

87485-3

12/1/2014

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U.S. ENVIRONMENTAL PROTECTION AGENCY
 Office of Pesticide Programs
 Biopesticides and Pollution Prevention Division (7511P)
 1200 Pennsylvania Avenue NW
 Washington, DC 20460

EPA Reg. Number:

87485-3

Date of Issuance:

DEC 01 2014

Term of Issuance:

Unconditional

Name of Pesticide Product:

Zivion™ P

NOTICE OF PESTICIDE:

Registration

Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

DSM Food Specialties B.V.
 Alexander Fleminglaan 1
 Delft, The Netherlands 2613AX

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Biopesticides and Pollution Prevention Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide and Rodenticide Act.

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 her 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.

This registration does not eliminate the need for continual reassessment of the pesticide. If EPA determines at any time that additional data are required to maintain in effect an existing registration, the Agency will require submission of such data under section 3(c)(2)(B) of FIFRA. This product is unconditionally registered in accordance with FIFRA Sec. 3(c)(5) provided you:

1. Submit and/or cite all data required for registration of your product under FIFRA section 3(c)(5) and section 4 when the Agency requires all registrants of similar products to submit such data.
2. Revise the EPA Registration Number to read, "EPA Reg. No. 87485-3."
3. Submit three (3) copies of the final printed labeling before you release the product for shipment. Refer to the A-79 enclosure for a further description of final printed labeling.

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

Signature of Approving Official:

Date:

CONCURRENCES

SYMBOL	▶ 7511P						
SURNAME	▶ Burnett						
DATE	▶ 11/28/14						

DEC 10 2014

Linda Hollis

Linda Hollis, Chief, Biochemical Pesticides Branch,
Biopesticides and Pollution Prevention Division

~~11.28.14~~

LH

12/1/14

Zivion™ P

For post-harvest use on pineapple to control fungal diseases *Fusarium oxysporum*, *Penicillium funiculosum*, *Rhizopus stolonifer*, *Aspergillus niger* and *Thielaviopsis paradoxa* during transport and storage

ACCEPTED
DEC 01 2014

ACTIVE INGREDIENT:

Natamycin 4 %
OTHER INGREDIENTS 96 %
Total 100 %

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

87485-3

CAUTION

KEEP OUT OF REACH OF CHILDREN

See side/back panel for precautionary statements.

First Aid	
<p>IF SWALLOWED</p> <ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Have a person sip a glass of water if able to swallow. • Do not induce vomiting unless told to by a poison control center or doctor. • Do not give anything by mouth to an unconscious person. 	<p>IF IN EYE</p> <ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
<p>Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For emergency information call: Poison Control Center Emergency Number, 1-800-222-1222, 24 hours a day, 7 days a week.</p>	

Manufactured by:

DSM Food Specialties Superdex S.A.S.
Z.A. de Labarthe
Route de Magnas
32380 Saint Clar
France

EPA Registration Number 87485-xx
EPA Est. No. 87485-FRA-01
Batch/Lot code: _____

Net Contents: _____

This product contains 0.36 lbs. of Natamycin per gallon.

Questions?
Phone: 1-574-232-5000
Fax: 1-574-232-2468

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Zivion™ P

Liquid Suspension Formulation – For Agricultural Use Only

For use to control fungal diseases *Fusarium oxysporum*, *Penicillium funiculosum*, *Rhizopus stolonifer*, *Aspergillus niger* and *Thielaviopsis paradoxa* during transport and storage of pineapples

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS (AND DOMESTIC ANIMALS)**

CAUTION

Harmful if swallowed. Causes moderate eye irritation. Avoid contact with eyes. Wear protective eyewear. Wash thoroughly with soap and water after handling and before eating, drinking, and chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

Handler Personal Protective Equipment (PPE)

Mixers, Loaders, Applicators and all other handlers must wear protective eyewear, long sleeved shirt and long pants, shoes plus socks and gloves.

Statements for Contaminated PPE

Follow the manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

User Safety Recommendations
<ul style="list-style-type: none"> • Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. • Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

Environmental Hazards

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 system without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

DIRECTIONS FOR USE

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

For indoor use in packinghouses (packing sheds). Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirement specific to your State and Tribe, consult the State/Tribal agency responsible for pesticide regulation.

General Information

Zivion™ P is a stable aqueous suspension of Natamycin crystals, a natural fermentation product of *Streptomyces natalensis*. The active ingredient, Natamycin, is a fungistat that acts as a barrier to entry of fungal disease by preventing germination of fungal spores and inhibiting beginning growth of hypha. **Natamycin has no effect against other types of microorganism**, nor against fungal mycelium once growth begins. This product is formulated for use post-harvest for the control of fungal diseases in pineapple transport and storage.

Mixing Instructions:

Measure the amount of Zivion™ P to be applied based on the volume to be used. Add Zivion™ P while stirring to the volume of water and aqueous dilution of wax to be applied, or to a smaller volume that is then added to more water and aqueous dilution of wax to make the expected final volume. Continuously stir the treatment solution unless it is to be applied immediately.

Application Instructions:

Apply the final dilution by dipping, pouring equipment or through automatic cascading systems: after air drying fruit spray peduncle with 0.034 fl. oz. of treatment solution;

For use to control fungal diseases in pineapple transport and storage

Target Pest	<i>Fusarium oxysporum, Penicillium funiculosum, Rhizopus stolonifer, Aspergillus niger, Thielaviopsis paradoxa</i>
Application Time	May be applied: Post-harvest
Application rate	4 to 32 fl oz product per gallon of water and aqueous dilution of wax, depending on pest pressure
Maximum number of application	1
Application method	Commercial types of application (e.g. dip/ pouring / cascade)

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage and disposal

PESTICIDE STORAGE:

Store in original container in a cool, dry, dark place.

PESTICIDE DISPOSAL:

To avoid waste, use all material in this container by application according to label directions. If wastes cannot be avoided, offer remaining product to a waste disposal facility or pesticide disposal program (often such programs are run by state or local governments or by industry).

CONTAINER DISPOSAL:

For containers less than or equal to 5 gallons:

Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available. Triple rinse container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Offer for recycling if available or dispose of in a sanitary landfill or by other procedures approved by state and local authorities.

For containers greater than 5 gallons:

Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available. Triple rinse container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Offer for recycling if available or dispose of in a sanitary landfill or by other procedures approved by state and local authorities.

WARRANTY STATEMENT

The directions for use of this product are believed to be adequate and must be followed carefully, it is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness, or other unintended consequences may result due to such factors as weather conditions, presence or absence of other materials, or the manner of use or application, all of which are beyond the control of DSM Food Specialties B.V., the manufacturer, or the seller.

To the extent consistent with applicable law, the products sold to you are furnished "as is" by DSM Food Specialties B.V. To the extent consistent with applicable law, the manufacturer and the seller are subject only to the manufacture's warranties, if any, which appear on the label of the product sold to you. To the extent consistent with applicable law, except as warranted by this label, DSM Food Specialties B.V., the manufacturer, or the seller makes no warranties, guarantees, or representations of any kind to the buyer or the user, either express or implied, or by usage of trade, statutory or otherwise, with regard to the product sold or use of the product, including, but not limited to, merchantability, fitness for a particular purpose or use, or eligibility of the product for any particular trade usage. To the extent consistent with applicable law, buyer's or user's exclusive remedy, and DSM Food Specialties B.V., the manufacturer's or the seller's total liability shall be limited to damages not exceeding the cost of the product. No agent or employee of DSM Food Specialties B.V., or the seller is authorized to amend the terms of this warranty disclaimer or the product's label or to make a presentation or recommendation different from or inconsistent with the label of this product.

To the extent consistent with applicable law, DSM Food Specialties B.V., the manufacturer, or the seller shall not be liable for consequential, special, or indirect damages resulting from the use, handling, application, storage, or disposal of this product or for damages in the nature of penalties.