

Vinyzene[®] BP-5-2

Bacteriostatic & Fungistatic Additive for Vinyl Compounds

CAUTION



Keep Out of Reach of Children — Do not allow in direct contact with skin. Do not allow material to be splashed in eyes. Avoid contact with clothing. Harmful if swallowed. Wear eye protection and rubber gloves when handling.

If splashed on skin, wash thoroughly with soap and water. If splashed in eyes, wash eyes immediately with copious amounts of water and secure medical attention immediately. Wash after handling.

This product is toxic to fish and wildlife. Treated effluent should not be discharged where it will drain into lakes, streams, ponds or public water. Do not contaminate water by cleaning of equipment or disposal of wastes. Apply this product only as specified on this labeling.

Do not reuse empty drum. Return to drum reconditioner or destroy by perforating or crushing and burying in a safe place.

DIRECTIONS FOR USE

A level of 1 1/2% VINYZENE BP-5-2, based on total weight of formulation, will give excellent control against bacteria and mold organisms. This level is recommended for shower curtains, wall coverings, mattress covers and similar items. Add to vinyl formulation in place of an equivalent amount of plasticizer.

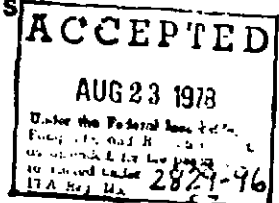
For certain vinyl items which may be subjected to extended outdoor weathering, a level of 2 1/2% VINYZENE BP-5-2 should be evaluated. Such items would include vinyl tarpaulins procured by military and naval agencies for protection of items subjected to extended outdoor storage.



NOTICE TO USER

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Active Ingredients
10,10'-oxybisphenoxarsine
(Total arsenic as elemental as 0.00%)
(Water soluble arsenic as elemental
as - Less than 0.01%)
Inert Ingredients



20%

78.0%
100.0%

READ THIS LABELING BEFORE USING

U. S. Patent No. 3,288,674

Licensed for use under U.S. Patent No. 3,060,252

EPA REGISTRATION NO. 2829-96

EPA EST. REGISTRATION NO. 2829-IL-1

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Seller makes no warranty, expressed or implied, concerning the use of this product other than indicated on the labeling. Buyer assumes all risk of use and/or handling of this material when such use and/or handling is contrary to labeling instructions.

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This product is toxic to fish and wildlife. Treated effluent should not be discharged where it will drain into lakes, streams, ponds or other water. Do not contaminate water by cleaning of equipment or disposal of wastes. Apply this product only as specified on this labeling.

Do not reuse empty drum. Return to drum reconditioner or destroy by perforating or crushing and burying in a safe place.

DIRECTIONS FOR USE

A level of 1.1-2% VINYZENE BP-5-2 based on total weight of formulation will give excellent control against bacteria and mold organisms. This level is recommended for shower curtains, wall coverings, mattress covers, and similar items. Add to vinyl formulation in place of the equivalent amount of plasticizer.

For certain vinyl items which may be subjected to extended outdoor weathering, a level of 2.1-2% VINYZENE BP-5-2 should be evaluated. Such items would include vinyl tarpaulins produced by military and naval agencies for protection of items subjected to extended outdoor storage.

NOTICE TO USER



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Active Ingredients:
10,10'-oxybisphenoxarsine
Total arsenic, as elemental as
Water soluble arsenic, as elemental
as: Less than 0.01%
Inert Ingredients

ACCEPTED
FOR SALE

READ THIS LABELING BEFORE

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PRODUCT SERIES

- BP-5-2
- BP-5-2DIDP
- BP-5-2DOP
- BP-5-2ERLA
- BP-5-2OL
- BP-5-2PG
- BP-5-2S160

DESCRIPTION

VINYZENE antimicrobials are solutions of 10, 10'-oxybisphenoxarsine (OBPA) in selected non-volatile plasticizer carriers. They are recommended for PVC, polyurethane, and ethylene-vinylacetate copolymer formulations. 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.

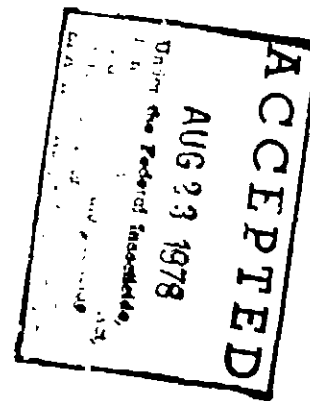
Properly formulated plastics with VINYZENE protection will resist microbiological deterioration after long-term exposure to heat and severe weathering conditions.

VENTRON CAN PROVIDE MICROBIOLOGICAL SUSCEPTIBILITY TESTING AND ASSISTANCE IN DEVELOPING FORMULATIONS TO MEET YOUR SPECIFIC REQUIREMENTS.

Susceptible items successfully protected with VINYZENE:

- SHOWER CURTAINS
- FLOOR COVERINGS
- WALL COVERINGS
- DITCH LINERS
- COATED FABRICS
- VINYL MOLDING
- MARINE UPHOLSTERY
- AUTO LANDAU TOPS
- TARPAULINS
- AWNINGS
- REFRIGERATOR GASKETS
- WEATHER STRIPPING
- SWIMMING POOL LINERS

Ventron Corporation/Chemicals Division
Congress St., Beverly, MA 01915
(617) 922-1875 TWX 710-347-1390



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TYPICAL PROPERTIES

PRODUCT	PLASTICIZER	% OBPA	SPECIFIC GRAVITY 25° C	FLASH POINT
BP-5-2	Epoxidized soybean oil	2.0	0.997	430 F
BP-5-2DIDP	Diisodecyl phthalate	2.0	0.956	285 F
BP-5-2DOP	Di(2-ethylhexyl)phthalate	2.0	0.974	285 F
BP-5-2ERLA	Epoxy plasticizer	2.0	1.156	383 F
BP-5-2OL	1, 4-butanediol	2.0	1.020	250 F
BP-5-2PG	Polypropylene glycol	2.0	1.010	450°F
BP-5-2S160	Butyl benzyl phthalate	2.0	1.110	410 F

RECOMMENDED USE LEVELS

Interior Applications: VINYZENE BP-5-2 series - 1.5%

Exterior Applications: VINYZENE BP-5-2 series - 2.5%

The recommended use levels are based upon tests conducted in Ventron Laboratories and exposure of products to actual service conditions. Recommendations on formulation parameters for products are available from Ventron.

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. 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. of 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.

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.

STANDARD PACKAGING 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 - EPA 2829-96
BP-5-2DOP	Steel drum, 450 lbs. net weight - EPA 2829-96
BP-5-2-ERLA	Steel drum, 450 lbs. net weight - EPA 2829-96
BP-5-2-OL	Steel drum, 450 lbs. net weight - EPA 2829-96
BP-5-2-PG	Steel drum, 450 lbs. net weight - EPA 2829-96
BP-5-2-S160	Steel drum, 450 lbs. net weight - EPA 2829-96

SELLER MAKES NO WARRANTY, EXPRESSED OR IMPLIED, CONCERNING THE USE OF THIS PRODUCT OTHER THAN INDICATED ON THE LABELING. BUYER ASSUMES ALL RISK OF USE AND/OR HANDLING OF THIS MATERIAL WHEN SUCH USE AND/OR HANDLING IS CONTRARY TO LABELING INSTRUCTIONS.

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