



U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (7505C)
401 "M" St., S.W.
Washington, D.C. 20460

EPA Reg. Number:
5383-77

Date of Issuance:
MAR 4 1997

NOTICE OF PESTICIDE:
 Registration
 Reregistration

(under FIFRA, as amended)

Term of Issuance:
Conditional

Name of Pesticide Product:
Troysan Polyphase
AF-3

Name and Address of Registrant (include ZIP Code):

Troy Chemical Corp., Inc.
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 listed below before you release the product for shipment:

- a. Add the phrase, "EPA Reg. No. 5383-77".
- b. In the Hazards to Humans section and a comma and a space so the following sentence reads:

"...safety glasses, protective clothing..."

- c. Correct the typo in Statement of Practical Treatment so it reads:

If on skin:

Signature of Approving Official:

Date:

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- d. In the technical bulletin for wood preservation add:
For use on wood in above ground use only.

Correct the typo "id" by deleting or using an appropriate word.

- e. In the technical bulletin for adhesives specify:
For Nonfood, nonmedical use only.

3. Submit one (1) copy of your final printed labeling before you release the product for shipment. Refer to the A-79 enclosure for a further description of final printed labeling.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 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.

Cynthia Giles-Parker
Product Manager (22)
Fungicide-Herbicide Branch
Registration Division (7505C)

Enclosure

PRECAUTIONARY
STATEMENTS

HAZARDS TO HUMANS
(AND DOMESTIC ANIMALS)

DANGER

Corrosive. Causes irreversible eye damage and skin burns. Harmful if swallowed inhaled or absorbed through skin. Do not get in eyes or on skin or clothing, or inhale spray mist. Wear goggles, face shield, or safety glasses protective clothing and rubber gloves. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

STATEMENT OF PRACTICAL
TREATMENT

If in the eyes: Hold eyelid open and flush with a steady gentle stream of water for 15 minutes. Get medical attention.

On skin: Wash with plenty of soap and water. Get medical attention.

If swallowed: Call physician or poison control center. Drink promptly a large quantity of milk, egg white or or gelatin mixture, or if these are not available a large quantity of water, avoid alcohol.

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

Note To Physician: Probable mucosal damage may contraindicate gastric lavage.

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 a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior discharge. Do not discharge effluent containing this product to sewer system without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA

TROYSAN®

POLYPHASE®

AF-3

A FUNGICIDE FOR USE IN AQUEOUS AND SOLVENT SYSTEMS SUCH AS OLE-RESINOUS AND LATEX PAINTS, WOOD PRODUCTS, CUTTING OILS, TEXTILES, PAPER COATINGS, INKS, PLASTICS, ADHESIVES, AND CANVAS AND CORDAGE

E.P.A. REG. NO. 5383-
E.P.A. EST. NO 5383-NJ-1
INDUSTRIAL FUNGICIDE

ACTIVE INGREDIENTS:

3-Iodo-2-Propynyl Butyl Carbamate	30%
Inert Ingredients	70%
Total	100%

Net Contents

KEEP OUT OF REACH OF CHILDREN
DANGER

SOLD FOR INDUSTRIAL USE ONLY
See Side Panel for Precautionary and First Aid Statements

TROY CHEMICAL CORPORATION
ONE AVENUE L NEWARK, NEW JERSEY 07105

DIRECTIONS FOR USE

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

STORAGE AND DISPOSAL

STORAGE: TROYSAN® POLYPHASE® AF-3 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: Do not contaminate water, food or feed by storage or disposal. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Triple rinse (or equivalent) and offer for recycling or reconditioning, or dispose of in a sanitary landfill, or other approved State and local procedures.

APPLICATION:
Troysan® POLYPHASE® AF-3 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.

ACCEPTED
with COMMENTS
In EPA Letter Dated

MAR 4 1997

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
5383-77

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TROY CHEMICAL

TECHNICAL DATA SHEET TROYSAN® POLYPHASE® AF-3 EPA Registration No. 5383-

TROY CHEMICAL CORPORATION
ONE AVENUE L, NEWARK, NEW JERSEY 07105
201-589-2500

PRODUCT:

TROYSAN® POLYPHASE® AF-3 is a broad spectrum, liquid, 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. It may also be used as a fungicide in cutting oils, textiles, paper coatings, inks, plastics, adhesives, and canvas and cordage. It also recommended as a wood preservative.

USES:

The following are recommended use levels for TROYSAN® POLYPHASE® AF-3. All recommendations are in percentage by weight and refer to the product TROYSAN® POLYPHASE® AF-3. Typical use levels are given for the various applications to indicate the approximate levels for a particular application. In order to determine the most cost effective use level for TROYSAN® POLYPHASE® in a given end use, field trials are suggested.

PAINTS AND STAINS:

TROYSAN® POLYPHASE® AF-3 will generally impart protection when used at levels of 1.0 - 2.5% based 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 2.5% by weight.

For interior paints, because of the reduced fungal hazard, levels of 0.4 - 0.5% will usually be adequate.

For wood protective stains which are used in both interior and exterior applications, levels of 1 - 3% based on formula weight are recommended, depending on the type of protection desired. If protection against wood destroying fungi is required, then a level of up to 6% is sufficient. If protection against blue stain and mold are required, then a level of 1 - 3% pounds is sufficient.

TROYSAN® POLYPHASE® AF-3 should be added with good agitation at the end of the manufacturing cycle.

PLASTICS:

TROYSAN® POLYPHASE® AF-3 may be used in polyvinyl chloride plastics to prevent surface mildew growth on items such as shower curtains, tarpaulins, umbrellas, etc. Levels of 0.17 - 2% by weight of the plastic are generally adequate. It is recommended that TROYSAN® POLYPHASE® be dispersed in the plasticizer before it is incorporated into the resin. (Use of TROYSAN® POLYPHASE® is not recommended if processing entails treatment above 350°F for prolonged periods of time, nor should it be used in polyvinyl chloride plastic that will be in contact with food).

CUTTING OILS:

TROYSAN® POLYPHASE® AF-3 MAY BE USED IN METAL-WORKING FLUIDS TO PREVENT FUNGAL GROWTH AT CONCENTRATIONS OF 0.1 - 1.75%. It should be added to the cutting fluid concentrate in amount sufficient to yield the desired concentration in the diluted composition.

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

WOOD:

TROYSAN® POLYPHASE® AF-3 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.

Treating solutions may be prepared by diluting TROYSAN® POLYPHASE® in organic solvents or by creating a water emulsion. Levels of 1.6 - 6% TROYSAN® POLYPHASE® AF-3 are suggested depending on the type of protection required, severity of conditions for the 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 TROYSAN® POLYPHASE® is being used.

SAPSTAIN CONTROL:

For the prevention of the growth of blue stain and mold fungi on freshly sawn lumber, a concentration of 0.1 - 0.15% 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.

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TROYSAN® POLYPHASE® AF-3

MILLWORK:

TROYSAN® POLYPHASE® AF-3 is also recommended for use on millwork, including door window frames, exterior siding, composite board, plywood and other construction lumber when it is important to prevent the growth of mildew, blue stain and wood destroying fungi.

Wood treated with TROYSAN® POLYPHASE® does not change in appearance and may be painted when dry.

For applications of this type, TROYSAN® POLYPHASE® AF-3 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 TROYSAN® POLYPHASE® AF-3 is 1.6 - 6% based on formula weight, depending on the type of protection desired. For protection against wood destroying fungi, a level of up to 6% is sufficient. For protection against blue stain and mold fungi, a level of 1 - 3% is sufficient. TROYSAN® POLYPHASE® is not recommended for wood surfaces which come into direct contact with food.

TEXTILES:

TROYSAN® POLYPHASE® AF-3 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 carpets, canvas and cordage, drapes, shower curtains, etc. TROYSAN® POLYPHASE® should not be used in fabrics for human wear. TROYSAN® POLYPHASE® should be added at the end of the production cycle of the coating or dye.

TROYSAN® POLYPHASE® will normally impart protection to the substrate when added at levels of 0.2 - 4% based on the total formula weight.

PAPER COATINGS:

TROYSAN® POLYPHASE® AF-3 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. TROYSAN® POLYPHASE® should be added at the end of the manufacturing cycle of these coatings with good agitation.

TROYSAN® POLYPHASE® will generally impart protection to the substitute when added at a level of 0.35 - 2% based on the total weight of the formulation.

CANVAS AND CORDAGE:

TROYSAN® POLYPHASE® AF-3 may be used as a mildewcide in both aqueous and solvent based formulations which coat canvas and cordage substrates. TROYSAN® POLYPHASE® should be added at the end of the production cycle of the coating with good agitation.

TROYSAN® POLYPHASE® will generally impart protection to the substrate when added at levels of 1 - 4% based on the formula weight.

INKS:

TROYSAN® POLYPHASE® AF-3 may be used in aqueous based ink solutions for protection of these solutions against the attack of fungal organisms. It is recommended that TROYSAN® POLYPHASE® be added at the end of the production cycle.

TROYSAN® POLYPHASE® will generally impart protection when used at levels of 0.2 - 3.5% based on the formula weight.

ADHESIVES:

TROYSAN® POLYPHASE® AF-3 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 once the film has dried.

Recommended levels are between 0.09 - 2% based on the formula weight. TROYSAN® POLYPHASE® should be added toward the end of the production cycle with good agitation.

STORAGE AND HANDLING:

TROYSAN® POLYPHASE® AF-3 has a tendency to crystallize at low temperatures. Storage temperatures below 90° F (32° C) and above 32° F (0° C) are recommended. Store drums in an upright position. Do not reuse empty drums. Dispose of in accordance with label directions. Complete safety and handling information will be found in the Material Safety Data Sheet.

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.

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TROYSAN® POLYPHASE® AF-3

TYPICAL PROPERTIES:

Active Ingredient 30% min. -iodo-2-propynyl butyl carbamate

Appearance Amber mobile liquid

Odor characteristic

Solubility Soluble in aromatics and alcohols. Dispersible
in aqueous and solvent based paints.

Pounds per gallon 8.98

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