 TROYSAN V450 per 1000 gallons of fluid. Repeat until control is achieved. For maintenance use add 0.09-0.58 pounds of TROYSAN 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\*\*:** For use in prevention of bacterial and fungal growth in the presence of moisture in and on fibers, textiles and fabrics including carpets and backing materials.. Not for use in carpet fibers. For use as a preservative, apply TROYSAN V450 at a rate of 0.1-0.25% by weight. **[\*\*Textiles, Laundry Fabric and Fabric Surfaces are not approved for use in State of California\*\*]**

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 TROYSAN V45O 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).

TROYSAN V45O 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).

TROYSAN V45O is best added to the plasticizer in the production process.

**Treated Plastics cannot be used to manufacture children's toys.**

**[\*\*Vinyl and Plastics are not approved for use in State of California\*\*]**

**TROY CHEMICAL COMPANY  
One Avenue L  
Newark, N.J. 07105**

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