

# POLYPHASE® P20T

## Dry-Film Preservative

**Paints & Coatings  
& Material Protection/US**

**EPA Registration No.: 5383-74**

Polyphase® P20T is a fungicide solution used in aqueous and solvent systems. It is effective against a wide variety of fungal organisms. It can be used to protect both interior and exterior coatings from the growth of fungal organisms on the film surface.

### Application & Use

Polyphase® P20T offers excellent dry-film fungal protection in interior and exterior coatings and wood protective stains. It is especially suited for waterborne latex paints and coatings. Polyphase® P20T also provides excellent fungal control in wood preservative formulations, and prevents mildew growth in other industrial applications.

This product is suitable for systems with a pH of <9 and at a temperature up to <60°C.

### Product Highlights

- Full-spectrum antifungal protection
- Water- & solvent-based system compatibility
- Carrier solvent is a coalescent for waterborne coatings
- Low odor
- Low hazard
- Globally approved active ingredient

### Physical Properties

*The following are typical properties of Polyphase® P20T; they are not to be considered product specifications.*

<b>Appearance:</b>	Yellowish liquid
<b>Specific Gravity, 25°C:</b>	1.04
<b>Viscosity, 25°C</b>	0
<b>Solubility</b>	Very slightly soluble in cold water
<b>Color (Gardner)</b>	2
<b>Lbs./Gallon (25° C)</b>	8.7

### Formulating Considerations

Polyphase® P20T can be added to formulations at any stage of the manufacturing process. Degradation of the active ingredient in this formulation can cause yellowing in certain formulations. All suggested use applications should be evaluated for final product efficacy, color uniformity, and for pH, temperature, and storage stability. White and light colored exterior coatings should be checked for color stability on exposure. If yellowing occurs during the drying cycle, it is generally transitory in nature. Do not store formulated products for prolonged periods in unlined iron or steel containers, as the degradation of the active ingredient is corrosive.

Due to various possibilities of application and different methods of processing, it is advised to check compatibility in the development of new products. Contact your Arxada representative for assistance.

### Active Substance

20.0%	3-Iodo-2-propynyl butyl carbamate	IPBC	 <p><b>IPBC</b> <b>C<sub>8</sub>H<sub>12</sub>INO<sub>2</sub></b></p>
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## Function/Activity

The following suggested use levels are based on laboratory tests and are typical for the applications indicated. The actual level required for your system is formulation specific. The selection of the individual components of the formulation, 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.

### Paints and Stains

Polyphase® P20T has been shown to be a superior fungal control agent in both water- and solvent-based paints and coatings. Polyphase® P20T will impart dry film protection in both systems. In hot, humid areas where mildew is a particularly severe problem, the upper application levels are suggested. Polyphase® P20T should be added with good agitation at the end of the manufacturing cycle.

### Millwork

Polyphase® P20T is used to prevent the growth of mildew, mold, and other fungi in millwork, including doors, windows, exterior siding, composite board, plywood, and other construction lumber. These formulations can be applied by either dipping, spraying, brushing, pressure, or double vac treatments.

### Wood Protection/Preservation

Polyphase® P20T offers protection against fungi, mildew, and mold.

### Adhesives

Polyphase® P20T prevents the growth of fungal organisms in both the wet and dry film stage of adhesives. Polyphase® P20T should be added at the end of the production cycle with good agitation.

Function	% Wt/Wt
Paints & Stains	0.50 - 1.50%
Cutting Oils	0.15 - 0.50%
Wood	2.50 - 6.00%
Adhesives	0.13 - 0.50%
Inks	0.25 - 2.50%
Paper Coatings	0.25 - 1.00%

## Packaging

Polyphase® P20T is packaged in:

Package Type	Net Weight
Pail	45 lbs / 20.4 kg
Small Drum	120 lbs / 54.4 kg
Large Drum	450 lbs / 204.1 kg
Tote	2300 lbs / 1043.3 kg

## Product Safety & Additional Information

For handling, storage, health, and safety information and disposal procedures, as well as additional information, please refer to the Safety Data Sheet (SDS) and label.



For more information visit:  
[www.arxada.com](http://www.arxada.com)

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