

FUNGITROL® 11E

Dry-Film Preservative

Paints & Coatings
& Material Protection/US

EPA Registration No.:
66222-125-5383

Fungitrol® 11E is a powdered antimicrobial agent for use in solvent-based paints, stains, plastics, and wood/plastic composites.

Application & Use

Fungitrol® 11E is used to protect a wide variety of solvent-borne coatings and stains, plastics, nylons, and other materials that do not contain water.

Product Highlights

- Highly effective against a variety of microorganisms
- Suitable for use in solvent-borne paints
- Highly resistant to leaching, heat, and UV degradation
- Non-flammable

Physical Properties

The following are typical properties of Fungitrol® 11E; they are not to be considered product specifications.

Appearance: Off-white fine powder

Specific Gravity, 25°C: 1.75

Active Substance

95.9%	N-(trichloromethylthio)phthalimide	Folpet	 <p>Folpet $C_9H_4Cl_3NO_2S$</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. Suggested use levels are reported as percentage of the end-use product.

Paints and Stains

Fungitrol® 11E is a preservative suitable for use in solvent exterior paints and stains. The product is not solvated and after application of the coating, it remains on the surface of the cured film.

Plastics

Fungitrol® 11E is a very effective preservative for preventing the microbial deterioration of plastics. Fungitrol® 11E provides durable control, excellent heat and light stability, and compatibility with typical PVC formulations. Other product uses include: PVC and polyurethanes, olefins for carpet yarns, cordage and fibers, and marine tops, nylons and polyesters (not for clothing) for carpet yarns, cordage and fibers, and marine tops, urethanes for house wrap, insulation foams, automotive interiors, furniture coverings, hoses and tubing, gaskets, tarpaulins, and garden hoses, ABS and other styrenics for bath tubs, shower stalls, bathroom wall replacement panels, and wood plastic composites.

Function	% Wt/Wt
Plastics	0.25 - 0.75%
Paints & Stains	0.25 - 0.75%

Formulating Considerations

Fungitrol® 11E can require grinding to achieve a particle size necessary for any particular application. Fungitrol® 11E is not suitable for use in systems with high water content. All suggested use applications should be evaluated for final product efficacy, color uniformity, and for 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.

Shelf-life is 24 months from date of manufacture.

Packaging

Fungitrol® 11E is packaged in:

Package Type	Net Weight
Pail	55 lbs / 24.9 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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