PM 22 5383-50 page 1 of 5

*Please read Instructions on reverse before completing form.* Form Approved. OMB No. 2070-0060. Approval expires 11-30-93

(A) EPA

United States Environmental Protection Agency
Office of Pesticide Programs (H7505C)
Washington, DC 20460

**Application for Pesticide:**

- [ ] Registration
- [ ] Amendment
- [X] Other

OPP Identifier Number: 162993

## Section I

1. Company/Product Number: 5383-50
2. EPA Product Manager: Ms. Terry Stowe
   PM#: PM22 (Acting)
3. Proposed Classification: [X] None [ ] Restricted
4. Company/Product (Name): Troysan Polyphase P-100
5. Name and Address of Applicant *(Include ZIP Code)*:
   Troy Corporation
   72 Eagle Rock Avenue, Bldg. 2
   East Hanover, NJ 07936-0366
   [ ] *Check if this is a new address*
6. **Expedited Review.** In accordance with FIFRA Section 3(c)(3)(b)(i), my product is similar or identical in composition and labeling to:
   EPA Reg. No. 5383-50
   Product Name Troysan Polyphase P-100

## Section II

- [ ] Amendment - Explain below
- [ ] Resubmission in response to Agency letter dated _____
- [X] Notification - Explain below.
- [ ] Final printed labels in response to Agency letter dated _____
- [ ] "Me Too" Application.
- [ ] Other - explain below.

**Explanation:** Use additional page(s) if necessary. (For section I and Section II.)

Notification of revision of advisory statement on supplemental liability as per PR 95-2.

## Section III

1. **Material This Product Will Be Packaged In:**

| Child-Resistant Packaging | Unit Packaging | Water Soluble Packaging | 2. Type of Container |
|---|---|---|---|
| [ ] Yes* [ ] No | [ ] Yes [ ] No | [ ] Yes [ ] No | [ ] Metal [ ] Plastic [ ] Glass [ ] Paper [ ] Other (Specify) |
| * *Certification must be submitted.* | If "Yes," Unit Package wgt. / No. per container | If "Yes," Package wgt. / No. per container | |

3. Location of Net Contents Information: [ ] Label [ ] Container
4. Size(s) of Retail Container
5. Location of Label Directions: [ ] On Label [ ] On Labeling accompanying product
6. Manner In Which Label Is Affixed To Product: [ ] Lithograph [ ] Paper glued [ ] Stenciled [ ] Other (_____)

## Section IV

1. Contact Point *(Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)*

| Name | Title | Telephone No. (Include Area Code) |
|---|---|---|
| Donald E. Nye | Product Registration Manager | (201) 884-4300 x255 |

**Certification**

I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

2. Signature: Donald E. Nye
3. Title: Product Registration Manager
4. Typed Name: Donald E. Nye
5. Date: January 15, 1996
6. Date Application Received (Stamped)

EPA Form 8570-1 (Rev. 12-38) Previous editions are obsolete. White - EPA File Copy (original) Yellow - Applicant copy

DRAFT

# TROYSAN® POLYPHASE® P100

Broad spectrum fungicide
E.P.A. Registration No. 5383-50

## DESCRIPTION

**Troysan® Polyphase® P100** is a broad spectrum, non-metallic fungicide which is effective against a wide variety of fungal organisms. It may be used to protect both interior or exterior coatings from the growth of fungal organisms on the film surface as well as a fungicide for cutting oils, textiles, paper coatings, inks, plastics, adhesives, and canvas and cordage. **Troysan® Polyphase® P100** is also used for wood preservation and protection in above ground applications.

## USE

The following are suggested use levels for **Troysan® Polyphase® P100**. Typical use levels are given for the various application areas discussed. Laboratory evaluation and field trials are suggested in order to determine the optimum levels and cost effective use for Polyphase P100 in a given end application.

## PAINT AND STAINS

**Troysan® Polyphase® P100** may be used as a fungicide in both aqueous and solvent based paints and stains. It should be added at the end of the production cycle when processing temperatures are the lowest with good agitation to prevent possible mechanical losses.

**Troysan® Polyphase® P100** will generally impart protection when used at levels of between 0.3-0.5% active ingredient by weight of the total formulation. More may be required in hot, humid areas where mildew is a particularly severe problem, up to a maximum of 1% active ingredient by weight of the total formulation.

For interior paints, because of the reduced fungal hazard, levels of 0.1-0.32% active ingredient by weight of the total formulation are sufficient.

For wood protective stains which are used in both interior and exterior applications such as exterior siding, decks, lawn furniture, etc., levels of 0.3-0.5% are suggested, depending on the type of protection desired. If protection against wood destroying fungi is required, then a level of 0.5% active ingredient based on total formula weight is suggested. If protection against blue stain and mold fungi is required, a level of 0.3-0.4% active ingredient based on total formula weight is suggested.

## PLASTICS

**Troysan® Polyphase® P100** may be used in polyvinyl chloride plastics such as shower curtains, tarpaulins, sun umbrellas, etc. to prevent the growth of mildew. Levels of 0.05-0.6% active ingredient by weight of the plastic are generally adequate. It is suggested that Polyphase P100 be dissolved in the plasticizer before it is incorporated into the resin. (Use of Polyphase P100 is not suggested if processing entails treatment above 350°F (177°C) for prolonged periods of time, or should it be used in a polyvinyl chloride plastic that will be in contact with food.)

## CUTTING OILS

**Troysan® Polyphase® P100** may be used in metal-working fluids to prevent fungal growth at concentrations of 0.03-0.3%. It should be added to the cutting fluid concentrate in amounts sufficient to yield the desired concentration of active ingredient in the diluted composition.

It is suggested that biocide level be checked periodically as many cutting oils are unstable upon standing.

**WOOD**

**Troysan® Polyphase® P100** may be applied in solvent solutions or aqueous dispersions to new lumber, plywood, particle board, millwork, etc., to prevent the growth of mildew, sapstain, and wood destroying fungi. Polyphase P100 is suggested for use on wood in above ground use only.

Treating solutions may be prepared by dissolving Polyphase P100 in organic solvents or by creating a water emulsion. Levels of 0.3-0.5% active ingredient are suggested depending on the types of protection required, conditions for end use, and the duration of time protection is required. All products should be field tested in order to insure that the most cost effective level of Polyphase P100 is being used.

**SAPSTAIN CONTROL**

For the prevention of the growth of blue stain and mold fungi on freshly sawn lumber, a concentration of 0.3% active ingredient is suggested as a starting level. Formulations will usually be based on aqueous dispersions and emulsions. Lumber should be dipped for a duration of one to three minutes in order to achieve the maximum penetration into wood. For best results lumber should be treated within 24 hours after it is sawed.

**MILLWORK**

**Troysan® Polyphase® P100** is suggested for use on millwork, including door and window frames, exterior siding, and other construction lumber when it is important to prevent the growth of mildew, blue stain, and wood destroying fungi on these materials.

Wood treated with Polyphase P100 does not change in appearance and may be coated when dry.

For applications of type, Polyphase P100 may be applied from either organic solvent or water based formulations. These formulations may be applied by either dipping, spraying, or brushing. Suggested use level of Polyphase

P100 is 0.3-0.5% depending upon the type of protection desired. For protection against wood destroying fungi, a level of 0.5% active ingredient based on the total formula weight is sufficient. For protection against blue stain and mold fungi, a level of 0.3-0.4% active ingredient based on the total formula weight is sufficient. Polyphase P100 is not suggested for wood surfaces which come into direct contact with food. Surfaces which may be in continuous contact skin should be coated with a varnish, or lacquer after treatment with Polyphase P100.

**TEXTILES**

**Troysan® Polyphase® P100** may be used as a mildewcide in both aqueous and solvent based coatings or dyes which are applied to the textile material. Typical end use of these materials are in carpets, canvas and cordage, drapes, shower curtains. Polyphase P100 should not be dissolved in the polar and vehicle portion of these coatings..

Polyphase P100 will normally impart protection to the substrate when added at levels of 0.05-0.5% active ingredient based on the total formula weight.

**PAPER**

**Troysan® Polyphase® P100** may be used as a mildewcide in both aqueous and solvent based formulations to treat paper. Examples of such paper treatments are: corrugated cardboard and soap wrappers. Polyphase P100 should be added to the polar and vehicle components of the treatment formulation.

Polyphase P100 will generally impart protection to the substrate when added at a level of 0.025-0.05% based on the total weight of the paper.

## INKS

**Troysan® Polyphase® P100** may be used in aqueous based ink solutions for protection of these solutions against the attack of fungal organisms.

Polyphase P100 will generally impart protection when used at levels of 0.05-0.5% active ingredient based on the total formula weight.

## ADHESIVES

**Troysan® Polyphase® P100** can be used as an additive to caulk and adhesive formulations to prevent the growth of fungal organisms in the material in both the wet stage and dry film.

Suggested levels are 0.025-0.5% active ingredient based on the formula weight. Polyphase P100 should be added to the polar and vehicle components of the formulation.

## HANDLING & STORAGE

Since this material has a tendency to pack into hard lumps due to its low melting point, preferred storage temperatures below 90°F (32°C) and above 32°F (0°C).

Please store drums in an upright position. Do not reuse empty drums. Please dispose of empty drums in accordance with local standards. Full safety and handling information are to be found in the MSDS sheet for this material.

## NOTES

The information and data given herein are based upon tests and reports believed reliable, and are believed to be accurate, but are in no way guaranteed. No warranty, expressed or implied, is made or intended. The adoption for use should be based upon customer's own investigations and appraisals, and no suggestion should be construed as an invitation to use a material in infringement of patents.

- The use levels of **Troysan® Polyphase® P100** in formulated products is determined by the individual composition and end use pattern of the final system.
- White and light colored coatings should be checked for color stability on exposure and after heat aging.
- All suggested use applications should be evaluated for final product efficacy, color uniformity, and for pH, temperature and storage stability.
- Should yellowing occur during the drying cycle of exterior application coatings, it is generally transitory in nature.
- See Troysan Polyphase "Tips & Techniques" for other coatings formulation suggestions.

## PACKAGING

Actual net contents are stenciled on the drum.
100 lb. fiber board drums
50 lb. fiber board drums

**COMPOSITION AND TYPICAL PHYSICAL PROPERTIES:**

| | |
|---|---|
| Active Ingredient: | |
| 3-iodo-2-propynyl butyl carbamate: | 97% Min. |
| Appearance: | Off-white crystalline solid |
| Moisture: | 1% Max. |
| Melting Point: | 65-68°C |
| Specific Gravity (@ 20°C: | 1.51-1.57 |
| Solubility: | Soluble in most aromatic solvents and alcohols |

**NOTE** The above typical properties are not to be considered as purchase specifications.0567.00/6-94

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**TROY CORPORATION**

January 15, 1996

Ms. Terry Stowe (Acting PM22)
Document Processing Desk (AMEND)
Office of Pesticide Programs
U.S. Environmental Protection Agency
401 M Street, S.W.
Washington D.C. 20460

Dear Ms. Stowe:

Re: Notification of Revision in advisory statement on the Troysan® Polyphase® P100 **(EPA Reg. No. 5383-50)** supplemental labeling as per PR95-2.

We have discovered in many discussions with our customers that our supplemental labeling for the above product as it relates to the use of Troysan Polyphase P100 for the protection of paper is misleading. Changes are necessary because our customers have been having difficulty achieving control of mildew in the paper due to problems in relating to concentration in a coating to an effective level in the paper. The following items are included for your information.

1. A completed Application for Pesticide Registration (OPP Identifier 162993).
2. Current supplemental labeling for Troysan Polyphase P100.
3. Proposed revised labeling.

Please feel free to contact me should you have any questions pertaining to this change in our advisory statements.

This notification is consistent with the provisions of PR Notice 95-2 and EPA regulations at 40 CFR 152.66, and no other changes have been made to the labeling of the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 95-2 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

Sincerely,

Donald E. Nye

Donald E. Nye, Ph. D.
Product Registration Manager

cc: AK
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