

DENSIL[®] ZOD

Dry Film Preservative

Paints & Coatings/US

EPA Registration No.: 1258-1345

Densil[®] ZOD Antimicrobial is a three-active blend formulated for use in exterior paint and coating formulations. Like our Zinc Omadine[®] ZOE product, it contains zinc pyrithione and it uses a proprietary color-stable technology

Application & Use

Densil[®] ZOD Antimicrobial is a color stable fine particle aqueous dispersion. It contains three active agents and the total active content is approximately 28%. The basic concept of Densil[®] ZOD Antimicrobial is to complement the durable, long-term, slow-leaching, lowwater solubility properties of zinc pyrithione with a secondary more water-soluble fungicide. Densil[®] ZOD Antimicrobial also contains a supplemental algaecide for complete dry-film protection.

Product Highlights

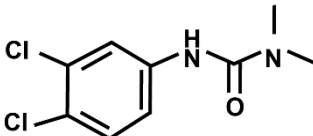
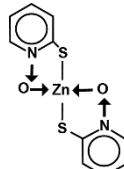
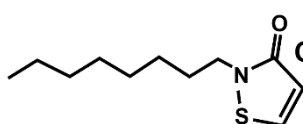
- Inhibits the growth of algae and fungi
- Zero VOC
- Color stable
- fine particle aqueous dispersion

Physical Properties

The following are typical properties of Densil[®] ZOD; they are not to be considered product specifications.

Appearance:	Liquid
Specific Gravity, 25°C:	1.5
pH (as is)	9
Solubility	Dispersible in water
Stability	Stable under all normal storage conditions.

Active Substance

15%	3-(3,4-dichlorophenyl)-1,1-dimethyl urea	Diuron	 <p>Diuron C₉H₁₀Cl₂N₂O</p>
10%	Zinc, 2-pyridinethiol-1-oxide	ZPT	 <p>Zinc Pyrithione C₁₀H₈N₂O₂S₂Zn</p>
3%	2-n-octyl-isothiazoline-3-one	OIT	 <p>OIT C₁₁H₁₉NOS</p>

Function/Activity

Cost-effective use level recommendation can only be established through testing of a specific formulation as it is intended for use in a specific application. Formulations differ in their composition and as a result, of their susceptibility to microbial attack. Conditions of use and the performance expectations differ from product to product. A high performance preserved product that is under consideration for use in humid environments is likely to need a high dose of biocide. In that scenario, testing at high biocide use levels would be recommended. Preserved product that is not intended for use in humid environments would likely need a lower dose. In that scenario, testing at low biocide use levels would be recommended. Therefore, while example use levels are provided below, the balance between biocide dosing, cost and performance requirements can only be determined by laboratory and field testing in the particular intended environment.

Function	% Wt/Wt
Paint	0.7–2.3
Wood stains	0.5–2.3
Masonry coatings, plasters and joint cements	0.2–1.2
Caulks, sealants, mastics, and stucco	0.5–2.0

Formulating Considerations

Densil® ZOD is heat stable and non-volatile and should be protected from frost. All suggested use applications should be evaluated for final product efficacy, color uniformity, pH, temperature, and storage stability prior to commercialization.

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.

Packaging

For available pack sizing, please contact your Arxada representative.

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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