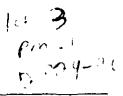
MORTON THIOKOL, INC.

Ventron Division

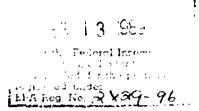




VINYZENE ANTIMICROBIALS

PRODUCT SERIES

BP-5-2 BP-5-2DIDP BP-5-2DOP BP-5-2PG BP-5-2S-160 BP-5-2U



CCEPTER

DESCRIPTION

VINYZENE antimicrobials are solutions of 10,10'-oxybisphenoxarsine (OBPA) in selected non-volatile plasticizer carriers. They are recommended for PVC, polyurethane and other plastics and synthetic rubbers. Low concentrations of VINYZENE antimicrobials will provide long-term protection against a broad spectrum of bacterial and fungal attack and will help prevent surface growth, musty odors, permanent staining, embrittlement and premature product failure.

APPLICATION

VINYZENE antimicrobials are recommended for film and sheeting, extruded profiles, plastisols, molded goods, organosols, fabric coatings and similar systems requiring an effective antimicrobial compound. These solutions are compatible with most polymer formulations and will not discolor or detract from the protected product's chemical or physical properties. VINYZENE products can be conveniently incorporated into the formulation.

Properly formulated plastics with VINYZENE protection will resist microbiological deterioration after long-term exposure to heat and severe weathering conditions.

Susceptible items successfully protected with VINYZENE:

SHOWER CURTAINS
FLOOR COVERINGS
WAL. COVERINGS
DITCH WINTERS
COATTA WARRETT
VINTUM WILLIAM
MART THE CONTRACTY

AUTO LANDAU TOPS
TARPAULINS
AWNINGS
REFRIGERATOR CASKETS
WEATHER STRIPPING
SWIMMING POOL LINERS
POLYURETHANE SLIPPERS-

TYPICAL PROPERTIES

PRODUCT	CARRIER	Z OBPA	SPECIFIC GRAVITY 25°C	FLASH POINT	<u>OH#</u>	<u>H</u> ₂ <u>O(Z)</u>
BP-5-2 BP-5-2DIDP BP-5-2DOP		2.0 2.0 2.0	0.997 0.956 0.974	430°F 285°F 285°F		
BP-5-2PG BP-5-2S-160 BP-5-2U		2.0 2.0 2.0	1.010 1.110 1.15	450°F 410°F 365°F	57.6 225	0.05

RECOMMENDED USE LEVELS

VINYZENE BP-5-2 formulations are incorporated into a compound by substituting the required level (1.5% or 2.5%)* for an equal amount of plasticizer or polyol. For example, in 1000 lbs. of a compound containing 300 lbs, of DOP plasticizer and requiring a 2.5% VINYZENE level, 25 lbs. of the DOP would be replaced with 25 lbs. or VINYZENE BP-5-2DOP. It is important to remember that the cost of using VINYZENE is, therefore, calculated as the difference in cost between the VINYZENE and the replaced plasticizer. (*Based on the total weight of the compound).

Roofing membranes, drainage application, <u>foam gaskets (e.g. for air conditioner)</u> and similar rigorous applications may require a higher dosage level, up to 10% VINYZENE BP-5-2 (equivalent to 2000 ppm of the active ingredient).

HANDLING PRECAUTIONS

In their undiluted form, VINYZENE antimicrobials are skin irritants and contact with the skin or eyes should be avoided. If VINYZENE 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 solutions are harmful if swallowed and should be kept out of the reach of children.

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

Wear eye protection and rubber gloves when handling.

VINYZENE BP-5-2 formulations should only be used as specified on the ... container labeling.

STORAGE AND DISPOSAL

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

Triple rinse empty containers and offer for recycling or reconditioning. Metal drums that cannot be reconditioned and recycled, should be punctured or crushed and disposed of in landfill, or other procedures approved by stage 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 PACKAGE AND EPA REGISTRATION NUMBER

BP-5-2	Steel drum	, 450	lbs.	net	weight	_	EPA	2829-96
BP-5-2DIDP	Steel drum	, 430	lbs.	net	weight		EFA	2829-96
BP-5-2DOP	Steel drum	, 450	lbs.	net	weight	-	EPA	2829-96
BP-5-2PG	Steel drum	, 450	lbs.	net	weight	_	EPA	2829-96
BP-5-2S-160	Steel drum	, 450	lbs.	net	weight	-	EPA	2829-96
BP-5-2U	Steel drum	450	lbs.	net	veight	_	EPA	2829-96

All information contained herein is believed to be accurate, but the accuracy or completeness thereof is not guaranteed and no warranty is made with respect thereto. Seller makes no warranty, expressed or implied, concerning the use of this product, other than as indicated on the label. Buyer assumes all risk of use and/or handling of this material when such use and/or handling is contrary to label instructions. Nothing contained herein is intended as a recommendation to use our products so as to infringe any patent. We assume no liability for customer's violation of patent or other rights. The customer should make his own patent investigation relative to his proposed use.

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