

Polyphase® 763CR is a broad-spectrum, water-based product that is effective against a wide variety of fungal and algal organisms where controlled release of active ingredients is beneficial.

Application & Use

Polyphase® 763CR features a controlled release algaeicide for enhanced leach resistance. The synergistic combination of actives in this product outperforms many single active based formulations. Polyphase® 763CR offers excellent dry-film protection against fungal and algal growth on paints, masonry coatings, stucco, and pigmented water-based wood protective stains. Polyphase® 763CR also provides excellent protection against fungal and algal growth on caulks, sealants, and joint cements.

Product Highlights

- Controlled release algaeicide for longer lasting protection
- Broad-spectrum performance
- Highly effective against a variety of fungal & algal organisms
- Does not chalk on exposure
- Color stable in white paint

Physical Properties

The following are typical properties of Polyphase® 763CR; they are not to be considered product specifications.

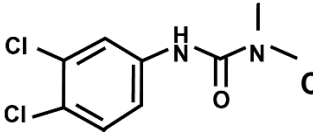
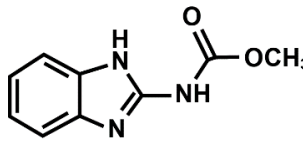
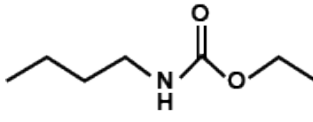
Appearance:	Off-white, creamy dispersion
Specific Gravity, 25°C:	1.14
pH (as is)	6.5
Viscosity, 25°C	1200

Formulating Considerations

Field testing of final products under actual use conditions is strongly recommended. All suggested use applications should be evaluated for final product efficacy, color uniformity, and for pH, temperature, and storage stability. Metal containers for formulated products should always be lined. Do not store formulated products for prolonged periods in iron or steel containers. 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 12 months from date of manufacture.

Active Substance

15.0% (<1% Free)	3-(3,4-dichlorophenyl)-1,1-dimethylurea	Diuron	 Diuron $C_9H_{10}Cl_2N_2O$
9.0%	Methyl 2-benzimidazolecarbamate	BCM	 BCM $C_9H_9N_3O_2$
3.0%	3-Iodo-2-propynyl butyl carbamate	IPBC	 IPBC $C_8H_{12}INO_2$

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.

Paint and Coatings

Polyphase® 763CR has been shown to be an excellent control agent against fungi and algae in water-based paints and coatings. In hot, humid areas where mold and mildew are a particularly severe problem, the higher application levels are suggested. Polyphase® 763CR should be added at the end after final pH adjustments have been made (not during the grind).

Wood Protective Stains (Water-Based)

Polyphase® 763CR offers broad-spectrum protection against the discoloration of the protective film due to fungi and algae. Polyphase® 763CR does not change the appearance of wood or have any influence on its coatability. Polyphase® 763CR is recommended only for pigmented wood stains. For clear and semi-transparent stains, performance tests should be conducted to ensure that Polyphase® 763CR does not affect the transparency of the final coating.

Caulks and Sealants

Polyphase® 763CR can be used to prevent the growth of fungal and algal organisms in wet and cured caulks and sealants. Polyphase® 763CR should be added towards the end of the production cycle with good agitation.

Function	% Wt/Wt
Paint	0.70 - 2.00%
Wood Protective Stains	0.50 - 2.00%
Masonry Coatings	0.20 - 0.60%
Roof Coatings	0.70 - 3.00%
Caulks & Sealants	0.50 - 1.50%
Stucco	0.50 - 1.50%
Joint Cements	0.50 - 1.20%

Packaging

Polyphase® 763CR is packaged in:

Package Type	Net Weight
Pail	40 lbs / 18.1 kg
Small Drum	66 lbs / 29.9 kg
Large Drum	463 lbs / 210 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

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