

FHA 32

5383-96

3/10/98

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U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Antimicrobial Division (7510W)
401 "M" St., S.W.
Washington, D.C. 20460

EPA Reg.
Number:

5383-96

Date of Issuance:

MAR 10 1998

NOTICE OF PESTICIDE:

 X Registration
 Reregistration

Term of Issuance:

Conditional

Name of Pesticide Product:

Troysan Polyphase 587

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Kari E. Mavian, Agent for
Troy Chemical Corporation
One Avenue L
Newark, NJ 07105

NOTE: Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Antimicrobial Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. 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.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.
2. Please adhere to the following recommendations:
 - a. Revise the EPA Registration Number to read, "EPA Reg. No. 5383-96".

Product Chemistry

3. This formula is not cleared by FDA for use in the manufacture of food grade paper coatings and adhesives. Therefore, the label should have a restriction statement which specifies that this product may not be used in the manufacture of food grade adhesives and paper coatings.
4. The net contents should be declared on the label or on the container. **This is also true for EPA Reg. No. 5383-94.**

Signature of Approving Official:

Robert S. Brennis
Robert S. Brennis
Product Manager 32
Regulatory Management Branch II
Antimicrobial Division 7510W

Date:

3/10/98

Product Toxicology

The acute oral toxicity study is acceptable.

The primary eye irritation and primary skin irritation studies are both self-validated due to their toxicity category I statuses. (Self-validation means that a study is not reviewed but is automatically accepted if it results in a toxicity category I or is positive for dermal sensitization.)

5. One of the two products cited for the dermal sensitization study (in the waiver request) is classified as a sensitizer, while the other is not. The Agency will not classify the dermal sensitization study 5383-96 based on the results of either Polyphase 588 or 598.

However, the Agency will offer you the opportunity to have the dermal sensitization study waived. This waiver will be based upon the results of the primary skin irritation study. There are two considerations in the waiver of this study:

- a. The primary skin irritation study is assigned toxicity category I and is considered to be corrosive. Users should avoid any contact with this product, let alone any repeated contact, to avoid a chemical burn.
- b. Users of this product will be instructed to wear protective clothing and gloves, however, should not have frequent, repeated or any significant contact with this product.

Therefore, users of this product should have very little, if any, dermal contact with this product. The requirement for the dermal sensitization study is a moot point.

6. The waiver of the acute dermal toxicity study is granted as long as you will accept **toxicity category II** for this mode of exposure. (Please refer to the Toxicological Summary, MRID number 444284-02.) This waiver is based on the result of acute dermal toxicity studies conducted on Polyphase 598 and Polyphase 588. The results of the two acute dermal toxicity studies effectively bracket the percentages of active ingredients found in 5383-96, while supplying information on possible synergistic effects evoked by the combination of the two active ingredients.

7. The waiver of the acute inhalation toxicity study is granted as long as you will accept **toxicity category III** for this mode of exposure. (Please refer to the Toxicological Summary, MRID number 444284-02). Again, the results of the two studies conducted on Polyphase 598 and 588, effectively bracket the percentages of active ingredients found in 5383-96, while supplying information on possible synergistic effects evoked by the combination of the two active ingredients.

The acute toxicity profile for file symbol 5383-96 is as follows:

Acute oral toxicity	III	acceptable
Acute dermal toxicity	II	bridged
Acute inhalation toxicity	III	bridged
Primary eye irritation	I	self-validated
Primary skin irritation	I	self-validated
Dermal sensitization	non-sensitizer	WAIVED

8. Your labeling should read as follows:

SIGNAL WORD: DANGER

PRECAUTIONARY STATEMENTS:

Corrosive. Causes irreversible eye damage or skin burns. May be fatal if absorbed through skin. Harmful if swallowed or inhaled. Do not get in eyes, on skin or on clothing. Avoid breathing spray mist. Wear goggles or face shield. Wear protective clothing and rubber gloves. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco. Remove contaminated clothing and wash clothing before reuse.

STATEMENT OF PRACTICAL TREATMENT (SOPT):

IF SWALLOWED: Call a physician or Poison Control Center. Do not induce vomiting. Drink promptly a large quantity of milk, egg whites, gelatin solution, or if these are not available, drink large quantities of water. Avoid alcohol.

IF ON SKIN: Wash with plenty of soap and water. Get medical attention. For Category III, add "if symptoms persist."

IF INHALED: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

IF IN EYES: Hold eyelids open and flush with steady, gentle stream of water for 15 minutes. Get medical attention.

NOTE TO PHYSICIAN:

The proposed label should contain a "Note to Physicians". Some suggested types of information include the following:

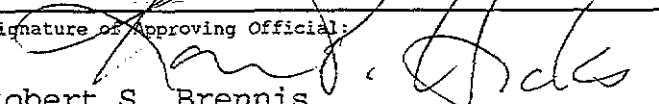
- technical information on symptomatology;
- use of supportive treatments to maintain life functions;
- medicine that will counteract the specific physiological effects of the pesticide;
- company telephone number of specific medical personnel who can provide specialized medical advice

Probable mucosal damage may contraindicate the use of gastric lavage.

3. Submit two copies of the revised final printed label for the record.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

<p>Signature of Approving Official:</p>  <p>Robert S. Brennis Product Manager 32</p>	<p>Date:</p> <p>3/10/98</p>
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Precautionary Statements Hazards to Humans

Danger

Corrosive. Causes irreversible eye damage and skin irritation. Do not get in eyes, on skin, or clothing. Harmful if swallowed or absorbed through skin. Wear goggles or faceshield. Harmful if inhaled. Avoid breathing spray mist. Causes skin irritation. Remove contaminated clothing and wash before reuse. Wash thoroughly with soap and water after handling.

Environmental Hazards

This product is toxic to fish. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of the National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to the discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the sewage treatment plant authority. For guidance, contact your State Water Board or regional office of the EPA. Do not contaminate water by cleaning of equipment or disposal of wastes.

Physical and Chemical Hazards

Combustible. Do not use or store near heat or open flame.

Troysan® Polyphase® 587

A fungicide/algicide for exterior paints, masonry coatings, wood protective stains, adhesives, caulks, and sealants

EPA Reg. No. 5383-0A
EPA Est. No. 5383-NJ-1

Active Ingredients:

3-Iodo-2-propynyl butyl carbamate	15%
N-Cyclopropyl-N'-(1,1-dimethylethyl)-6-(methylthio)-1,3,5-triazine-2,4-diamine.....	15%
Inert Ingredients.....	70%
Total.....	100%

Keep out of reach of children

Danger

Sold For Industrial Use Only
See Side Panel For Additional
Precautionary Statements

Troy Chemical Corporation
One Avenue L
Newark, NJ 07105

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First Aid

If In Eyes: hold eyelids open and flush with a steady stream of water for 15 minutes. Get medical attention.

If on Skin: Wash with plenty of soap and water. Get medical attention.

If Swallowed: Call a physician or poison control center. Drink 1 or 2 glasses of water and induce vomiting by touching the back of the throat with finger. If person is unconscious, DO NOT give anything by mouth or induce vomiting

If Inhaled: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. Get medical attention.

Directions for Use

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

Application: Troysan Polyphase 587 is sold for industrial use only. It should be used only in the areas listed in accordance with the instructions provided in the technical bulletin.

Storage and Disposal

Storage: This material has a tendency to crystallize at low temperatures. Storage temperatures below 90°F (32°C) and above 32°F (0°C) are recommended.

Pesticide Disposal: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticides, spray mixtures or rinsates is a violation of Federal Law. If these wastes can not be disposed of by use according to label instructions, contact your state pesticide of environmental control agency of the hazardous waste representative at the nearest EPA regional office for guidance. Do not contaminate food or feed by storage or disposal.

Container Disposal: Triple rinse (or Equivalent) and offer for recycling or reconditioning, or dispose of in a sanitary landfill, or other approved by state and local procedures.

ACCEPTED
with COMMENTS
in EPA Letter Dated:

20.01.11

MAR 10 1998
Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide,
registered under EPA Reg. No.

5383-96

4/1



587

Fungicide/Algicide

E.P.A. Registration No. 5383-

PRODUCT DESCRIPTION

Troysan® Polyphase® 587 is a low viscosity liquid formulation which is effective against a wide variety of fungal and algal organisms.

PRODUCT HIGHLIGHTS

- Broad spectrum fungicidal and algicidal activity
- Non-metallic
- Liquid form
- Non-corrosive
- Water solvent based system compatibility

USE

Troysan® Polyphase® 587 offers effective dry film fungal and algal protection in exterior paints, masonry coatings and wood protective stains.

Troysan® Polyphase® 587 also provides effective control in preventing mildew and algae growth in adhesives, caulks, sealants and other industrial applications. **Troysan® Polyphase® 587** is intended for applications where fungi are predominant threat.

SUGGESTED APPLICATION LEVELS

Suggested application levels are based on laboratory and field evaluations and are typical for the use areas indicated. Suggested use levels are reported as percentage weight/weight in the final use product.

% Wt/Wt

Exterior paint (for film protection).....	0.3-1.0
Wood protective stain.....	0.3-1.0
Adhesives, caulks & sealants.....	0.2-1.0
Joint cements.....	0.3-0.7
Roof coatings.....	0.5-2.0
Stucco.....	0.3-1.0

The actual level of **Troysan® Polyphase® 587** required for your system is formulation specific. The selection of the individual components of the formula, the PVC level, the substrate to be coated and the environment in which the coating will be exposed all have an influence on the amount of protection needed.

FORMULARY TESTING

Troysan® Polyphase® 587 Corporation's Microbiological Laboratory is available to provide additional assistance in determining the proper level of protection needed for your system.

PAINT AND COATINGS

Troysan® Polyphase® 587 has been shown to be an effective fungal algal control agent in both water and solvent based paints and coatings. **Troysan® Polyphase® 587** will impart dry film protection in both systems. In hot, humid areas where fungi are a particularly severe problem, the upper application levels are suggested. **Troysan® Polyphase® 587** should be added with good agitation at the end of the manufacturing cycle. (See Formulation Notes).

TYPICAL PROPERTIES:

Appearance:	Clear liquid
Active Ingredients:	3-iodo-2-propynyl butyl carbamate and N-Cyclopropyl-N-(1,1-dimethylethyl-6-(methylthio)-1,3,5-triazine-2,4-diamine
Specific Gravity 20°C:	1.015
Color, Gardner	2-3
Viscosity, 25°C:	3.9mPaS
Flash Point, °C	38°C (100°F)

EXTERIOR ADHESIVES, CAULKS & SEALANTS

Troysan® Polyphase® 587 can be used as an additive to prevent the growth of fungal and algal organisms in both the wet and cured bead stage adhesive, caulk and sealant formulations. **Troysan® Polyphase® 587** should be added towards the end of the production cycle with good agitation. Adhesives containing this product may not contact food.

FORMULATION NOTES

- All suggested use applications should be evaluated for final product efficacy, color uniformity and for pH, temperature and storage stability prior to commercialization.
- White and light colored exterior paints should be checked for color stability on exposure. Metal containers for formulated products should always be lined.

- Do not store formulated products for prolonged periods in iron or stainless steel containers.
- For paint and coating applications, **Troysan® Polyphase® 587** should be added at the end of the manufacturing cycle after the final pH adjustments have been made. (Not during the grind)

STORAGE & HANDLING

- Do not store at temperatures below 7°C.
- Store drums tightly closed in upright position.
- Do not reuse empty drums.
- Dispose of in accordance with Federal and local requirements.
- See MSDS for complete safety and handling information.

PACKING

Troysan® Polyphase® 587 is packaged in:

- 463 lbs. Drums (net)
- 126 lbs. Drums (net)

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