

64864-67

11/6/2012

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**U.S. ENVIRONMENTAL PROTECTION AGENCY**

Office of Chemical Safety and Pollution Prevention  
Office of Pesticide Programs  
Registration Division (7504P)  
1200 Pennsylvania Ave., N.W.  
Washington, DC 20460

EPA Reg. Number:

Date of Issuance:

**64864-67**

**NOV 06 2012**

Term of Issuance:

**Unconditional**

Name of Pesticide Product:

**eFOG-80 FDL**

**NOTICE OF PESTICIDE:**

- Registration
  - Reregistration
- Under FIFRA, as amended

Name and Address of Registrant (include ZIP Code):

**Pace International LLC**  
1201 3<sup>rd</sup> Avenue, Suite 5450  
Seattle, WA 98101

Mailed to:

**Lewis & Harrison, LLC**  
122 C Street, N.W., Suite 740  
Washington, D.C. 20001

**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.

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 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.

This product is registered in accordance with FIFRA section 3(c)(5) provided that you:

1. Submit and/or cite all data required for registration 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.

Signature of Approving Official:

**William Cutchin, Acting Product Manager (20)**  
**Fungicide Branch/Registration Division/OPP/OCSP (7504P)**

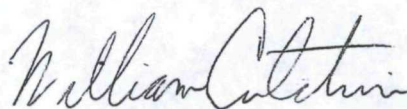
Date:

**NOV 06 2012**

2. Make the following change to the label:
  - a. On page 4, revise the first sentence in the Pesticide Storage section to read "Store in a cool, dry location not below 40°F or above 79°F."
3. Submit one copy of the revised final printed label for the record before the product is released for shipment.

Your release for shipment of the product constitutes acceptance of these conditions.

A copy of the label stamped "Accepted with Comments" is enclosed for your records.



William Cutchin  
Acting Product Manager (20)  
Fungicide Branch  
Registration Division (7504P)

Enclosures:

- Label stamped "Accepted with Comments"
- Health Effects Division Review dated 6/28/12 {DP396217}
- Acute Toxicity Review dated 7/26/12 {DP396221}
- Product Chemistry Review (general) dated 8/8/12 {DP396220}
- Product Chem Review (enforcement analytical method) dated 8/10/12 {DP398790}
- Product Chem Review (storage stability/corrosion char.) dated 8/8/12 {DP404318}
- Environmental Fate and Effects Division Review dated 10/18/12 {DP396214}
- Health Effects Division Review (updated) dated 10/17/12 {DP396217}
- Health Effects Division Review (ORE) dated 10/18/12 {DP396573}

*Jaeger 3/7*

**eFOG-80 FDL  
Post Harvest Fludioxonil**

**Fungicide for Post-Harvest Pome Fruit Treatment by Thermal Fogging**

eFOG-80 FDL is a liquid form of fludioxonil intended for use with a thermal electrofogger to form a fine fog.

**ACTIVE INGREDIENT:**

Fludioxonil: ..... 8%

OTHER INGREDIENTS: ..... 92%

Total ..... 100%

Contains 0.74 pounds of fludioxonil per gallon

EPA Reg. No. 64864-67

EPA Est. No. 64864-WA-1

**KEEP OUT OF REACH OF CHILDREN  
WARNING - AVISO**

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.  
(If you do not understand this label, find someone to explain it to you in detail.)

<b>FIRST AID</b>	
If in eyes	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
If on skin	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15 – 20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
If swallowed	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
If inhaled	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
<p>Have the product container or label with you when calling a poison control center or doctor or going for treatment. For emergency information concerning this product, call the National Pesticides Information Center at 1-800-858-7378, 6:30 AM to 4:30 PM Pacific time (PT), seven days a week. During other times, call the poison control center 1-800-222-1222.</p>	

**PRECAUTIONARY STATEMENTS**

**Hazards to Humans and Domestic Animals**

Warning. Causes substantial but temporary eye injury. Harmful if absorbed through the skin. Do not get in eyes or on clothing. Wear protective eyewear (glasses, goggles or face shield). Harmful if swallowed. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

**ACCEPTED  
With COMMENTS  
In EPA Letter Dated:**

*11/6/2012*

**Under the Federal Insecticide, Fungicide  
and Rodenticide Act, As amended, for the  
pesticide Registered under EPA Reg. No:**

*64864-67*

**Personal Protective Equipment (PPE)**

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category A on an EPA Chemical Resistance Selection Sheet.

Handlers (including mixers, loaders, persons cleaning or setting up the fogging equipment, and persons handling treated fruit still wet with product) and fogging applicators must wear:

- long-sleeved shirt and long pants
- chemical-resistant gloves made of any waterproof material such as polyvinyl chloride, nitrile rubber, or butyl rubber
- shoes and socks
- protective eyewear (such as goggles, safety glasses, or a face shield)

While respiratory protection is not normally required when using this product, fogging applicators must keep a respirator with an organic-vapor removing cartridge readily available in case of rare instances where fog may be blown back to the applicator, such as an equipment malfunction or insufficient room seal.

**User Safety Requirements**

Follow manufacturer's instructions for cleaning/handling PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry. Discard clothing or other absorbent materials that have been fogged or heavily contaminated with the product's concentrate. Do not reuse them.

**User Safety Recommendations**

- Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- 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 systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

**PHYSICAL OR CHEMICAL HAZARD**

Flammable: Keep away from heat or open flame.

**DIRECTIONS FOR USE**

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

**Product Information**

eFOG-80 FDL is a post-harvest fungicide intended for use on pome fruit to reduce damage from blue and gray mold, Bull's-eye rot, Rhizopus rot, Bitter rot, Sphaeropsis rot, Phacidiopycnis rot and White rot. Use of eFOG-80 FDL should be integrated into an overall disease management program within each packinghouse.

### Fungicide Resistance Management

#### Group 12 Fungicide

eFOG-80 FDL contains fludioxonil, a fungicide that is in the phenylpyrrole class of chemistry and has a unique mode of action, which leads to increased glycerol synthesis. Fungal isolates with acquired resistance to Group 12 may eventually dominate the fungal population if Group 12 fungicides are used repeatedly in the same packing house or in successive years as the primary method of control for targeted pathogens. This may result in partial or total loss of control of those pathogens by fludioxonil or other Group 12 fungicides. Because resistance development cannot be predicted, use of post-harvest resistance management strategies should be practiced. These may include rotating and/or tank mixing with products having different modes of action. Responsible resistance management practices are necessary to ensure the long-term effectiveness for decay control.

#### Application Restrictions

Only one application of eFOG-80 may be applied postharvest on pome fruits by electrofog machine. Do not apply to fruit that has been previously treated with fludioxonil via drench or dip/wash application. Apply only with electrofog machine.

#### Preparation for Fogging

- Treat only dry fruit as received from the field.
- Apply to fruit as close to harvest as possible and no more than 15 days after harvesting, prior to placing in storage.
- Before treatment, protect fruit in bins at the top of each stack with plastic liners, cardboard or Kraft paper sheets. Also protect fruit directly in front of the fogging equipment with liners or sheets from top to bottom.
- When treating rooms that are less than 75% full, calculate the dosage of eFOG-80 FDL by adding a tonnage value of 20% of the empty volume to the real tonnage of the fruit.

#### Application Rate

Apply 60 milliliters of eFOG-80 FDL per metric ton (2200 lb.) of fruit (or approximately 2 fluid ounces per US ton).

#### Electrofogger Operation

- Place the Electrofog machine horizontally outside the treatment room at a height of about 3 feet from the floor. Cover the door or window to the treatment room with a plastic sheet and insert the fogging pipe through a hole in the plastic. Place a bucket under the nozzle to catch any drops. Seal the opening around the nozzle with duct tape so no fog can escape during treatment.
- Set the Electrofog machine resistance temperature between 350°C to 450°C.
- Insert input pipe into product container and start pump. Stop pump when product reaches the pump body.
- Start fan and resistance, and start pump again when fog exit temperature reaches 175°C to 180°C. Adjust pump as necessary during operation to maintain temperature.

#### Application Procedures

- Do not breathe fog.
- Turn off room cooling systems and humidifiers 12 hours prior to and during treatment.
- Turn off room circulation fans immediately prior to and during treatment.
- Allow the fog to stay overnight or until the fog has totally disappeared (about 5 hours post-treatment) before restarting fans and cooling systems.
- DO NOT rinse fruit after treatment.

#### Posting

Notify workers of the application by warning them orally and by posting warning signs at entrances to treated areas.

**Re-Entry**

Entry into the treatment area by any person other than properly trained and equipped handlers is prohibited from the start of application until the treated area is ventilated as follows:

- 8 hours with no ventilation followed by 1 hour of mechanical ventilation
- 24 hours with no ventilation

In case it is necessary to enter the treatment area during treatment or before ventilation requirements have been met, handlers must wear chemical resistant headgear and a self-contained breathing apparatus (SCBA, MSHA/NIOSH approval number prefix TC-13F) in addition to PPE listed under PRECAUTIONARY STATEMENTS.

**STORAGE AND DISPOSAL**

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

**PESTICIDE STORAGE:** Store in a cool, dry location not below 40°F. Do not use or store near heat or open flames. In case of spill or leak, absorb liquid with sawdust or other absorbent material and incinerate or dispose of it in approved disposal area.

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

**CONTAINER HANDLING:**

*[for packages ≤ 5 gallons]*

Non-refillable container. Do not reuse or refill this container. Offer for recycling if available. Triple rinse container (or equivalent) 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. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

*[for packages > 5 gallons]*

Non-refillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) 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 the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

**NOTICE TO BUYER**

**IMPORTANT:** Read the information below before using this product. If the terms are not acceptable, you should return the unopened product container immediately for a complete refund.

**LIMITED WARRANTY, TERMS OF SALE, AND LIMITATION OF LIABILITY**

Upon purchase of this product, purchaser and user agree to the following terms:

**Warranty:** Pace International, LLC (the Company) warrants that this product conforms to the chemical description on the label in all material respects. To the extent consistent with applicable law, except as expressly stated in the foregoing sentence, the Company makes no further warranties and expressly disclaims any implied warranties of merchantability or fitness for a particular purpose and any representation or warranty.

**Terms of Sale:** The Company's directions for use of this product must be followed carefully. It is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, and the manner of use or application (including failure to

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adhere to label directions), all of which are beyond the Company's control. To the extent consistent with applicable law, all such risks are assumed by the user.

Limitations of Liability: To the extent consistent with applicable law, the exclusive remedy against the Company for any cause of action relating to the handling or use of this product is a claim for damages, and in no event shall damages or any other recovery of any kind exceed the price of the product which caused the alleged loss, damage, injury, or other claim. To the extent consistent with the applicable law, under no circumstances shall the company be liable for any special, indirect, incidental, or consequential damages of any kind, including loss of profits or income.

To the extent consistent with applicable law, the Company and the seller offer this product, and the purchaser and user accept this product, subject to the foregoing warranty, terms of sale, and limitation of liability, which may be varied or modified only by an agreement in writing signed on behalf of the Company by an authorized representative.

MADE IN USA  
NET CONTENTS: \_\_\_\_\_

Manufactured By: .  
Pace International LLC  
5661 Branch Road  
Wapato, WA 98951  
800.936.6750