

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER

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 psi with fine droplets, smoke, mist, fog, aerosol or direct 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 exposures, 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 before reuse.

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 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 ATTENTION.

IF SWALLOWED: CALL A PHYSICIAN OR POISON CONTROL CENTER. DO NOT INDUCE VOMITING. DRINK PROMPTLY LARGE QUANTITIES OF WATER. AVOID ALCOHOL.

NOTE TO PHYSICIAN: PROBABLE MUCOSAL DAMAGE MAY CONTRAINDICATE THE USE OF GASTRIC LAVAGE.

ENVIRONMENTAL HAZARDS

This product is toxic to fish and aquatic organisms. Do not discharge effluent containing this product into lakes, ponds, streams, 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, POUR, OR STORE NEAR HEAT OR OPEN FLAME.

TROYSAN[®] POLYPHASE 588

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

E.P.A. REG. NO. 5383-88

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

ACTIVE INGREDIENT:

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

KEEP OUT OF REACH OF CHILDREN

DANGER

SOLD FOR INDUSTRIAL USE ONLY

See Side Panel for Additional Precautionary Statements



TROY CHEMICAL CORPORATION

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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 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 80 F (32C) AND ABOVE 45 F (7C) 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.

ACCEPTED

SEP 4 1997

Net Weight Under The Federal Insecticide, Fungicide and Rodenticide Act, as amended, for the products registered under EPA Reg. No. 5383-88

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TROY CORPORATION

TROYSAN® POLYPHASE® 588

Fungicide/Algicide
EPA Reg. No. 5383-88

PRODUCT DESCRIPTION

TROYSAN® POLYPHASE® 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

TROYSAN® POLYPHASE® 588 offers effective dry film fungal and algal protection in exterior paints, masonry coatings and wood protective stains. TROYSAN® POLYPHASE® 588 also provides effective control in preventing mildew and algae growth in adhesives, caulks, sealants and other industrial applications. TROYSAN® POLYPHASE® 588 is extended 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.

	<u>% Wt/Wt</u>
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® 588 require 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® 588 Corporation's Microbiological Laboratory is available to provide additional assistance in determining the proper level of protection needed for your system.

PAINTS & COATINGS

TROYSAN® POLYPHASE® 588 has been shown to be an effective fungal algal control agent in both water and solvent based paints and coatings. TROYSAN® POLYPHASE® 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. TROYSAN® POLYPHASE® 588 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)-5-(methylthio)-1,3,5-triazine-2,4-diamine
Specific gravity, 25°C.....	1.025Kg/m ³ (8.55 lbs./gal)
Color, Gardner.....	2-3
Viscosity, 25°C.....	3.9mPaS
Flash Point, °C (ASTM D56-87).....	38°C (100°F)

EXTERIOR ADHESIVES, CAULKS & SEALANTS

TROYSAN® POLYPHASE® 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. TROYSAN® POLYPHASE® 588 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® 588 should be added at the end of the manufacturing cycle after the final pH adjustments have been made. (Not during the grind)

STORAGE AND HANDLING

- Do not store at temperature 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 588 is packaged in:

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

6/11/97