

U.S. ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF PESTICIDES PROGRAMS
REGISTRATION DIVISION (WP: 557)
WASHINGTON, D.C. 20460

EPA REGISTRATION NO.
2829-109

DATE OF ISSUANCE
AUG 26 1985

TERM OF ISSUANCE

NOTICE OF PESTICIDE: REGISTRATION
 REREGISTRATION

NAME OF PESTICIDE PRODUCT

Vinyzene BP-5 -2MS

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

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

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

656 156706
17 4

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. See August 23, 1983, letter and comply with comment 11.
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

[Handwritten Signature]

DATE 8/26/85

Thiokol/Ventron Division

VINYZENE® ANTIMICROBIALS

Antimicrobial Additives for Plastics

PRODUCT SERIES

BP-5-2 MEK

BP-5-2 MS

DESCRIPTION

VINYZENE BP-5-2 MEK AND BP-5-2 MS are antimicrobial solvent solutions of 10,10'-oxybisphenoxarsine (OBPA). They are recommended for PVC, polyurethane and other polymeric compounds requiring protection against microbiological deterioration. Low levels of BP-5-2 MEK or BP-5-2 MS will provide long term protection against bacterial and fungal attack and will help prevent surface growth, permanent staining, embrittlement and premature product failure.

TYPICAL PROPERTIES

<u>Composition</u>	<u>BP-5-2 MEK</u>	<u>BP-5-2 MS</u>
10,10'-oxybisphenoxarsine, percent:	2.0	2.0
Solvent carrier:	Methyl ethyl ketone	Mineral spirits
Specific gravity, 20°C:	0.822	0.795
Flash point, COC:	35°F	105°F

APPLICATION

VINYZENE BP-5-2 MEK and BP-5-2 MS are recommended for organosols, plastisols, solvent solution coatings, adhesives and sealants. Plastic compounds protected with BP-5-2 MEK and BP-5-2 MS include coatings for fabrics; metal and wood; automotive and construction sealants; adhesives; and other products subject to microbiological deterioration.

BP-5-2 MEK and BP-5-2 MS are equally effective in their antimicrobial activity and differ only in the solvent carrier. BP-5-2 MEK is recommended for systems requiring a polar solvent and BP-5-2 MS where mineral spirits is compatible with the resin solution. VINYZENE Antimicrobials are also available as 1% and 2% active solutions in various plasticizers, and as emulsions for latex and water based systems.

VINYZENE BP-5-2 MEK and BP-5-2 MS provide effective protection against a broad spectrum of bacteria and fungi. They are particularly active against the common microorganisms that stain and permanently discolor flexible vinyl products and coatings. Low levels of VINYZENE will help prevent unsightly surface fungal growth and reduce musty odors.

ACCEPTED
with COMMENTS
in EPA Letter dated:

REREGISTERED

AUG 26 1985

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

2829-109

VINYZENE BP-5-2 solvent formulations are incorporated into a compound by substituting the required level (1.5% or 2.5%) for an equal amount of solvent normally used. For example, in a coating formulation cont. 1000 lbs. of solids and requiring 2.5% VINYZENE, 25 lbs. of solvent would be replaced with 25 lbs. of VINYZENE. 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 solvent.

HANDLING AND TOXICOLOGY

VINYZENE BP-5-2 MEK and BP-5-2 MS contain volatile solvents and must be handled with care and not exposed to heat or open flames.

In undiluted form, VINYZENE BP-5-2 MEK and BP-5-2 MS are moderate skin irritants and contact with the skin or eyes should be avoided. If splashed in the eyes, flush eyes with copious amounts of water and secure immediate medical attention. If splashed on the skin, wash thoroughly with soap and water.

VINYZENE BP-5-2 MEK and BP-5-2 MS are harmful if swallowed and should be kept out of the reach of children. VINYZENE BP-5-2 MEK and BP-5-2 MS are toxic to fish and wildlife. VINYZENE 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, of the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

VINYZENE BP-5-2 MEK and BP-5-2 MS should only be used as specified and not in materials which will have prolonged skin contact, or in adhesives which will be used for food packaging.

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 MS	Steel drum,	lbs. net weight - EPA 2829-109
BP-5-2 MEK	Steel drum,	lbs., net weight - EPA 2829-110

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

FIRST AID

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 finger or other object, 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: DAL is the antidote of choice.

REREGISTERED

AUG 23 1985

Under Fungicide, Insecticide, and Molluscicide Act as amended, for the pesticide registered under EPA Reg. No. 2829-109

Vinyzene® BP-5-2MS

Fungistatic Additive for Thermoplastic-Based Adhesives

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Corrosive. Causes burns and irreversible eye damage. Do not get in eyes, on skin, or on clothing. Harmful 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.

Active ingredient: 10, 10'-Dxybisphenoxarsine (Total arsenic as elemental As 0.60%) (Water soluble arsenic as elemental As Less than 0.01%) Inert ingredients

ENVIRONMENTAL HAZARDS

DO NOT APPLY DIRECTLY TO 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 procedures approved by state and local authorities.

CONTAINER DISPOSAL

PESTICIDE DISPOSAL

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.

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 1.5% VINYZENE BP 5 2MS based on total weight of formulation will give excellent results against mold and mildew. This level is recommended for adhesives used with wall coverings and similar items. It should be added with agitation to the finished adhesive system just prior to packaging. Do not use on clothing or other materials which will have prolonged contact with skin.

For certain vinyl items which may be subjected to extended outdoor weathering a level of 2.5% VINYZENE BP 5 2MS should be evaluated. Such items would include automotive, window tops, etc.

KEEP OUT OF REACH OF DANGER

KEEP AWAY FROM HEAT AND OPEN FLAME READ THIS LABELING BEFORE USING FOR ADDITIONAL INFORMATION SEE BULLETIN

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

Licensed for use under U.S. Patent No. 3,069,241

EPA REGISTRATION NO 2829-109

EPA EST REGISTRATION NO 2829-IL-1

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