

PM 22

5383-88

1/8



U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (H7505C)
401 "M" St., S.W.
Washington, D.C. 20460

EPA Reg. Number:
5383-88

Date of Issuance:
MAR 13 1997

NOTICE OF PESTICIDE:
 Registration
 Reregistration

Term of Issuance:
Conditional

(under FIFRA, as amended)

Name of Pesticide Product:
Troysan Polyphase 588

Name and Address of Registrant (include ZIP Code):

Troy Chemical Corporation
One Avenue L
Newark, NJ 07105

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.

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. Make the following label changes:

- a. Revise the EPA Registration Number to read, "EPA Reg. No. 5383-88".
- b. Replace the first paragraph of the "Precautionary Statements" section with the following:

Corrosive. Causes irreversible eye damage or skin burns. May be fatal if inhaled. Harmful if swallowed or absorbed through skin. Do not get in eyes, on skin, or on clothing. Do not breathe spray mist. Wear goggles or face shield. For handling activities during airblast mistpower, pressure greater than 40 p.s.i. with fine droplets, smoke, mist, fog, aerosol or direct

Signature of Approving Official:

Date:

3/13/97

2/8

overhead exposures, wear either a respirator with an organic vapor-removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix 14G). For all other exposure, wear a dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C). Wear protective clothing and rubber gloves. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

- c. Replace the "If Swallowed" portion of the Statement of Practical Treatment section with the following:

If Swallowed: Call a physician or Poison Control Center. Do not induce vomiting. Drink promptly large quantities of water. Avoid alcohol.

- d. Include a "Note to Physician" on the label for this product. At minimum, this must include the following statement:

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

Probably mucosal damage may contraindicate the use of gastric lavage.

- e. The net contents should be declared on the label or on the container.
- f. Under the "Precautionary Statements" add "and Domestic Animals" after the word "Humans".
- g. Under the "Environmental Hazards" statement revise the first sentence to read: "This pesticide is toxic to fish and aquatic organisms".

- 3. Make the following changes to the technical bulletin before you release the product for shipment:

- a. Add the phrase "EPA Reg. No. 5383-88".
- b. Replace "Troy Ex 588" with "Troysan Polyphase 588" in every place Troy EX 588" is used in the technical bulletin. The product used in the technical bulletin must be the same as that used on the product label.

3/8

page 3

EPA Reg. No. 5383-88

c. In the Exterior Adhesives, Caulks, and Sealants section, add the statement "Adhesives containing this product may not contact food".

4. 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.

4/9

RECD EPA/OPP/DPD2

'96 JUN 13 P12:13

TROYSAN® POLYPHASE® 588

**A FUNGICIDE/ALGICIDE FOR EXTERIOR PAINTS, MASONRY COATINGS
WOOD PROTECTIVE STAINS, ADHESIVES, CAULKS AND SEALANTS**

**EPA REG. NO. 5383-
EPA ESTAB. NO. 5383-NJ-1**

ACTIVE INGREDIENTS:

3-IODO-2-PROPYNYL BUTYL CARBAMATE.....	20.0%
N-CYLCOPROPYL-N'-(1,1-DIMETHYLETHYL)- 6-(METHYLTHIO)-1,3,5-TRIAZINE-2,4- DIAMINE	10.0%
INERT INGREDIENTS.....	70.0%
TOTAL.....	100.0%

KEEP OUT OF REACH OF CHILDREN

DANGER

**SOLD FOR INDUSTRIAL USE ONLY
SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS**

ACCEPTED
with COMMENTS
in EPA Letter Dated:

MAR 13 1997

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

5383-88

**TROY CHEMICAL CORPORATION
ONE AVENUE L
NEWARK, N.J. 07105**

**®TROYSAN AND POLYPHASE ARE REGISTERED TRADEMARKS OF THE
TROY CHEMICAL CORPORATION**

(MIDDLE PANEL)

BEST AVAILABLE COPY

5/8

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS**

DANGER

CORROSIVE. CAUSES IRREVERSIBLE EYE DAMAGE. DO NOT GET IN EYES, ON SKIN, OR CLOTHING. HARMFUL IF SWALLOWED OR ABSORBED THROUGH SKIN. WEAR GOGGLES OR FACESHIELD. MAY BE FATAL IF INHALED. DO NOT BREATHE VAPORS OR SPRAY MIST. WEAR A MASK OR PESTICIDE RESPIRATOR JOINTLY APPROVED BY THE MINE SAFETY AND HEALTH ADMINISTRATION AND THE NATIONAL INSTITUTE FOR OCCUPATIONAL SAFETY AND HEALTH (OSHA). 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 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.

left panel

6/8

STATEMENT OF PRACTICAL TREATMENT

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 588 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 (32C) and above 32 F (0 C) are recommended.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticides, spray mixtures, 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. Do not contaminate water, 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.

(Right Panel)



7/8

TROY CORPORATION

ACCEPTED
with COMMENTS
in EPA Letter Dated:

TROY® EX 588

REC'D EPA/UFPP/DPD2

JUN 13 12:14

MAR 13 1997

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

5383-88

Fungicide/Algicide
EPA Reg. No. 5383-

PRODUCT DESCRIPTION

TROY® EX 588 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 and solvent based system compatibility

USE

TROY® EX 588 offers effective dry film fungal and algal protection in exterior paints, masonry coatings, and wood protective stains. TROY EX 588 also provides effective control in preventing mildew and algae growth in adhesives, caulks, sealants, and other industrial applications. EX 588 is intended for applications where fungi are the 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 TROY® EX 588 required for your system is formulation specific. The selection of the individual components of the formulation, 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

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

PAINT & COATINGS

TROY® EX 588 has been shown to be an effective fungal and algal control agent in both water and solvent based paints and coatings. TROY EX 588 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. TROY EX 588 should be added with good agitation at the end of the manufacturing cycle (see Formulation Notes).

WOOD PROTECTIVE STAINS

TROY® EX 588 offers a broad spectrum of protection against the discoloration of the protective film due to blue stain, mold and algae. TROY EX 588 does not change the appearance of wood or have any influence on its coatability.

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, 25°C	1.025 Kg/m ³ (8.55 #'s/gal)
Color, Gardner	2-3
Viscosity, 25°C	3.9 mPaS
Flash Point, °C (ASTM D56-87)	38°C (100°F)

EXTERIOR ADHESIVES, CAULKS & SEALANTS

TROY® EX 588 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. TROY EX 588 should be added towards the end of the production cycle with good agitation.

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, TROY EX 588 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 and upright position.
- Do not reuse empty drums.
- Dispose of in accordance with Federal and local requirements.
- See MSDS for complete safety and handling information.

PACKAGING

TROY® EX 588 is packaged in:

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

ACCEPTED
with COMMENTS
in EPA Letter Dated:

MAR 13 1988

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

5383-88

8/8