

# POLYPHASE® 978

## Dry-Film Preservative

Paints & Coatings/US

EPA Registration No.: 5383-133

Polyphase® 978 is a full-spectrum fungicide dispersion designed for use in solvent-based products.

### Application & Use

Polyphase® 978 offers excellent dry-film fungal protection in interior and exterior paints and stains and wood protective stains. Polyphase® 978 also provides excellent fungal control in adhesives, caulks, grout sealants, and joint cements.

### Product Highlights

- Full-spectrum protection
- Enhanced chemical stability of active ingredients
- Excellent cost-in-use profile
- Low VOC and APEO-free
- Color stable in pigmented systems
- Non-corrosive

### Physical Properties

The following are typical properties of Polyphase® 978; they are not to be considered product specifications.

<b>Appearance:</b>	Pale, flowable dispersion
<b>Specific Gravity, 25°C:</b>	1.1
<b>pH (as is)</b>	6
<b>% Actives</b>	20.0
<b>Odor</b>	Mild characteristic

### Active Substance

5.0%	3-Iodo-2-propynyl butyl carbamate	IPBC	 <p><b>IPBC</b> <math>C_8H_{12}INO_2</math></p>
15.0%	Methyl 2-benzimidazolecarbamate	BCM	 <p><b>BCM</b> <math>C_9H_9N_3O_2</math></p>

## 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. Suggested use levels are reported as percentage of the end-use product.

### Paints and Stains

Polyphase® 978 has been shown to provide excellent fungal control as well as enhanced chemical stability in solvent-based paints and stains. Polyphase® 978 will impart dry-film protection in these systems. In hot, humid areas where fungi are a particularly severe problem, the higher application levels are suggested. Polyphase® 978 should be added with good agitation at the end of the manufacturing cycle.

### Organic Solvent-Based Systems

Polyphase® 978 offers a broad spectrum of protection against discoloration of the protective film due to fungi. Polyphase® 978 does not change the appearance of wood or have any influence on its coatability. Polyphase® 978 is compatible with most organic solvent-based systems.

Function	% Wt/Wt
Interior & Exterior Paints & Stains	0.50 - 2.30%
Wood Protective Stains	0.50 - 2.30%
Adhesives, Caulks, Grouts & Sealants	0.30 - 1.50%
Joint Cements	0.50 - 1.50%

## Formulating Considerations

Polyphase® 978 is a dispersion and should be mixed to ensure homogeneity of the product prior to addition. All suggested use applications should be evaluated for final product efficacy, color uniformity, and for pH, temperature, and storage stability.

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.

Shelf-life is 24 months from date of manufacture.

## Packaging

Polyphase® 978 is packaged in:

Package Type	Net Weight
Tote	2205 lbs / 1000 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)

**Use biocides safely. Always read the label and product information before use.** All product information corresponds to Arxada's knowledge on the subject at the date of publication, but Arxada makes no warranty as to its accuracy or completeness and Arxada assumes no obligation to update it. Product and safety information is intended for use by recipients experienced and knowledgeable in the field, who are capable of and responsible for independently determining the suitability of ingredients for intended uses and to ensure their compliance with applicable law. Proper use of this information is the sole responsibility of the recipient. Republication of this information or related statements is prohibited. Information provided by Arxada is not intended and should not be construed as a license to operate under or a recommendation to infringe any patent or other intellectual property right. No claims are made herein for any specific intermediate or end-use application. The information contained in this document is proprietary and confidential. The recipient shall keep this document strictly secret using at least the same level of measures as it uses to protect its own confidential information, but in any case at least commercially reasonable own confidential information, but in any case at least commercially reasonable and

customary efforts. The recipient shall use this document only for the purpose specified in the applicable contractual documentation between the recipient and Arxada and will not make any use of it for its own separate benefit or the benefit of any third party. The use by other persons or entities than the intended recipient is prohibited. If you receive this transmission in error, please contact Arxada immediately and delete this document and its attachments from your system. Upon termination of the applicable contractual relationship between the recipient and Arxada, the recipient shall return or destroy promptly this document. Recipient shall at any time be fully liable for any and all breaches of the confidentiality duty and indemnify Arxada for any damages derived thereunder. Recipient acknowledges that the information provided is considered a trade secret and therefore the duty of confidentiality must remain in force for an undetermined period of time, regardless of any prior contractual agreement with Arxada. All trademarks belong to their respective owners or to Arxada as acknowledged.

© 2023 Arxada Ltd.