



U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs
Registration Division (7505T)
1200 Pennsylvania Ave., N.W.
Washington, D.C. 20460

EPA Reg. Number:

64864-82

Date of Issuance:

7/6/23

NOTICE OF PESTICIDE:

☒ Registration
☐ Reregistration
(under FIFRA, as amended)

Term of Issuance:

Unconditional

Name of Pesticide Product:

eFOG-300 DPA

Name and Address of Registrant (include ZIP Code):

Simone Seifert-Higgins
Pace International, LLC
5661 Branch Road
Wapato, Washington 98951

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 (FIFRA).

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 unconditionally registered in accordance with FIFRA section 3(c)(5) provided that you:

1. Submit and/or cite all data required for registration/reregistration/registration review of your product when the Agency requires all registrants of similar products to submit such data.
2. The data requirements for storage stability and corrosion characteristics (Guidelines 830.6317 and 830.6320) are not satisfied. You have 18 months from the date of registration to provide these data.

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Signature of Approving Official:

Kristy Crews, PhD., Product Manager 22
Fungicide Branch, Registration Division (7505T)

Date:

7/6/23

3. Make the following label changes before you release the product for shipment:
 - Revise the EPA Registration Number to read, “EPA Reg. No. 64864-82.”
4. Submit one copy of the final printed label for the record before you release the product for shipment.

Should you wish to add/retain a reference to the company’s website on your label, then please be aware that the website becomes labeling under FIFRA and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) lists examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product’s label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA’s Office of Enforcement and Compliance.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records.

The record for this product currently contains the following CSF(s):

- Basic CSF dated 07/06/2023

If you have any questions, please Elisha Graham at graham.elisha@epa.gov

Enclosure- Stamped Label

ACCEPTED

07/06/2023

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

64864-82

eFOG-300 DPA

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eFOG®-300 DPA
POSTHARVEST DIPHENYLAMINE

Antiscald Agent for Postharvest Treatment of Apples by Thermofogging

eFOG®-300 DPA is a special liquid form of diphenylamine for reducing scald and CO₂ injury to apples while in storage and intended for use with a thermal electrofogger to form a fine fog.

ACTIVE INGREDIENT:

Diphenylamine * 30.0%

OTHER INGREDIENTS: 70.0%

Total 100.0%

* CAS No. 122-39-4

Contains 2.55 lb of diphenylamine per gallon

EPA Reg. No. 64864-IE

EPA Est. No. 64864-WA-1

KEEP OUT OF REACH OF CHILDREN**CAUTION - CUIDADO**

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.)

FIRST AID	
If swallowed	<ul style="list-style-type: none">• Call a poison control center or doctor immediately for treatment advice.• Have person sip a glass of water if able to swallow.• Do not induce vomiting unless told to do so by a poison control center or doctor.• Do not give anything by mouth to an unconscious person.
If in eyes	<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 the first 5 minutes, then continue rinsing.• Call a poison control center or doctor for treatment advice.
If on skin	<ul style="list-style-type: none">• Take off contaminated clothing.• Rinse skin immediately with plenty of water for 15 – 20 minutes.• Call a poison control center or doctor for treatment advice.
Have the product container or label with you when calling a poison control center or doctor or going for treatment.	
HOT LINE NUMBER	
Medical Emergency Phone Number 888-271-4649 (PROPHARMA)	
Transportation Emergency Phone Number 800-424-9300 (CHEMTREC)	

NET CONTENTS:

LOT #:

SKU #

Manufactured By:

Pace International LLC

5661 Branch Road

Wapato, WA 98951

800.936.6750

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

Caution. Harmful if swallowed or if absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Wear eye protection (such as goggles, safety glasses, or a face shield) when mixing and loading. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

Personal Protective Equipment (PPE).

Applicators must wear long-sleeved shirts, long pants, shoes and socks, chemical resistant gloves made out of barrier laminate or butyl rubber ≥ 14 mils and a minimum of a NIOSH-approved elastomeric full mask respirator with organic vapor (OV) cartridges and combination R or P filters; or a NIOSH-approved gas mask with OV canisters.

Other handlers (including mixers, loaders, persons cleaning or setting up and/or monitoring the fogging equipment, and persons handling treated apples and/or apple containers still wet with the active ingredient) must wear long-sleeved shirt, long pants, shoes and socks, chemical-resistant gloves made out of barrier laminate or butyl rubber ≥ 14 mils, and goggles.

User Safety Requirements

Discard clothing or other absorbent materials that have been fogged or heavily contaminated with the product's concentrate. Do not reuse them. 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.

User Safety Recommendations

- Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Users should remove clothing 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

This product is toxic to fish and aquatic invertebrates. Do not contaminate water by cleaning of equipment or disposing of equipment wash water or rinsate. 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 HAZARDS

Combustible. DO NOT use or store near 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.

Application Restrictions

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. Consult Agricultural Experiment Station or Extension Service pomology specialists for current DPA use-solution concentrations for local apple varieties.

- DO NOT rinse apples after treatment.
- DO NOT apply diphenylamine to apples before harvest.
- DO NOT use treated apples for pomace or livestock feed as illegal residues may occur in meat or milk.
- DO NOT make more than 2 applications to apples.
- DO NOT apply diphenylamine to apples via treated wrapping papers.
- Fruit must have shipping carton marked: "Treated with Diphenylamine to retard spoilage."

Application Rates and Apple Variety-Specific Restrictions

Apple Variety	Application Rate	Do not exceed Total Maximum Application Rate
Granny Smith	1.45 fl. oz. (0.028 lb ai)/US ton 47.3 ml (14.4 g ai)/1,000 kg	2.9 fl. oz. (0.056 lb ai)/US ton 94.6 ml (28.8 g ai)/1,000 kg
Red Delicious	1.29 fl. oz. (0.026 lb ai)/US ton 42.1 ml (12.8 g ai)/1,000 kg	2.58 fl. oz. (0.052 lb ai)/US ton 84.2 ml (25.68 g ai)/1,000 kg
Braeburn, Cortland, Fuji, Idared, McIntosh	0.95 fl. oz. (0.019 lb ai)/US ton 31.0 ml (9.5 g ai)/1,000 kg	1.90 fl. oz. (0.038 lb ai)/US ton 62.0 ml (19.0 g ai)/1,000 kg
Empire, Jonagold, Rome Beauty, Royal Gala, Staymin, Winesap, Honey Crisp, Jazz, Pink Lady	0.73 fl. oz. (0.014 lb ai)/US ton 23.8 ml (7.3 g ai)/1,000 kg	1.46 fl. oz. (0.028 lb ai)/US ton 47.6 ml (14.6 g ai)/1,000 kg
Golden Delicious	0.39-0.50 fl. oz. (0.008-0.009 lb ai)/US ton 12.7-16.3 ml (3.8-4.9 g ai)/1,000 kg	0.78-1.0 fl. oz. (0.016-0.018 lb ai)/US ton 25.4-32.6 ml (7.6-9.8 g ai)/1,000 kg

In case of prolonged storage (more than 4 months) or particularly high danger of scald due to climatological conditions, a second treatment may be advisable between the second and third months of storage. This second treatment must be applied at a rate of between 50% and 100% of the initial dosage, depending on the importance of the danger and the length of further storage. If needed, use a second treatment of 100% of the first dose for any additional storage of 3 months or longer.

Preparation for Fogging

- Fog dry fruit for best results.
- For best results, treat fruit as soon as possible after harvest preferably within 15 days after harvest.
- Before treatment, top bins can be covered with plastic liners, cardboard, or Kraft paper sheets to prevent excess chemical residues. 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®-300 DPA by adding a tonnage value of 20% of the empty volume to the real tonnage of the fruit.

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 or portable fogging door and insert the fogging pipe through the hole in the plastic or the door.

- Place a bucket under the nozzle to catch any drops. Seal the opening around the nozzle.
- Insert the pump suction tube into the product container and start the pump.
- Set the Electrofog controls to reach and maintain a fog exit temperature of 200°C.

Application Procedures

- Avoid breathing the fog.
- Turn off room cooling systems and humidifiers 2 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.

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) with NIOSH approval number prefix TC-13F in addition to PPE listed under PRECAUTIONARY STATEMENTS.

Check for Post-Treatment Signs of Scald and CO₂ Injury.

In years of severe scald development, eFOG®-300 DPA may not give desired control or other factors may reduce its effectiveness. After several months of storage, collect samples of fruit periodically (every 2 or 3 weeks) and hold them at room temperature to assess scald development and CO₂ injury. Fruit lots showing scald can often be marketed immediately.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Avoid storing below 40° F. 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: [Containers equal to or less than 5 gallons]: Nonrefillable 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 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.

[Containers greater than 5 gallons]: Nonrefillable 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 the 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.

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 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 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, and any such claims are hereby waived. 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

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