



SOSTRAM CORPORATION

PROTRAM® 98 INDUSTRIAL FUNGICIDE

Active Ingredient:	
3-Iodo-2-propynyl butyl carbamate	98%
Other Ingredients	2%
Total	100%

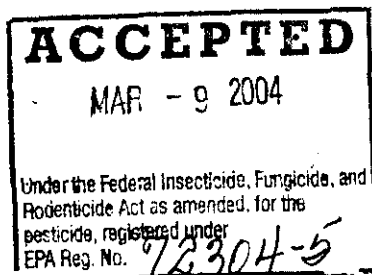
**KEEP OUT OF REACH OF CHILDREN
DANGER - PELIGRO**

FIRST AID	
IF INHALED	<ul style="list-style-type: none"> ➤ Move person to fresh air. ➤ If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth to mouth if possible. ➤ Call a poison control center or doctor for further treatment advice.
IF ON SKIN OR CLOTHING	<ul style="list-style-type: none"> ➤ Take off contaminated clothing. ➤ Rinse skin immediately with plenty of water for 15-20 minutes. ➤ Call a poison control center or doctor for treatment advice.
IF IN EYES	<ul style="list-style-type: none"> ➤ Hold eye open and rinse slowly and gently with water for 15-20 minutes. ➤ Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. ➤ Call a poison control center or doctor for treatment advice.
IF SWALLOWED:	<ul style="list-style-type: none"> ➤ Call a poison control center or doctor immediately for treatment advice. ➤ Have affected person sip a glass of water if able to swallow. ➤ Do not induce vomiting unless told by a poison control center or doctor. ➤ Do not give anything by mouth to an unconscious person.
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
Emergency phone numbers	(800) 424-9300 CHEMTREC (transportation and spills)
NOTES TO PHYSICIAN: Exposure to high concentrations via inhalation may result in the inhibition of acetylcholinesterase and produce related symptoms. Probable mucosal damage may contraindicate the use of gastric lavage.	

EPA Reg. No. 72304-5

Net Wt. ____ Lbs.

EPA Est. No. _____



MANUFACTURED FOR
SOSTRAM CORPORATION
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Roswell, Georgia 30076

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
DANGER - PELIGRO

Corrosive. Causes skin burns and irreversible eye damage. Do not get in eyes, on skin, or on clothing. Wear goggles or face shield, protective clothing, chemical resistant (such as nitrile or butyl) gloves. Wash thoroughly with soap and water after handling. Remove contaminated clothing before reuse. Harmful if swallowed, inhaled, or adsorbed through skin. Avoid breathing vapor or spray mist. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

ENVIRONMENTAL HAZARD

This pesticide is toxic to fish and aquatic organisms. Do not discharge effluent containing this product into lakes, ponds, streams, estuaries, oceans or public 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 to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

STORAGE & DISPOSAL

PESTICIDE DISPOSAL

Keep container tightly closed when not in use. Do not reuse container. Do not store with strong oxidizing agents or strong (concentrated) acids. Do not contaminate water, food, or feed by storage or disposal. Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, 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 local State Pesticide or environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL

Triple rinse container. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration or, if allowed by state and local authorities, by burning. If burned stay out of smoke.

DIRECTIONS FOR USE

It is a violation of federal law to use this product in a manner inconsistent with its labeling. This formulation is not cleared by Federal Food, Drug and Cosmetic Act for use in manufactured food grade adhesive, paper and paper board products and paper coating.

Dry Film Paint Preservative

Protram™ 98 inhibits the growth of mildew in solvent-based paints and waterborne paints, stains and latex emulsions. For best results, it should be solubilized in a suitable solvent prior to adding to the paint. Addition should be at the end of the manufacturing process and allowed to mix long enough to be adequately dispersed. Typical levels for protection against mildew on painted surfaces are 0.1 – 0.5% by weight in wet paint. For example, house paint with a wet density of 10 lbs. per gallon would use 1 – 5 lbs. of this product per 100 gallons of wet paint. Where the climate is severe and mildew growth is a major problem for painted surfaces, more would be required, as much as 0.8% by weight in the paint.

Aqueous Metalworking, Cutting, Cooling, & Lubricating Concentrates

To inhibit the growth of fungi in an aqueous metalworking, cutting, cooling & lubricating concentrates add an amount that will give up to 1,000 ppm in the diluted fluid. The amount required in the concentrate will depend on the end use dilution. For example, if the desired level of this product in the diluted fluid is 100 ppm, and the end use dilution of the fluid is 5%, then a 0.2% concentration of this product is required in the concentrate ($100 \text{ ppm} / 0.05 = 2,000 \text{ ppm}$ or 0.2%).

Aqueous Metalworking, Cutting, Cooling, & Lubricating Fluids

To inhibit the growth of fungi in an aqueous metalworking, cutting, cooling & lubricating fluids add up to 1,000 parts per million (0.1% w/w) of this product to the diluted fluid (1.0 lbs. per 1000 lbs. of solution or approximately 0.8 lbs. per 100 gallon of solution or 1.0 kg per 1000 kg). This product may be added to the fluid at the time it is prepared (diluted) or to the reservoir (sump) containing the fluid after it is put into use. If it is added to the reservoir, the fluid should be circulated after addition to ensure mixing.

Fungicide in Non-medical, Non-food Contact Aqueous, Solvent and Non-solvent Based Systems Such As Natural and Synthetic Adhesives, Caulks, Patching Compounds, Sealants, Grouts, Latexes Such As SBR/Latex Used In The Manufacture Of Flooring Adhesives or Carpet Backings.

Protram™ 98 can be used as an additive to non-medical, non-food use natural and synthetic adhesives, caulks, patching compounds, sealants, grouts, latexes such as SBR/latex flooring adhesives or carpet backings to prevent the growth of fungi, molds and mildews in the material both in the wet state and in the dry film of the finished product. Recommended use levels are between 0.02 – 0.25% wet formulation weight. Protram™ 98 should be added toward the end of production cycle with good agitation to ensure a uniform distribution. For example, to inhibit the growth of mildew on a latex-based wall cover adhesive for a non-food area add 0.2% (2 lbs. of Protram™ 98 per 1000 lbs. of latex-based adhesive formulation) of this product to the latex-based formulation.

Plastics and Plastic Coatings

Protram™ 98 may be used to prevent surface mildew growth on plastic items such as shower curtains, cable and wire insulation, sun umbrellas, polymer furniture, filter medias, polymer components of carpet, etc. Intended plastics include polymers such as PVC, polyurethanes,

elastomers and rubbers, neoprene, styrene compounds, polyolefins, etc. Use levels of 0.05-1.0% by weight of the plastic are generally adequate. This product should be dispersed in the plasticizer or color concentrate before it is incorporated into the resin to ensure a uniform distribution. Use of this product is not recommended if the heat of processing is above 350 °F for prolonged periods, nor should it be used in a plastic that will be in contact with food or medical device applications. For example, to inhibit growth of mildew on a plastic such as polyurethane boat seat cushions intended for a non-food area add 0.5% (5 lbs. Protram™ 98 per 1000 lbs. of polyurethane formulation) of this product to the polyurethane formulation.

Paper Coatings

Protram™ 98 may be used as a mildewcide in both aqueous and solvent-based coatings, which are applied to paper and cardboard substrates. This product can be used to prevent mold and mildew from growing on products such as: corrugated cardboard or soap wrappers, wall covers, non-food contact packaging materials, and non-food contact paper tapes. Use levels of this product range from 0.02 – 0.75% of this product by weight. This product should be added at the end of the production cycle and with good agitation to prevent possible mechanical losses and to ensure uniform distribution. For example, to inhibit growth of mildew on corrugated cardboard intended for a non-food packaging add 0.5% (5 lbs. Protram™ 98 per 1000 lbs. of coating material) of this product to the coating material formulation.

Cordage

Protram™ 98 may be used as a mildewcide in both aqueous and solvent based process formulations, which coat cordage. Typical use levels of this product will range from 0.02 – 1% of the process formulations used in the process of these cordages. This product should be added at the end of the production cycle to the process formulation with good agitation to prevent possible mechanical losses and to ensure a uniform distribution. For example, to inhibit the growth of mildew on cordage intended for a non-food area add 0.5% (5 lbs. Protram™ 98 per 1000 lbs. of process formulation) of this product to the process formulation.

Inks

Protram™ 98 may be used in aqueous-based ink solutions for protection of these solutions against attack of fungal organisms. It is recommended that this product be added at the end of the product cycle with good agitation. This product will generally impart protection when used at levels of 0.05 – 3.0% based on the formula weight.

Wood Preservation

Protram™ 98 is a white powder, non-metallic compound designed for use as a wood preservative for use in above ground applications. All recommendations of use levels are in percentage by weight, and refer to this product. Dosage ranges are given for the various applications to indicate the approximate levels for a particular application. Exact level of use within these ranges should be determined by field trials.

For best results this product should be solubilized in a suitable solvent or made into an aqueous dispersion and then applied to new lumber, plywood, particle board, etc., to prevent the growth of mildew, sapstain and wood rot on these substrates. This product is recommended for use on wood in above ground use only.

Treating solutions may be prepared by dissolving this product in alcohols or aromatic solvents or by dispersion in water. Levels of 0.10 – 1.5% of this product are suggested depending upon the severity of conditions for end use, and the extent of time that protection is required.

For freshly sawn lumber, a concentration of 0.20% of this product is suggested as a starting level. A one minute dip at ambient temperatures in a solution or aqueous dispersion containing 0.2% of this product should be adequate to control the development of mildew and sapstain 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 of this product to be used.

For best results, lumber should be treated within twenty-four hours after it is sawed. The lumber should be completely immersed in the treating bath, and the treating vat designed to permit easy immersion and removal, and to minimize spillage. The vat may be cleaned by emptying and rinsing with a suitable solvent or by use of a detergent solution. To add additional product while treating, first prepare the proper solution or emulsion in a separate container (of wood, plastic, or stainless steel construction) and add to the treating vessel.

After treatment, lumber should be stacked in a properly maintained seasoning yard with good drainage so that no water will accumulate, in any area. The yard should be kept free from weeds and vegetation, which may hold moisture and promote growth of decay and stain producing fungi. All debris and lumber scraps should be removed from the area. A properly laid out yard should take advantage of prevailing winds to permit good air circulation. Main alleys should be at least 16 feet wide. Stack foundations should be sufficiently elevated to permit ready access of air to the pile, and allow water to drain off quickly.

WARRANTY AND LIMITATIONS OF DAMAGES

CONDITIONS OF SALE: Sostram Corporation warrants that this product conforms to the chemical description stated on the label when used in accordance with the directions under normal conditions of use. This warranty does not extend to the use of this product contrary to label instructions, or under abnormal use conditions, or under conditions not reasonably foreseeable to Sostram. **SOSTRAM DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY OF FITNESS OR MERCHANTABILITY. SOSTRAM SHALL NOT BE LIABLE FOR CONSEQUENTIAL, SPECIAL, OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, AND SOSTRAM'S SOLE LIABILITY AND BUYER'S AND USER'S EXCLUSIVE REMEDY SHALL BE LIMITED TO THE REFUND OF THE PURCHASE PRICE. BUYER AND USER ACKNOWLEDGE AND ASSUME ALL RISKS AND LIABILITY RESULTING FROM HANDLING, STORAGE AND USE OF THIS PRODUCT. SOSTRAM DOES NOT AUTHORIZE ANY AGENT OR REPRESENTATIVE TO MAKE ANY OTHER WARRANTY, GUARANTEE OR REPRESENTATION CONCERNING THIS PRODUCT.**