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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

Elizabeth J. Weibert
Labels and Registration Specialist
Valent U.S.A. Corporation
1333 North California Blvd.
Suite 600
P.O. Box 8025
Walnut Creek, CA 94596-8025

Dear Ms. Weibert:

SUBJECT: Review of Revised Confidential Statements of Formula
SUMAGIC® Plant Growth Regulator
EPA Reg. No. 59639-37
Review of Revised Labeling
VALENT® Uniconazole-P Technical
EPA Reg. No. 59639-38 ✓
Your Letter Dated 09/08/93

SUMAGIC® Plant Growth Regulator (EPA Reg. No. 59639-37)

There is no objection to the use of the BASIC formulation dated 08/24/93 for EPA Reg. No. 59639-37. The amendment has been inserted in the file for the subject product.

VALENT® Uniconazole-P Technical (EPA Reg. No. 59639-38) ✓

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

1. Modify the ENVIRONMENTAL HAZARDS section to read the following:

"Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact our State Water Board or Regional Office of the EPA."

2. Delete the heading "INSTRUCTIONS FOR FORMULATION". The statement "It is a violation of Federal Law to use this product in a manner inconsistent with its labeling." should go under the **Directions for Use** section.

If you have any questions, please contact Terri Stowe of my staff at (703) 305 - 6117.

Sincerely yours,

(S)

Cynthia Giles-Parker
Product Manager (22)
Fungicide-Herbicide Branch
Registration Division (H7505C)

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ACCEPTED
with COMMENTS
in EPA Letter Dated:

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Harmful if swallowed or absorbed through skin. Causes eye injury. Avoid contact with eyes, skin and clothing. Wash thoroughly with soap and water after handling.

STATEMENT OF PRACTICAL TREATMENT

If swallowed, contact physician, Poison Control Center, or emergency clinic before inducing vomiting. Give water or milk to drink and induce vomiting by touching back of throat with finger, or administering syrup of ipecac. Do not induce vomiting or give anything by mouth to an unconscious person. If medical advice cannot be obtained, take person and product container to the nearest emergency treatment facility. If in eyes, flush eyes immediately with fresh water for 15 minutes. If irritation continues, see a doctor. If on skin, wash with plenty of soap and water. Get medical attention.

Note to Physicians: Emergency Information—call 1-800-457-2022

ENVIRONMENTAL HAZARDS

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or public waters unless this product is specifically 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.

INSTRUCTIONS FOR FORMULATION

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

READ ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH PRECAUTIONARY STATEMENTS AND DIRECTIONS AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS.

A PLANT GROWTH REGULATOR FOR FORMULATION USE ONLY.

THIS PRODUCT IS FOR USE IN THE FURTHER PREPARATION OF PLANT GROWTH REGULATOR PRODUCTS. CONTACT VALENT U.S.A. CORPORATION FOR SPECIFIC FORMULATING INFORMATION. DO NOT USE FOR ANY OTHER PURPOSES. This material is a triazole plant growth regulator. Products formulated with VALENT Uniconazole-P Technical will require registration with the Environmental Protection Agency.

VALENT Uniconazole-P

COPY A

75.5%

COPY B

24.5%



**VALENT®
Uniconazole-P Technical**

Active Ingredient	
*Uniconazole-P	73.5%
Inert Ingredients	26.5%
*(E)-(+)-(S)-1-(4-chlorophenyl)-4,4-dimethyl-2-(1,2,4-triazol-1-yl)-pent-1-ene-3-ol	
U.S. Pat. Nos. 4,203,995, 4,435,232 and 4,554,007	

**KEEP OUT OF REACH OF CHILDREN.
CAUTION
SEE BACK PANEL FOR ADDITIONAL PRECAUTIONARY INFORMATION**

Manufactured for
Valent U.S.A. Corporation © 1992
Walnut Creek, CA 94596-8025
Form Import-343-C
EPA Reg. No. 59639-38 EPA Est. 10308-JP-03

NET WEIGHT

Directions For Use
Only For Formulation
(1) The Following Use

FOR COMMERCIAL GRASS
(WHERE PLANTS ARE
Ageratum, Celosia, C
via, Snapdragon, Viola

(2) Uses For Which Use
That The Formulator
mental Purposes That

PROHIBITIONS
Do not contaminate w
Open dumping is proh
STORAGE
Keep pesticide in orig
Do not put concentrat
Store in cool dry plac
For help with any spill,
1-800-424-9300.

PESTICIDE DISPOSAL
Wastes resulting from
waste disposal facility
CONTAINER DISPOSAL
Completely empty line
ticles. Empty residue in
landfill by incineration
and cannot be reused

COPY A
COPY B

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BEST AVAILABLE COPY



VALENT® Uniconazole-P Technical

Active Ingredient
*Uniconazole-P
Inert Ingredients
*(E)-(+)-(S)-1-(4-chlorophenyl)-4,4-dimethyl-
2-(1,2,4-triazol-1-yl)-pent-1-ene-3-ol
U.S. Pat. Nos. 4,203,995, 4,435,200 and 4,354,007

By Wt.
73.5%
26.5%

Directions For Use
Only For Formulation Into Plant Growth Regulator Products Intended For:
(1) The Following Uses:

FOR COMMERCIAL GREENHOUSE USE AND FOR LATH-HOUSE AND SHADEHOUSE USE
(WHERE PLANTS ARE GROWN IN CONTAINERS) ONLY: AZALEAS, BEDDING PLANTS
(Ageratum, Celosia, Coleus, Dahlia, Impatiens, Marigold, Pansy, Periwinkle, Petunia, Sal-
via, Snapdragon, Viola), CHRYSANTHEMUMS, EASTER LILIES, IXORA, POINSETTIA.

(2) Uses For Which USEPA Has Accepted The Required Data And/Or Citations of Data
That The Formulator Has Submitted In Support of Registration; and (3) Uses For Experi-
mental Purposes That Are In Compliance with USEPA Requirements.

COPY A

STORAGE AND DISPOSAL

PROHIBITIONS
Do not contaminate water, food or feed by storage, disposal or cleaning of equipment.
Open dumping is prohibited.

STORAGE
Keep pesticide in original container.
Do not put concentrate or dilute into food or drink containers.
Store in cool dry place. Do not store diluted spray.
For help with any spill, leak, fire or exposure call day or night 1-800-457-2022, or Chemtrec
1-800-424-9300.

PESTICIDE DISPOSAL
Wastes resulting from the use of this product may be disposed of on site or at an approved
waste disposal facility.

CONTAINER DISPOSAL
Completely empty liner by shaking and tapping sides and bottom to loosen clinging par-
ticles. Empty residue into equipment. Do not reuse container. Dispose of liner in a sanitary
landfill by incineration if allowed by State and local authorities. If drum is contaminated
and cannot be reused, dispose of in the same manner.

COPY B

KEEP OUT OF REACH OF CHILDREN
CAUTION
SEE BACK PANEL FOR ADDITIONAL PRECAUTIONARY INFORMATION

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NET WEIGHT

IMPORTANT INFORMATION. READ BEFORE USING PRODUCT.
LIMITED WARRANTY: 1. Valent U.S.A. Corporation warrants that this product conforms to the chemical description on the label and is reasonably fit for use under average conditions when used strictly in accordance with the directions on the labeling. Valent does not make nor authorizes any agent or representative to make, any other warranty, guarantee or representation, express or implied, concerning this product. Specifically, **NO IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE IS MADE.**

2. Critical and unforeseeable factors beyond Valent's control prevent it from eliminating all risks in connection with the use of this product. Such risks include, but are not limited to, damage to plants and crops to which product is applied, lack of complete control over the handling and application of this product and damage caused by drift to other plants or crops. Such risks occur even though the product is reasonably fit for use under average conditions for the uses stated on the labeling and even though label directions are followed. Buyer and user acknowledge and assume all risks and liability (except those assumed by Valent under 1 above) resulting from handling, storage and use of the product.

3. Precautions stated on the labeling should be followed to avoid hazardous exposure to the product.

4. In addition to the limitations on liability and the exclusion of warranties, disclosures, guarantees, and representations set forth in (1)-(3) above, if this product is used for any purposes other than those uses stated in the Directions For Use under number one (1) above, which uses are supported by Valent, then Valent U.S.A. Corporation makes no warranties, guarantees, or representations concerning this product, and specifically excludes all warranties, guarantees, or representations, express or implied, including but not limited to any warranty, guarantee, or representation regarding crop damage, failed efficacy, safety, death, personal injury, or damage to other property, and Valent U.S.A. Corporation hereby expressly disclaims any liability, and Buyer and user assume all risks and liability, with respect to the same.

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ACCEPTED
with COMMENTS
in EPA Letter Dated

Oct 28 1993

for the Federal Insecticide
Fungicide, and Rodenticide Act
provided for the pesticide
under EPA Reg. No.

59639-38

