



VINYZENE™ IT 3025 DOTP Antimicrobial

Phthalate-Free Antimicrobial Additive for Plastics

General

VINYZENE™ IT 3025 DOTP Antimicrobial is a solution of 2-n-octyl-4-isothiazolin-3-one in a nonvolatile phthalate-free carrier. VINYZENE antimicrobials are effective fungicides for use in vinyl, polyurethane and other polymeric compositions requiring fungal protection. Low levels of VINYZENE antimicrobials will provide long term preservation against fungal attack and will help prevent surface growth, permanent staining, embrittlement and premature product failure.

Physical Properties

The following are typical properties of VINYZENE IT 3025 DOTP Antimicrobial; **they are not to be considered product specifications.**

Active ingredient:	25%
Inert carrier:	75%
Appearance:	Light straw-colored, clear liquid
Odor:	Mild

Applications/ Directions for Use

VINYZENE IT 3025 DOTP is recommended for PVC, polyurethane and other polymer compounds. The antimicrobial is compatible with most polymer formulations and will not discolor or detract from the protected product's chemical or physical properties. VINYZENE antimicrobial solutions can be conveniently incorporated into the formulation during the mixing or compounding processes.

In general, VINYZENE IT 3025 DOTP is recommended at concentrations between 0.15% and 0.36%. For outdoor applications, a level of 0.36% is recommended in vinyl formulations for maximum effectiveness. Dow maintains extensive microbiological, chemical and physical testing facilities in order to assist the manufacturer in determining the optimum level of biocide agent required for each compound.

VINYZENE IT 3025 DOTP is incorporated into a compound by substituting the required level (0.15% to 0.36%) for an appropriate amount of plasticizer or polyol. It is important to remember that the cost of using VINYZENE antimicrobials is, therefore, calculated as the difference in cost between the VINYZENE antimicrobials and the replaced plasticizer.

VINYZENE antimicrobials should be added early in the blending operation to assure homogeneity.

Storage, Handling and Disposal

In its undiluted form, VINYZENE IT 3025 DOTP is corrosive to the skin and eyes. If VINYZENE IT 3025 DOTP is splashed in the eyes, flush with copious amounts of water and secure immediate medical attention. If it is splashed on the skin, wash thoroughly with soap and water. VINYZENE IT 3025 DOTP solutions are harmful if swallowed and should be kept out of reach of children.

Wear eye protection and rubber gloves when handling.

VINYZENE antimicrobials are toxic to fish and wildlife and should not be discharged where it will drain into lakes, streams, ponds, or public water.

VINYZENE™ antimicrobials should only be used as specified on the label.

Do not contaminate water, food or feed by storage or disposal.

Triple rinse empty containers and offer for recycling or reconditioning. Plastic drums which cannot be reconditioned and recycled should be punctured or crushed, and disposed of in landfill or other procedures approved by state and local authorities.

Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

Standard Packaging

Plastic Drum, 440 lbs net weight

Intermediate Bulk Container, 2200 lbs net weight

Safety Data Sheets

Safety Data Sheets (SDS) are available outlining hazards and safe handling methods. Contact Dow for copies of the SDS for this product and for other handling information.

Product Stewardship

Dow has a fundamental concern for all who make, distribute, and use its products, and for the environment in which we live. This concern is the basis for our product stewardship philosophy by which we assess the safety, health, and environmental information on our products and then take appropriate steps to protect employee and public health and our environment. The success of our product stewardship program rests with each and every individual involved with Dow products – from the initial concept and research, to manufacture, use, sale, disposal, and recycle of each product.

**For further information
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