

U.S. ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF PESTICIDES PROGRAMS
REGISTRATION DIVISION (WH-567)
WASHINGTON, D.C. 20460

EPA REGISTRATION NO.
2829-96

DATE OF ISSUANCE
AUG 26 1985

NOTICE OF PESTICIDE: REGISTRATION
 REREGISTRATION

TERM OF ISSUANCE

NAME OF PESTICIDE PRODUCT

(Under the Federal Insecticide, Fungicide,
and Rodenticide Act, as amended)

Vinyzene BP-5 DIDP

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

Morton Thiokol/Ventron Div.
150 Andover Street
Danvers, MA 01923

656 - 156736
- 17 - 6

NOTE: Changes in labeling formula 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 U.S. EPA registration number.

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.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an endorsement or approval of this product by this 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.

Based on your response to the Registration Standard Guidance Package, EPA has reregistered the product listed above. Enclosed is a copy of your label stamped "Accepted." This registration is granted under the authority of section 3(g) of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended.

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, is acceptable subject to the comments listed below. Five copies of the finished labeling must be submitted.

1. Add pesticide and container disposal headings.

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

Henry M. Jacoby
Product Manager (21)
Fungicide-Herbicide Branch
Registration Division (TS-767)

Enclosure

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL

H. M. Jacoby

DATE

8/26/85

346 156737
17 2

AUG 26 1985

Morton Thiokol/Ventron Div.
150 Andover Street
Danvers, MA 01923

Attention: T. C. McEntee

Gentlemen:

Subject: Vinyzene BP-5-2
EPA Registration No. 2829-96
Your Letter Dated May 30, 1985, and Request for
Alternate Formulation Dated March 14, 1985

There is no objection to the use of the alternate formulation requested in your letter of the above date. The amendment has been inserted in the file for the subject product.

The formulation with diisooctyl phthalate is not acceptable (see April 29, 1985, letter).

Sincerely yours,



Henry M. Jacoby
Product Manager (21)
Fungicide-Herbicide Branch
Registration Division (TS-767)

RD/FHB:JOB:88655:Hundemann:RD-19:Kendrick:898-1270:8/1/85:del.8/13/85:dej

CONCURRENCES

SYMBOL ▶	SURNAME ▶	DATE ▶						

If on Skin: Wash with plenty of soap and water.
 If in Eyes: Hold eyelids open and flush with a steady stream of water for 15 min.
 If Swallowed: Induce vomiting; drink promptly large quantities of water and induce vomiting by touching the back of the throat with fist or other emetic, such as syrup of ipecac or 2 teaspoons of salt dissolved in a glass of water. Do not induce vomiting or give anything by mouth to an unconscious person. Get medical attention.
 Note to physician: BAL is the antidote of choice.

Vinyzene® BP-5-2

Bacteriostatic & Fungistatic Additive for Vinyl Compounds
PRECAUTIONARY STATEMENTS

Active ingredient
 10, 10'-oxybisphenoxarsine
 (Total arsenic as elemental As - 0.80%)
 (Water-soluble arsenic as elemental As -
 Less than 0.01%)
 Inert ingredients:

Hazards to humans and domestic animals.
 Corrosive. Causes burns and irreversible eye damage. Do not get in eyes, on skin, or on clothing. Careful if swallowed. Wear goggles (or face shield), rubber gloves and protective clothing. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

not apply directly **ENVIRONMENTAL HAZARDS**
 water.

Do not contaminate water by cleaning of equipment or disposal of wastes. 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. Metal drums that cannot be reconditioned and recycled, should be punctured or crushed and disposed of in a landfill, or other procedure 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 of 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.
 A level of 1% 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.
 For certain vinyl items which may be subjected to extended outdoor weathering, a level of 2% VINYZENE BP 5-2 should be evaluated. Such items would include vinyl tarpaulins procured by military and naval agencies for protection on items subjected to extended outdoor storage.

KEEP OUT OF REACH

DANGER

See side panel for additional information

**READ THIS LABELING
 FOR ADDITIONAL INFORMATION**

U.S. Patent No. 3,111,111

Licensed for use under U.S. Patent No. 3,111,111

EPA REGISTRATION NO. 100-100000

EPA EST. REGISTRATION NO. 100-100000

Seller makes no warranty, expressed or implied, other than indicated on the labeling. Buyer assumes all liability of this material when such use and/or handling.

ACCEPTED

In EPA Label Dated:

1985

AUG 26 1985

Under U.S. Fungicide, Insecticide, and Plant Growth Regulator Act as amended, this pesticide registered under EPA Reg. No. 100-100000-2829-26

- FUR
- BA
- SP

MORTON THIOKOL, INC.

Centron Division

50 Andover Street, Danvers, MA 01923

PRODUCT SERIES

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

with...
in 1974. Later Dated:

REREGISTERED
AUG 6 1985

Insecticide,
Fungicide, and
Antimicrobial Pesticide
Registration EPA Reg. No.
2829-26

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.

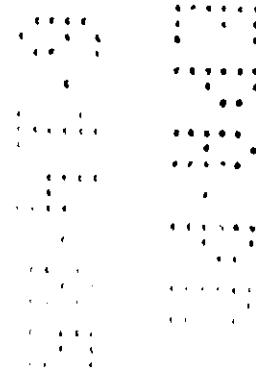
Properly formulated plastics with VINYZENE protection will resist microbiological deterioration after long-term exposure to heat and severe weathering conditions.

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 HOLDING
- MARINE UPHOLSTERY

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



MORTON THIOKOL INC.

Ventron Division

TYPICAL PROPERTIES

<u>PRODUCT</u>	<u>PLASTICIZER</u>	<u>% OBPA</u>	<u>SPECIFIC GRAVITY 25°C</u>	<u>FLASH POINT</u>	<u>OH#</u>	<u>H₂O(%)</u>
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-5-2PG	Polypropylene glycol	2.0	1.010	450°F	57.6	0.05
BP-5-2S-160	Butyl benzyl phthalate	2.0	1.110	410°F		
BP-5-2U	Poly (diethylene adipate)	2.0	1.15	365°F	225	0.05

RECOMMENDED USE LEVELS

Interior Applications: VINYZENE BP-5-2 Series - 1.5% based on the total weight of the compound.

Exterior Applications: VINYZENE BP-5-2 Series - 2.5% based on the total weight of the compound. Roofing membranes and drainage pipe/hose: 10% based on the total weight of the compound.

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 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. 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.

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 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 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 - EPA 2829-96
BP-5-2DOP	Steel drum, 450 lbs., ent 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 weight - EPA 2829-96

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.