



EPA Reg. #: 5383-147
Product Code: 10058

TROYSAN[®] V450

Description

Troysan[®] V450 is an industrial preservative and mildewcide for the protection of a wide variety of water-based architectural and industrial coatings, caulks and sealants, adhesives, wallpaper pastes, tackifiers, joint cement, stucco, grouts, and other building materials, as well as emulsions, polymers, plastics, carpet backing, and urethanes.¹

Application & Use

Troysan V450 performs best between pH 3-9, and at temperatures up to 37°C.

The addition of ten to fifteen pounds of zinc oxide per hundred gallons of paint will stabilize Troysan V450 in the presence of ammonia and primary or secondary amines.

In waterborne coatings where zinc oxide cannot be used, Troysan V450 can be stabilized by the addition of parts per million of copper nitrate. Troysan V450 can also be stabilized with formaldehyde adduct wet-state preservatives.

Product Highlights

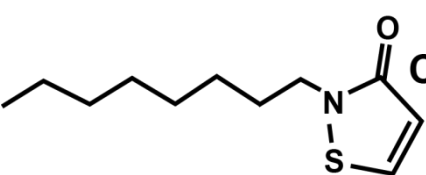
- Zero VOC
- Cost-effective performance

Physical Properties

The following are typical properties of Troysan V450; they are not to be considered product specifications.

Appearance	White to off-white
Concentration:.....	45%
Carrier solvent:.....	Water
Specific gravity at 20°C:	1.02
Viscosity at 20°C:	2000 cps

Active Substance

45%	2-n-octyl-4-isothiazolin-3-one	 <p>OIT C₁₁H₁₉NOS</p>
-----	--------------------------------	---

¹ Not all uses are registered in the State of California. Check label prior to use.

Antimicrobial Activity

Fungi	MIC (ppm)
<i>Alternaria alternata</i>	1.5
<i>Aspergillus niger</i>	8
<i>Aspergillus oryzae</i>	2
<i>Aureobasidium pullulans</i>	0.3
<i>Chaetomium globosum</i>	4
<i>Cladosporium cladosporoides</i>	0.5
<i>Cladosporium resinae</i>	0.5
<i>Fusarium sp.</i>	2.5
<i>Gliocladium virens</i>	5
<i>Lentinus tigrinus</i>	2.5
<i>Penicillium funiculosum</i>	0.5
<i>Penicillium glaucum</i>	2.5
<i>Penicillium ochrochloron</i>	0.3

Function/Activity

Suggested use levels are typical for the applications indicated. The actual level required for your system is formulation specific. The selection of the individual components of the formulation, the substrate to be treated, and the environment in which the substrate will be exposed all have an influence on the amount of protection needed. Suggested product use levels are reported as percentage of the end-use product (%wt/wt).

	% Wt/Wt
Aqueous adhesives & coatings ²	0.02-0.29
Pastes & tackifiers ³	0.02-0.29

This product should be added into an area of good mixing, and at any stage of the production process. For maximum control, **Troysan® V450** should be added as early in the production process as possible. If high temperatures or highly alkaline pH is expected during production, the product should be added after these conditions are controlled or have subsided.

Formulation Considerations

Troysan V450 is compatible with most known aqueous systems. The presence of strong reducing agents, strong oxidizers, mercaptans, or nucleophilic compounds may result in the degradation of the actives.

Check compatibility when developing new products that require protection. For further assistance, please contact your Troy representative.

² Approved for use in State of California for control of fungi only.

³ Not approved for use in State of California.

Shipping & Packaging

Troysan® V450 is packaged in:

Shipping Container	Net Weight
Micromatic Drum	441 lbs. / 200 kg.
Micromatic Tote	2205 lbs. / 1000 kg.

Product Safety Information

For health and safety data and handling, storage and disposal procedures, please refer to the Safety Data Sheet (SDS) and product label.

TROY DOES NOT MAKE AND IS NOT TO BE HELD LIABLE FOR ANY WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR USE OR PURPOSE, NON-INFRINGEMENT, OR FOR ANY OTHER WARRANTY OF ANY KIND WHATSOEVER, EXPRESS, OR IMPLIED FOR THESE PRODUCTS. BUYER ASSUMES ALL RISK AND LIABILITY WITH RESPECT TO RESULTS OBTAINED BY THE USE OF ANY PRODUCT WHETHER USED ALONE OR IN COMBINATION WITH OTHER MATERIALS OR SUBSTANCES. No statements or recommendations contained herein are to be construed as inducements to infringe any relevant patent, now or hereafter in existence. Under no circumstances shall Troy Corporation or its affiliates ("Troy") be liable for incidental, consequential, special, indirect, or punitive damages (including, but not limited to, damages for lost profits, data, business, or goodwill), even if Troy had been advised or was otherwise aware of the possibility of such damages or if such damages were reasonably foreseeable, from any claim of any kind whatsoever, regardless of the theory on which a claim may be made, including, without limitation, negligence, contract, breach of warranty, absolute liability in tort, misrepresentation, or otherwise arising out of the use or handling of these products. THE SOLE LIABILITY OF TROY FOR ANY CLAIMS ARISING OUT OF THE MANUFACTURE, USE OR SALE OF ITS PRODUCTS SHALL BE FOR THE BUYER'S PURCHASE PRICE. ANY TECHNICAL ADVICE OR INFORMATION IN THIS DOCUMENT IS PROVIDED GRATIS AND TROY ASSUMES NO OBLIGATION OR LIABILITY FOR SUCH ADVICE OR INFORMATION OR FOR THE RESULTS OBTAINED. ANY TECHNICAL ADVICE OR INFORMATION SHALL NOT CONSTITUTE A WARRANTY AS TO ANY MATTER, ALL SUCH ADVICE OR INFORMATION BEING GIVEN AND ACCEPTED AT BUYER'S OWN RISK. BUYERS SHOULD CONDUCT THEIR OWN TESTS IN ACTUAL USE CONDITIONS BEFORE COMMERCIAL USE OF THE PRODUCTS. The foregoing shall not apply to the extent precluded or limited by applicable law, but shall otherwise be enforced to the fullest extent allowable under applicable law.