



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

4/16/98
 EPA Reg. Number:
 5383-89

Date of Issuance:
 APR 16 1998

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NOTICE OF PESTICIDE:
 Registration
 Reregistration

(under FIFRA, as amended)

Term of Issuance:
 Conditional

Name of Pesticide Product:
 Troysan® Polyphase 593

Name and Address of Registrant (include ZIP Code):

Lewis & Harrison
 Agent for Troy Chemical Corp.
 122 C Street NW, #740
 Washington, DC 20001

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Antimicrobials Division prior to the use of the label in commerce. In any correspondence on this product always refer to the above EPA regulation 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. On the Confidential Statement of Formula (CSF) correct the trade name for ethoxylated castor oil to read Alkamuls-EL-620.
3. For use of this product in paper coatings and in adhesives that may be used to package or transport food you must obtain FDA clearance for all components in this formula, or the label should state that it may not be used in food grade paper and, paper coating and adhesives.
3. Revise the EPA Registration Number to read, "EPA Reg. No. 5383-89".
4. Submit two copies of the revised final printed label and the corrected CSF 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.

Signature of Approving Official:

Robert S. Brennis
 Product Manager 32

Date:

APR 16 1998

**PRECAUTIONARY STATEMENT
HAZARDS TO HUMANS
CAUTION**

HARMFUL IF SWALLOWED OR INHALED. CAUSES MODERATE EYE IRRITATION. AVOID BREATHING VAPOR OR SPRAY MIST AND CONTACT WITH EYES OR CLOTHING. WASH THOROUGHLY WITH SOAP AND WATER AFTER HANDLING. REMOVE CONTAMINATED CLOTHING AND WASH CLOTHING BEFORE REUSE.

FIRST AID

IF IN EYES: FLUSH WITH PLENTY OF WATER. CALL A PHYSICIAN IF IRRITATION PERSISTS.

IF INHALED: REMOVE VICTIM TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. PREFERABLY MOUTH TO MOUTH. GET MEDICAL ATTENTION

IF SWALLOWED: CALL A PHYSICIAN OR POISON CONTROL CENTER. DRINK 1 OR 2 GLASSES OF WATER AND INDUCE VOMITING BY TOUCHING BACK OF THROAT WITH FINGER. IF UNCONSCIOUS, DO NOT GIVE ANYTHING BY MOUTH AND DO NOT INDUCE VOMITING.

ENVIRONMENTAL HAZARDS

THIS PRODUCT IS TOXIC TO FISH. DO NOT APPLY DIRECTLY TO WATER OR TO AREAS WHERE SURFACE WATER IS PRESENT OR TO INTERTIDAL AREAS BELOW THE MEAN HIGH WATER MARK. DO NOT CONTAMINATE WATER WHEN CLEANING EQUIPMENT OR DISPOSING OF EQUIPMENT WASH WATERS. 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 POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT AND THE PERMITTING AUTHORITY HAS BEE 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 PLANT AUTHORITY. FOR GUIDANCE CONTACT YOUR STATE WATER BOARD OR REGIONAL OFFICE OF THE EPA.

TROYSAN® POLYPHASE 593

E.P.A. REG. NO. 5383-
E.P.A. ESTAB. NO. 5383-NJ-1

A FUNGICIDE FOR USE IN AQUEOUS AND SOLVENT SYSTEMS SUCH AS OLEO - RESINOUS AND LATEX PAINTS, WOOD PRODUCTS, MASONRY COATINGS, SYNTHETIC ACRYLIC STUCCO, TEXTILES, PAPER COATINGS, INKS, PLASTICS, ADHESIVES, AND CANVAS AND CORDAGE.

KEEP OUT OF REACH OF CHILDREN

SOLD FOR INDUSTRIAL USE ONLY

CAUTION

See Side Panel for Additional Precautionary Statements

INDUSTRIAL FUNGICIDE

ACTIVE INGREDIENT:

3-IODO-2-PROPYNYL BUTYL

CARBAMATE.....10%

INERT INGREDIENTS.....90%

TOTAL.....100%



TROY CHEMICAL CORPORATION

ONE AVENUE L

NEWARK, NJ 07105

®TROYSAN IS A REGISTERED TRADEMARK OF THE TROY CHEMICAL CORPORATION.

ACCEPTED
with COMMENTS
in EPA Letter Dated:

APR 16 1998

Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide,
registered under EPA Reg. No. 5383-89

DIRECTIONS FOR USE

IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING. TROYSAN 593 IS SOLD FOR INDUSTRIAL USE ONLY. IT SHOULD BE USED ONLY IN AREAS LISTED IN ACCORDANCE WITH THE INSTRUCTIONS PROVIDED IN THE TECHNICAL DATA SHEET.

STORAGE AND DISPOSAL

PESTICIDE STORAGE: TROY 593 SHOULD NOT BE STORED AT TEMPERATURES BELOW 32°F (0°C). DRUMS SHOULD BE STORED IN AN UPRIGHT POSITION WITH ALL BUNGS TIGHTLY CLOSED.

PESTICIDE DISPOSAL: DO NOT CONTAMINATE WATER, FOOD OR FEED BY STORAGE OR DISPOSAL. PESTICIDE WASTES ARE TOXIC. 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 WASTES REPRESENTATIVE AT THE NEAREST EPA REGIONAL OFFICE FOR GUIDANCE.

CONTAINER DISPOSAL: DO NOT REUSE EMPTY DRUMS. TRIPLE RINSE (OR EQUIVALENT). THEN OFFER FOR RECYCLING OR RECONDITIONING, OR PUNCTURE AND DISPOSE OF IN A SANITARY LANDFILL, OR BY OTHER PROCEDURES APPROVED BY STATE AND LOCAL AUTHORITIES.

REC'D MAR 17 1998

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TROY® EX593



Liquid, broad spectrum fungicide
E.P.A. Registration No. _____

Troy® EX593 is a broad spectrum, non-metallic fungicide for mildew control on a wide variety of film surfaces. It may be used to protect both interior or exterior coatings; excellent characteristics when used as a mildewcide in solvent and aqueous paint systems. It may also be used as a fungicide in textiles, paper coatings, inks, plastics, Masonry Coatings and synthetic acrylic stucco, adhesives, and canvas and cordage.

For wood protective stains which are used in both interior and exterior applications, levels of 10 to 30 pounds per 100 gallons (1.0% -3.0%) based on formula weight are suggested, depending on the type of protection desired. If protection against wood destroying fungi is required, then a level of 30 pounds per hundred gallons (1.2%) is sufficient. If protection against blue stain and mold fungi is required than a level 1.0% - 3.0% per hundred gallons

APPLICATION

Troy EX593 is thermally stable under normal storage temperatures. Chemically stable alkaline (>9 pH) or acidic (<6 pH) conditions. The following are general use levels. All suggestions are in percentage by weight. Typical use levels given for the various applications will indicate the approximate levels required. In order to determine the most cost effective use level for Troy EX593 in a given end use, field trials are suggested.

MASONRY COATINGS AND SYNTHETIC ACRYLIC STUCCO

Troy EX593 may be used in masonry coatings and synthetic acrylic stucco. Due to the porosity and pH of these coatings generally imparts levels of between 0.2- 1.0 % per 100 gallons based on the total formula weight. Troy EX593 has been shown to be highly efficient in providing dry film protection in these systems. Product should be added at the end of the production process with good agitation.

PAINTS

Troy® EX593 can be added during or after the letdown stage of paint manufacturing or post added to the finished product. Troy® EX593 will generally impart protection when used at levels of between 5 to 30 pounds per 100 gallons based (0.5 - 3.0%) on the total formula weight. More may be required in hot, humid areas where mildew is a particularly severe problem, up to a maximum of 50 lbs. per one hundred gallons.

PLASTICS

Troy® EX593 may be used in polyvinyl chloride plastics to prevent surface mildew growth on items such as shower curtains, tarpaulins, umbrellas, etc. Levels of 0.5 - 3.0% on the weight of the plastic are generally adequate. It is suggested that Troy EX593 be dispersed in the plasticizer before it is incorporated into the resin. (Use of Troy EX-593 is not suggested if processing entails treatment above 350°F (177°C) for prolonged periods of time, nor should it be used in a polyvinyl chloride plastic that will be in contact with food.)

For interior paints, because of the reduced fungal hazard, levels of 3 to 16 pounds per 100 gallons (0.3 -1.6%) will usually be adequate.

Troy EX593 has been developed for use in white paint, especially in acrylic, styrenated acrylics, vinyl-acrylic or Polyvinylacetate latexes.

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in EPA Letter Dated:

APR 16 1998

For the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide,

TROY Corporation makes no warranty, whether expressed or implied, including warranties of merchantability or of fitness for a particular purpose for these products. No statement or representation contained herein are to be construed as inducements to infringe any relevant patent, now or hereafter in existence. Under no circumstances shall TROY Corporation be liable for incidental, consequential or other damages from alleged negligence, breach or warranty, strict liability or any other theory arising out of the use or handling of these products. The sole liability of TROY Corporation or TROY Chemical Corporation for any claims arising out of the manufacture, use or sale of its products shall be for the buyer's purchase price. Customers should conduct their own tests before using any product. TROY Chemical Corporation is a wholly owned subsidiary of TROY Corporation.

5383-89

TEXTILES

Troy® EX593 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 such areas as carpets, canvas and cordage, drapes, shower curtains, etc. Troy EX593 should not be used in fabrics for human wear. Troy EX-593 should be added at the end of the production cycle of the coating or dye.

Troy EX593 will normally impart protection to the substrate when added at levels of 0.5 - 5% based on the total formula weight.

PAPER COATINGS

Troy® EX593 may be used as a mildewcide in both aqueous and solvent based coatings which are applied to paper. Examples of such paper coatings are: corrugated cardboard and soap wrappers. Troy EX593 should be added at the end of the manufacturing cycle of these coatings with good agitation.

Troy EX593 will generally impart protection to the substrate when added at a level of 0.4 - 2.0% based on the total weight of the formulation.

CANVAS AND CORDAGE

Troy® EX593 may be used as a mildewcide in both aqueous and solvent based formulations which coat canvas and cordage substrates. Troy EX593 should be added at the end of the production cycle of the coating with good agitation.

Troy EX593 will generally impart protection to the substrate when added at levels of 0.5 - 5.0% based on the formula weight.

INKS

Troy® EX593 may be used in aqueous based ink solutions for protection against the attack of fungal organisms. It is suggested that Troy EX593 be added at the end of the production cycle.

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Troy EX593 will generally impart protection when used at levels of 0.3 - 4.0% based on the formula weight.

ADHESIVES

Troy® EX593 can be used as an additive for caulk and adhesive formulations. To prevent the growth of fungal organisms in the material in both the wet stage and once the film has dried.

Suggested levels are between 0.2 - 1.0% based on the formula weight. Troy EX593 should be added toward the end of the production cycle with good agitation.

WOOD

Troy® EX593 may be applied in both aqueous dispersions and solvent solutions to new lumber plywood, particle board, millwork to prevent the growth of mildew, sapstain, and wood destroying fungi. Recommended for above ground use only.

HANDLING & STORAGE

Troy® EX593 should not be stored at temperatures below 32°F (0°C).

Store drums in an upright position with all bungs tightly closed. Do not reuse empty drums. Dispose of in accordance with local standards. Complete safety and handling information will be found in the MSDS.

NOTE

The information and data given herein are based upon tests and reports considered to be 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 the customer's own investigations and appraisal, and no recommendation should be construed as an invitation to use material in infringement of patents.

ACCEPTED
with COMMENTS
in EPA Letter Dated:

APR 16 1988

the Federal Insecticide,
icide, and Rodenticide Act as
ended, for the pesticide,
stered under EPA Reg. No. 5373-89

Technical Data

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PACKAGING

5 gallon pails	(50 lbs. net)
15 gallon kits	(125 lbs. net)
55 gallon drums	(500lbs.net)



COMPOSITION AND TYPICAL PHYSICAL PROPERTIES:

Active Ingredient	3-iodo-2-propynyl butyl carbamate	10% min.
Appearance:		Clear Liquid
Color (Gardner):		4 Max.
Specific Gravity (25°C):		1.12
Lbs./Gal.:		9.32/lb gal
Odor:		Mild
Solubility in H ₂ O:		Insoluble

NOTE The above typical properties are not to be considered as purchase specifications.

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