 <p>U.S. ENVIRONMENTAL PROTECTION AGENCY Office of Pesticide Programs Registration Division (H7505C) 401 "M" St., S.W. Washington, D.C. 20460</p> <p>NOTICE OF PESTICIDE: <input checked="" type="checkbox"/> Registration <input type="checkbox"/> Reregistration</p> <p>(under FIFRA, as amended)</p>	EPA Reg. Number: 2829-140	Date of Issuance: SEP 30 1997
	Term of Issuance: Conditional	
	Name of Pesticide Product: Vinyzene SB-27	
Name and Address of Registrant (include ZIP Code): Morton International Inc. 150 Andover Street Danvers, MA 01923		
<p>Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product, always refer to the above EPA registration number.</p> <p>On the basis of information furnished by the registrant, the above named pesticide is hereby registered reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.</p> <p>Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.</p> <p>This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:</p> <ol style="list-style-type: none"> 1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4. 2. Add the phrase "EPA Registration Number "2829-140". 		
Signature of Approving Official: Marshall Swindell Acting Product Manager (33) Regulatory Management Branch 1 Antimicrobial Division (7510W)	<p><i>Martha S. Ferry</i></p> <p>Date: SEP 30 1997</p>	

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3. The Confidential Statement of Formula (CSF) dated June 10, 1997 is in compliance with PR Notice 91-2, it agrees with the label and is acceptable.

3. Submit two (2) copies of final printed labels before you release the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

If you have any questions concerning this letter, please contact Martha L. Terry at (703) 308-6217.

Sincerely,



Marshall Swindell
Acting Product Manager (33)
Regulatory Management Branch 1
Antimicrobial Division (7510W)

Enclosure

VINYZENE[®] SB-27

FUNGISTATIC ADDITIVE FOR PLASTICS

L3060-0

Prod. No. 42326905

ACTIVE INGREDIENT

4,5-DICHLORO-2-N-OCTYL-4-ISOTHIAZOLIN-3-ONE 10.0%

INERT INGREDIENTS

TOTAL 90.0%

TOTAL 100.0%

KEEP OUT OF REACH OF CHILDREN

CAUTION

READ THIS LABELING BEFORE USING

FOR ADDITIONAL INFORMATION SEE MATERIAL SAFETY DATA SHEET

EPA REGS. NO. 2829-140

EPA EST. NO. 2829-IL-1

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Causes eye and skin irritation. Harmful if swallowed and absorbed through skin. Avoid contact with eyes, skin or clothing. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals. Wash thoroughly with soap and water after handling.

STATEMENT OF PRACTICAL TREATMENT

IF EYE CONTACT OCCURS, flush immediately with water for at least 15 minutes. Call a physician. IF SKIN CONTACT OCCURS, wash thoroughly with soap and water. IF SKIN IRRITATION OCCURS, call a physician. IF SWALLOWED, seek medical attention. Unless advised otherwise, induce vomiting by giving either syrup of ipecac followed by 2 glasses of water or by sticking finger down throat. Never give anything by mouth to an unconscious person.

SEE RIGHT PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS



Morton Plastics Additives
150 Andover Street, Danvers, MA 01923-1480 508/774/3100
For medical emergency call CHEMTREC 1-800/424-9300

ENVIRONMENTAL HAZARDS This product is toxic to fish and wildlife. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or public waters unless this product is specially identified and addressed in an NPDES permit. Do not discharge effluent containing this product to sewer systems without previously notifying the sewage treatment plant authority. For guidance, contact your state water board or Regional Office of the EPA. Do not contaminate water by cleaning of equipment or disposal of waste. Apply this product only as specified on this label.

STORAGE AND DISPOSAL Do not contaminate water, food or feed by storage or disposal. Triple rinse empty containers and offer for recycling. **CONTAINER DISPOSAL:** metal drums that cannot be reconditioned and recycled, should be punctured or crushed and disposed of in a landfill, or other procedures approved by state and local authorities.

PESTICIDE DISPOSAL: Pesticide wastes are toxic. Improper disposal of excess pesticides, 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.

DIRECTIONS FOR USE NOTICE TO USER: It is a violation of federal law to use this product in a manner inconsistent with its labeling. **INTERIOR APPLICATIONS:** such as PVC flooring and wallcoverings, coated fabrics for upholstery, interior automotive parts, refrigerator gaskets, shower curtains, and mattress covers. Use 1.2% of Vinyzene SB-27 based upon the total weight of the formulation (12 lbs/1000 lbs of compound). **EXTERIOR APPLICATIONS:** such as automotive landau tops, exterior automotive trim, tarpaulins, awnings, ditch and pond liners, marine upholstery, swimming pool liners. Use 2.0% of Vinyzene SB-27 based upon the total weight of the formulation (20 lbs/1000 lbs of compound).

Products containing "Vinyzene SB-27" may not make claims of antimicrobial activity other than protection of the article itself against growth of bacteria and mold in the treated article. If growth of bacterial and mold in the treated article would lead to unpleasant odors and discoloration of the treated article, then such a claim may be made.

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

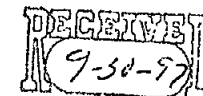
DRUM NO. 0000
ACCEPTED
with COMMENTS
in EPA Letter Dated:

LOT NO.

NET WT.

SEP 30 1997

Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide,
registered under EPA Reg. No.
2829-140



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Vinyzene® SB-27 Antimicrobial Additive for Plastics

Product Description

VINYZENE SB-27 is a concentrate of dichloro 2-n-octyl-4-isothiazolin-3-one in a polymeric resin carrier. The product, supplied as a homogeneous solid in pelletized form, is recommended for PVC and other polymeric compositions requiring preservation against fungal and bacterial deterioration. Low levels of VINYZENE SB-27 will provide long term preservation against fungal and bacterial attack, embrittlement and premature product failure.

Typical Properties

Composition:

dichloro 2-n-octyl-4-isothiazolin- 3-one: 10.0%
Resin Carrier: PVC 62.0%
Inert Ingredients 28.1%

Pellet Size: Approx. 1/16" x 1/16"

Bulk Density (ASTM-D 1895): 80.1 kg/cu.meter

Specific Gravity: 1.25 @ 21°C

Appearance: Clear, Light Straw Pellet

Torque Rheometer Viscosity

(Rheocord): 610 meter-grams

Melting Point (ASTM D3418) 63°C (146°F)

Application

The most commonly used methods for preserving plastics against fungal and bacterial attack are to add liquid solutions of additives (such as the VINYZENE IT series) or to add pure active ingredient in powdered form. Such highly concentrated powders are often toxic and must be handled with extreme caution; they can present hazards to production personnel due to dusting problems and also can cause contamination of processing equipment.

Liquid systems have eliminated the dusting problem, but care still has to be taken to minimize contact with the skin and eyes of production workers. Rubber gloves and goggles are usually recommended to insure safe handling.

**registered trademarks of Morton International, Inc.*

To the best of our knowledge the information contained herein is correct. All products may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist. Final determination of suitability of the product is the sole responsibility of the user. Users of the product should satisfy themselves that the conditions and methods of use assure that the product is used safely. NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR

VINYZENE SB-27 not only eliminates dusting problems, but also 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-27 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. Properly formulated compounds containing VINYZENE SB-27 will resist fungal and bacterial deterioration after long term exposure to heat and severe weathering conditions.

For those processors and compounders unable to use VINYZENE SB-27 in pellet form, other VINYZENE fungistatic compounds are available as 4%, 20% and 25% active solutions in various plasticizers. Call or write Morton International, Inc., Morton Plastics Additives for data sheets.

Recommended Use Levels

Effective preservation against the growth of fungi and bacteria can be obtained with low levels of VINYZENE SB-27. 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.

Products containing "VINYZENE SB-27" may not make claims of antibacterial activity other than protection of the article itself against growth of bacteria and mold in the treated article. If growth of bacterial and mold in the treated article would lead to unpleasant odors and discoloration of the treated article, then such a claim may be made.

The following recommended use levels are based upon tests conducted in Morton laboratories and experience with exposure of products to actual service conditions. FUNGAL AND BACTERIAL SUSCEPTIBILITY TESTING AND ASSISTANCE

PURPOSE OR ANY OTHER NATURE ARE MADE HEREUNDER WITH RESPECT TO THE INFORMATION CONTAINED HEREIN OR THE PRODUCT TO WHICH THE INFORMATION REFERS. Nothing 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.

9-30-97

IN DEVELOPING FORMULATIONS TO MEET YOUR SPECIFIC REQUIREMENTS ARE AVAILABLE FROM MORTON INTERNATIONAL.

Interior Applications: such as PVC floor and wall coverings, coated fabrics for upholstery, interior automotive parts, refrigerator gaskets, shower curtains and mattress covers.

Use 0.8 to 1.2% of VINYZENE SB-27 based upon the total weight of the formulation (8 to 12 kg/100 kg of compound)

Exterior Applications: such as automotive landau tops, exterior automotive trim, tarpaulins, awnings, ditch and pool liners, marine upholstery and swimming pool liners.

Use 1.2 to 2.0% of VINYZENE SB-27 based upon the total weight of formulation (12 to 20 kg/1000 kg of compound).

Fungal and bacterial activity under severe outdoor exposure is influenced by the overall weatherability of the plastic system. Recommendations on formulation parameters for products subjected to long term outdoor exposure are available from Morton International.

Products containing "VINYZENE SB-27" may not make claims of antimicrobial activity other than protection of the article itself against growth of bacteria and mold in the treated article. If growth of bacterial and mold in the treated article would lead to unpleasant odors and discoloration of the treated article, then such a claim may be made.

Toxicology

Extensive toxicological studies have been carried out by recognized independent testing laboratories. Based on these tests, VINYZENE SB-27 has been classified as falling in category III of the Section III regulations of the FIFRA Act as Amended in 1972. The precautionary statements specified for this category are printed on the product label.

Storage and Disposal

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

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 National, State or Local Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

EPA REQUIRES THAT ANY PESTICIDE PRODUCT SHOULD ONLY BE USED AS SPECIFIED ON THE CONTAINER LABEL.

Standard Package

159 kg net steel drum

EPA Reg. No. 2829-140
EPA ESTAB. No. 2829-IL-1

9-30-97