

Thiokol/Ventron Division

VINYZENE SB-1

DESCRIPTION

Vinyzene SB-1 is a concentrate of 10,10'-oxybisphenoxarsine (OBPA) in a polymeric resin carrier. The product, supplied as a homogeneous solid in pelletized form, is recommended for PVC, polyurethane, polyolefin, nylon and other polymeric compositions requiring preservation against fungal and bacterial deterioration. Low levels of VINYZENE SB-1 will provide long term preservation against fungal and bacterial attack and will help prevent surface growth, permanent staining, embrittlement and premature product failure.

TYPICAL PROPERTIES

Composition:	
10,10'-oxybisphenoxarsine	5%
Resin carrier	95%
Pellet size:	Approx. 1/16" x 1/16"
Bulk density (ASTM-D1895):	50-53 lbs./cu. ft.
Appearance:	Clear light straw pellet
Torque Rheometer viscosity (Rheocord):	590 meter-grams
Glass transition temperature:	70 C (158 F)

RECOMMENDED USES

Interior Applications: such as PVC floor and wall coverings, coated fabrics for upholstery, interior automotive parts (including air-conditioner cases), refrigerator gaskets, shower curtains, and mattress covers, polyolefin waste receptacles, and polyethylene pipe wrap.

use 0.6% of VINYZENE SB-1 based upon the total weight of the formulation (6 lbs./1000 lbs of compound).

Exterior Applications: such as automotive landau tops, exterior automotive trim, tarpaulins, awnings, ditch and pool liners, marine upholstery, swimming pool liners, drainage hose, evaporation barriers, and underground cable jacketing.

use 1.0% VINYZENE SB-1 based upon the total weight of formulation (10 lbs./1000 lbs. of compound).

Carpet: such as nylon, polyolefin or polyester: (fiber, underlay and backing) for commercial application in hospitals, restaurants, offices,

use 1.0% Vinyzene based on the weight of the fiber. Vinyzene can be added at any convenient stage of the melt spinning operation.

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Effective preservation against growth of bacteria and fungi can be obtained with low levels of VINYZENE SB-1. The addition level is dependent upon the fungal and bacterial susceptibility of the product, the amount of preservation required, the ultimate use of the product and the degree of exposure to outdoor weathering or other conditions favorable for fungal and bacterial growth.

The recommended use levels are based upon tests conducted in Ventron laboratories and experience with exposure of product to actual service conditions. FUNGAL AND BACTERIAL SUSCEPTIBILITY TESTING AND ASSISTANCE IN DEVELOPING FORMULATIONS TO MEET YOUR SPECIFIC REQUIREMENTS ARE AVAILABLE FROM VENTRON.

APPLICATION

VINYZENE SB-1 not only eliminates dusting problems but reduces the need for special handling. It is compatible with most thermoplastic resins and will not discolor or detract from the product's chemical or physical properties.

VINYZENE SB-1 can be incorporated into the resin compound at any convenient stage of the manufacturing process. The product can be fed into an extrusion operation in much the same way as pelletized color concentrates. Since VINYZENE SB-1 is soluble in most common coating and printing ink solvents, it can be added directly to the vehicle during manufacture.

For those processors and compounders unable to use VINYZENE SB-1 in pellet form, other VINYZENE bacteriostatic and fungistatic compounds are available as 1% and 2% active solutions in various plasticizers and in several solvents. They are also available as 2% active anionic, cationic and nonionic emulsions. Call or write Ventron for data sheets.

STORAGE AND HANDLING

Avoid contact with skin. Wash after handling. Do not contaminate water by cleaning of equipment or disposal of waste. Use this product only in accordance with label recommendations.

Container Disposal

Remove empty polyethylene liners from the drum and incinerate the liner or dispose with other refuse.

Empty drums may be reconditioned and recycled. Alternatively, crush fiber drums and incinerate or dispose with other refuse. Metal drums that cannot be reconditioned and recycled, should be crushed and disposed in landfill.

Standard Package

• 50# net fiber drum
• 350# net fiber drum
• EPA Registration No.: 2829-115
Disclaimer