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5383-55

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

APR 3 - 1997

Troy Corporation
One Avenue L
Newark, NJ 07105

Attention: Wendy A. McCombie
Agent for Troy Corporation

Subject: Troysan Polyphase WD-17
EPA Registration Number 5383-55
Your Amendment Dated March 10, 1997

This is in response to your amendment on the above product to revise the precautionary label language to comply with the California Department of Pesticide Regulation's evaluation and upgrade the "Environmental Hazards" section on your label.

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, will be acceptable provided that you make the labeling changes listed below before you release the product for shipment bearing the amended labeling.

- Under the "Environmental Hazards" statement revise the first sentence to read: "This pesticide is toxic to fish and aquatic organisms".

A stamped copy is enclosed for your records. Submit one copy of the final printed label before you release the product for shipment bearing the amended label.

If you have any questions concerning this letter, please contact Delores Williams at (703) 308-6372.

Sincerely,



Robert S. Brennis
Acting Product Manager (32)
Regulatory Management Branch II
Antimicrobials Division (7504C)

CONCURRENCES

SYMBOL							
SURNAME							
DATE							

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS
DANGER**

CORROSIVE CAUSES IRREVERSIBLE EYE DAMAGE. CAUSES SKIN IRRITATION. DO NOT GET IN EYES, SKIN OR ON CLOTHING. HARMFUL IF SWALLOWED, ABSORBED THROUGH THE SKIN OR INHALED. AVOID BREATHING VAPOR OR SPRAY MIST AND CONTACT WITH SKIN, EYES AND CLOTHING. 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 EYES: HOLD EYES OPEN AND FLUSH WITH A STEADY, GENTLE STREAM OF WATER FOR 15 MINUTES. GET MEDICAL TREATMENT.

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

IF ON SKIN: WASH WITH PLENTY OF SOAP AND WATER. GET MEDICAL TREATMENT.

IF SWALLOWED: CALL A PHYSICIAN OR POISON CONTROL CENTER. DRINK PROMPTLY A LARGE QUANTITY OF MILK, EGG WHITES OR GELATIN MIXTURE. OR, IF THESE ARE NOT AVAILABLE, LARGE QUANTITIES OF WATER. AVOID ALCOHOL. DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

NOTE TO PHYSICIAN: PROBABLE MUCOSAL DAMAGE MAY CONTRAINDICATE THE USE OF 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 TO DISCHARGE. DO NOT DISCHARGE EFFLUENT CONTAINING THIS PRODUCT INTO SEWER SYSTEMS WITHOUT PREVIOUSLY NOTIFYING THE SEWAGE 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

DO NOT USE, POUR, OR STORE NEAR HEAT OR OPEN FLAME.

**TROYSAN®
POLYPHASE WD17**

A FUNGICIDE FOR USE IN AQUEOUS SYSTEMS SUCH AS LATEX PAINTS, WOOD PRODUCTS, CUTTING OILS, OLEO-RESINOUS PAINTS, AND TEXTILES.

ACCEPTED
with COMMENTS
in EPA Letter Dated:

APR 3 - 1997

E.P.A. REG. NO. 5383-55

E.P.A. ESTAB. NO. 5383-1
Under the Federal Insecticide, Fungicide and Rodenticide Act as amended by the pesticide registered under EPA Reg. No.

INDUSTRIAL FUNGICIDE 5383-55

ACTIVE INGREDIENT:	
3-iodo-2-propynyl butyl carbamate.....	17.0%
INERT INGREDIENTS:.....	83.0%
TOTAL.....	100.0%

**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

® TROYSAN IS A REGISTERED TRADEMARK OF THE TROY CHEMICAL CORPORATION

DIRECTIONS FOR USE

IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING.

APPLICATION:

TROYSAN POLYPHASE WD-17 IS SOLD FOR INDUSTRIAL USE ONLY. IT SHOULD BE USED ONLY IN 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 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.

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Net Weight 2196
RECD 2/28/97

2196

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**TROYSAN® POLYPHASE®
WD-17**

Water dispersible, broad spectrum fungicide
EPA Registration No. 5383-55

DESCRIPTION

Troysan® Polyphase® WD-17 is a broad spectrum, liquid, non-metallic fungicide which is effective against a wide variety of fungal organisms. It is based on **Troysan® Polyphase® AF1** (40% active) and is designed for application in aqueous systems such as latex emulsions, latex paints, pigment slurries, thickeners, cutting oils, water-based wood preservatives, water-based stains, adhesives, water-based dye baths, and textiles.

USES

Troysan® Polyphase® WD-17 is formulated for easy dispersion in aqueous systems. It disperses readily in water, forming an emulsion. The following paragraphs list suggested concentration ranges for a variety of water-based systems where **Troysan® Polyphase® WD-17** has proven effective. For specific suggestions, the services of Troy's Technical Service Laboratory are available.

PAINTS

Troysan® Polyphase® WD-17 may be used in aqueous based paints. It should be added toward the end of the production cycle with good agitation, to prevent possible mechanical losses. **Troysan® Polyphase® WD-17** will generally impart protection when used at levels of six (6) to twenty (20) pounds per one hundred (100) gallons (0.6-2.0%) of paint. More may be required in hot, humid areas where the mildew is a particularly severe problem; up to a maximum of twenty-four (24) pounds per one hundred (100) gallons (2.4%).

For use in interior paint, levels of two (2) to eight (8) pounds per one hundred (100) gallons (0.2-1.0%) will usually be adequate.

WOOD

Troysan® Polyphase® WD-17 may be applied from aqueous dispersions to new lumber, plywood, particle board, millwork, etc., to prevent the growth of fungal organisms.

Treating solutions may be prepared by diluting **Troysan® Polyphase® WD-17** in water. Levels of 0.1% to 3.0% of **Troysan® Polyphase® WD-17** are suggested depending upon the severity of conditions for the end use, and the extent of time that protection is required.

For freshly sawn lumber, a concentration of 1.0% of **Troysan® Polyphase® WD-17** is suggested as a starting level in formulated products. A one minute dip at ambient temperatures in a solution or aqueous dispersion containing 1.0% **Troysan® Polyphase® WD-17** should be adequate to control the development of fungal organisms on the lumber.

Because of the great variation in susceptibility of fresh sawn lumber relating to the type of wood, sawing and storage techniques, conditions of humidity, method of treatment etc., it is usually necessary to carry out field tests to determine the most appropriate means of application and the optimum concentration.

For best results, lumber should be treated within twenty-four (24) hours after it is sawed.

Troysan® Polyphase® WD-17 is also recommended for use on millwork, including door and window frames, exterior siding, plywood and other construction lumber when it is important to prevent the growth of fungal

organisms on these materials during storage prior to use.

Wood treated with **Troysan® Polyphase® WD-17** does not change in appearance and may be painted when dry.

For application of this type, **Troysan® Polyphase® WD-17** may be applied by dipping, brushing or spraying. Levels of 0.25% to 2.0% **Troysan® Polyphase® WD-17** dispersed in water are suggested, depending upon the condition of the wood, the nature of the intended exposure and the length of protection desired.

When brushing, a single coat will usually suffice if the solution is applied liberally. This also pertains to spraying. Use of **Troysan® Polyphase® WD-17** is not suggested for wood surfaces which may come in contact with food. Surfaces which may be in continuous contact with skin should be coated with a varnish, or lacquer after treatment with **Troysan® Polyphase® WD-17**.

Troysan® Polyphase® WD-17 may also be used as an additive to stains to be applied to exterior siding in order to prevent the growth of fungal organisms. It is suggested that levels between 1.0% to 4.0% of **Troysan® Polyphase® WD-17** by weight of the final formulation be added to these materials.

The services of the Troy Technical Service Laboratory are always available to assist in determining optimum levels for specific systems in any type of application.

CUTTING OILS

Troysan® Polyphase® WD-17 may be used at concentrations of 0.1% to 1.0% to prevent fungal growth in metal-working fluids. It is added to the cutting oil fluid concentrate in amounts sufficient to yield the desired percent of **Troysan® Polyphase® WD-17** in the diluted composition.

TEXTILES

Troysan® Polyphase® WD-17 may be used in aqueous coatings or dyes which are applied to the textile material. Typical end uses of these materials are in such areas as carpets, canvas and cordage, drapes, shower curtains, etc. This product is not suggested for use in materials which will be in extensive contact with human beings. **Troysan® Polyphase® WD-17** should be added at the end of the production cycle of the coating or dye with good agitation to prevent possible mechanical losses.

Troysan® Polyphase® WD-17 will normally impart protection when added at levels between 0.2% to 2.0% based on the total formula weight.

PLASTICS

Troysan® Polyphase® WD-17 may be used in polyvinyl chloride plastics to prevent surface mildew growth on items such as shower curtains, tarpaulins, sun umbrellas, etc. Levels of 1.0% to 4.0% weight of the plastic are generally adequate. It is recommended that the **Troysan® Polyphase® WD-17** be dispersed in the plasticizer before it is incorporated into the resin. (Use of **Troysan® Polyphase® WD-17** is not suggested if processing entails treatment above 350°F for prolonged periods, nor should it be used in a polyvinyl chloride plastic that will be in contact with food.)

NOTES

The information and data given herein are based upon tests and reports considered 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 a material in infringement of patents.

- The use levels of **Troysan® Polyphase® WD-17** 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

5 gallon pails (50 lbs. net)
 15 gallon kits (125 lbs. net)
 55 gallon drums (500 lbs. net)
 Totes: 2,200 - 3,000 lbs. net

Actual net contents stenciled on containers

COMPOSITION AND TYPICAL PHYSICAL PROPERTIES

Active ingredient:	
3-Iodo-2-propynyl butyl carbamate.....	17% min.
Specific Gravity:.....	1.00 - 1.03
Lbs / Gallon:.....	8.3 - 8.6
Viscosity:.....	A-4
Color (Gardner @ 25°C):.....	5 Max.
Flash Point:.....	117°F (47°C)
Odor:.....	Characteristic
Solubility:.....	Soluble in aromatics and alcohols Readily dispersible in aqueous systems

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

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WD17/296(DN)

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TROYSAN® BIOCIDES

TROYSAN® 142

Non-metallic, organic powder. Broad spectrum efficacy in a variety of systems. FDA clearances: "CFR Title 21" Slimicides 175.300, Adhesives 175.105, Paper, Paperboard, Foodboard coatings 176.170.

TROYSAN® 174

Lowest cost, non-metallic, organic, water-soluble liquid preservative. Broad spectrum efficacy in a variety of systems.

TROYSAN® 186

Lowest cost non-metallic, organic, water-soluble liquid preservative. Broad spectrum in a variety of systems.

TROYSAN® 192

Low cost, non-metallic, organic, water-soluble liquid preservative. Broad spectrum efficacy in a variety of systems.

TROYSAN® 364

Water dispersible liquid. Broad spectrum efficacy in a variety of systems against both bacteria and fungi.

TROYSAN® 395

Water based broad spectrum bacterial control agent designed for use in paints, resin emulsions, pigment dispersions, adhesives, sealants and other industrial compounds. Low toxicity, low odor, low volatility.

TROYSAN® 586

Broad spectrum low use-level bactericide with FDA clearances "CFR Title 21" CFR 175.105, 176.170, 176.180 and 176.300. For applications in aqueous based coatings, stains, adhesives, polymer emulsions, joint cements and other industrial systems.

TROYSAN® POLYPHASE®

Non-metallic, organic fungicide. Broad spectrum efficacy in a variety of systems. Low toxic fungicide for wood preservation.

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