

64864-70

09/26/2012

1/11



U S ENVIRONMENTAL PROTECTION AGENCY

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

EPA Reg Number

64864-70

Date of Issuance

SEP 26 2012

Term of Issuance
Unconditional

Name of Pesticide Product
Shield-Brite FDL-230SC

NOTICE OF PRODUCT

- Registration
- Reregistration
(under FIFRA as amended)

Name and Address of Registrant (include ZIP Code)
Pace International LLC
1201 3rd 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 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 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 of your product under FIFRA section 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

Cynthia Giles-Parker, Acting Product Manager (20)
Fungicide Branch/Registration Division/OPP/OCSPP (7504P)

Date

SEP 26 2012

- 2 Submit storage and stability (830 6317) and corrosion characteristics (830 6320) data for review upon completion of the studies The Agency recommends that observations are made at 0, 3, 6, 9, and 12 month intervals
- 3 Make the following changes to the label
 - a Change the product registration number to "EPA Reg No 64864-70 "
 - b On page 2, change the heading 'General Information' to "Product Information
 - c On page 7, in the Storage and Disposal section, make the following revision
 - 1 In the Container Handling section for packages greater than 5 gallons, insert the language "Triple rinse container (or equivalent) promptly after emptying" after Do not reuse or refill this container'
- 4 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 the Federal Insecticide Fungicide and Rodenticide Act 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) list 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 Assurance

As an alternative, you may refer consumers to the company's phone number or email address
- 5 Submit one copy of the revised final printed label for the record before the product is released for shipment

Notice of Pesticide Registration
Shield-Brite FDL-230SC
EPA Reg No 64864-70
Page 3 of 3

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e) 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

Cynthia Giles-Parker
Acting Product Manager (20)
Fungicide Branch
Registration Division (7504P)

Enclosure

Label stamped ' Accepted with Comments"
Product Chemistry Review DP 398780 dated April 27, 2012
Product Chemistry Review DP 403375 dated July 9, 2012
Acute Toxicity Review DP 398783 dated May 17, 2012

**SHIELD-BRITE FDL-230SC
Post Harvest Fludioxonil
Fungicide**

SHIELD-BRITE FDL-230SC is a flowable suspension concentrate

Active Ingredient	
Fludioxonil *	20.4%
Other Ingredients	79.6%
Total	100.0%
*CAS No 131341 86-1	

Contains 1.92 pounds of fludioxonil per gallon

EPA Reg No 64864-xx

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 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 eye • 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
<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

CAUTION Causes moderate eye irritation Harmful if absorbed through skin Avoid contact with eyes skin or clothing Remove and wash contaminated clothing before reuse Wash thoroughly with soap and water after handling and before eating drinking chewing gum using tobacco or using the toilet

ENVIRONMENTAL HAZARDS

This product is toxic to fish and aquatic invertebrates Do not contaminate water when disposing of equipment wash waters or rinsates

PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat or open flame
Do not use with or store near oxidizing agents

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling For any requirements specific to your State or Tribe consult the State or Tribal agency responsible for pesticide regulation

Do not formulate this product into other End-use products

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

SEP 26 2012

Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under FIFRA Reg. No.
64864-xx-70

General Information

Failure to follow the Directions for Use and Precautions on this label may result in poor disease control

Fungicide Resistance ManagementGroup 12 Fungicide

SHIELD-BRITE FDL-230SC contains fludioxonil a fungicide in the phenylpyrrole class of chemistry with 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 Sanitation and other cultural practices to minimize disease are also recommended to aid in control as well as to assist in preventing/delaying resistance development

NOTE SHIELD BRITE FDL 230SC may be degraded by exposure to direct sunlight Treated fruit should not be stored in direct sunlight

Mixing Procedures

Vigorously shake the product container before mixing Prepare no more spray mixture than is needed for the immediate operation Thoroughly clean spray equipment before using this product Vigorous agitation is necessary for proper dispersal of the product Maintain maximum agitation throughout the spraying operation Do not let the spray mixture stand overnight in the spray tank Flush the spray equipment thoroughly following each use

Add ½ of the required amount of water wax/oil emulsion or aqueous dilution of a wax/oil emulsion to the spray or mixing tank With the agitator running open the container and add SHIELD BRITE FDL-230SC to the tank Continue agitation while adding the remainder of the carrier Begin application of the solution after SHIELD-BRITE FDL-230SC has completely and uniformly dispersed into the mix carrier Maintain agitation until the entire mixture has been used

If tank mixing add the desired amount of other products recommended for tank mixture after SHIELD-BRITE FDL-230SC has completely and uniformly dispersed into the mix carrier In general tank mix partners should be added in this order wettable powders wettable granules (dry flowables) liquid flowables liquids and emulsifiable concentrates Always allow each tank mix partner to become fully dispersed before adding the next product Continue agitation to maintain a uniform suspension until all of the spray solution has been applied Maintain agitation until the entire mixture has been used

THE CROP SAFETY OF ALL POTENTIAL TANK MIXES INCLUDING ADDITIVES AND OTHER PESTICIDES HAS NOT BEEN TESTED ON ALL CROPS BEFORE APPLYING ANY TANK MIXTURE SAFETY TO THE TARGET CROP SHOULD BE CONFIRMED

To determine the physical compatibility of SHIELD-BRITE FDL-230SC with other products use a jar compatibility test as follows Using a quart jar add the proportionate amounts of the products to 1 qt of water or wax/oil emulsion Add wettable powders and water dispersible granular products first then liquid flowables and emulsifiable concentrates last After thoroughly mixing let stand for at least 5 minutes If the combination remains mixed or can be remixed readily it is physically compatible Once compatibility has been proven use the same procedure for adding required ingredients to the spray tank

If using SHIELD-BRITE FDL 230SC in a tank mixture follow all directions for use crops/sites use rates dilution ratios precautions and limitations which appear on the labels of the products

6/11

being mixed Do not exceed the label dosage rate and the most restrictive label precautions and limitations must be followed This product must not be mixed with any product which prohibits such mixing Tank mixtures are permitted only in those states where the tank mix partner is registered

CROP USE DIRECTIONS

Citrus Calamondin (*Citrus mitis Citrofortunella mitis*) Citrus citron (*Citrus medica*) Citrus hybrids (*Citrus spp*) (includes chironja tangelo tangor) Grapefruit (*Citrus paradisi*) Kumquat (*Fortunella spp*) lemon (*Citrus jambhiri Citrus limon*) lime (*Citrus aurantiifolia*) Mandarin (tangerine) (*Citrus reticulata*) Orange sour (*Citrus aurantium*) Orange sweet (*Citrus sinensis*) Pummelo (*Citrus grandis Citrus maxima*) Satsuma mandarin (*Citrus unshiu*)

Use SHIELD-BRITE FDL-230SC as a post-harvest dip drench flood or spray for the control of postharvest diseases caused by Green or Blue mold (*Penicillium spp*) Diplodia stem end rot (*Lasiodiplodia theobromae*) Phomopsis stem-end rot (*Diaporthe citri*) and Gray mold (*Botrytis cinerea*)

Application Method	Disease	Rate of product (fl oz)	Remarks
In Line Dip/Drench	Green mold Blue mold Diplodia stem end rot Gray mold	33-66 fl oz /100 gals	<ul style="list-style-type: none"> • Mix 33 66 fl oz of SHIELD BRITE FDL-230SC in 100 gals of an appropriate water wax/oil emulsion or aqueous dilution of wax/oil emulsion • Dip for a minimum of 30 seconds and allow fruit to drain
In-line Aqueous or Fruit Coating Spray application	Green mold Blue mold Diplodia stem-end rot Gray mold	33-66 fl oz / 250 000 lbs of fruit	<ul style="list-style-type: none"> • Ensure proper coverage of the fruit • Mix the fungicide solution in an appropriate water wax/oil emulsion or aqueous dilution of a wax/oil emulsion for the crop being treated • Use T-jet CDA or similar application system
<p>Do not make more than two applications to citrus fruit For maximum decay control, treat fruit once before storage and once after storage, just prior to marketing</p>			

Kiwi

Use SHIELD BRITE FDL-230SC as a post harvest dip or spray for the control of Botrytis fruit rot in kiwi

Application Method	Disease	Rate of product (fl oz)	Remarks
In-Line Dip/Drench	Botrytis fruit rot	16-32 fl oz / 100 gals	<ul style="list-style-type: none"> • Mix 16-32 fl oz of SHIELD BRITE FDL-230SC in 100 gals of water wax/emulsion or aqueous dilution of wax/oil emulsion • Dip for approximately 30 seconds and allow fruit to drain
In-line Aqueous or Fruit Coating Spray application	Botrytis fruit rot	16 32 fl oz / 200 000 lbs of fruit	<ul style="list-style-type: none"> • Ensure proper coverage of the fruit • Mix the fungicide solution in an appropriate amount of water wax/emulsion or aqueous dilution of wax/oil emulsion for the crop being treated
Do not make more than one post-harvest application to kiwi			

Pome fruit Apple (*Malus domestica*) Crabapple (*Malus spp*) Loquat (*Eriobotrya japonica*)
 Mayhaw (*Crataegus aestivalis* *C. opaca* and *C. rufula*) Pear (*Pyrus communis*) Pear oriental
 (*Pyrus pyrifolia*) Quince (*Cydonia oblonga*)

Use SHIELD-BRITE FDL 230SC as a post-harvest dip drench flood or spray for the control of postharvest diseases caused by Blue mold (*Penicillium expansum*) Gray mold (*Botrytis cinerea*) Bull's eye rot (*Neofabraea malacortica*) Rhizopus rot (*Rhizopus stolonifer*) Bitter rot (*Colletotrichum gloeosporoides*) Sphaeropsis rot (*Sphaeropsis pyriputrescens*) Phacidiopycnis rot (*Phacidiopycnis pirii*) Speck rot (*Phacidiopycnis washingtonensis*) White rot (*Botryosphaeria dothidea*) Alternaria rot (side rot) and surface mold (*Alternaria alternata*)

Application Method	Disease	Rate of product (fl oz)	Remarks
Bin/Truck Drench or In line Dip/Drench or Flooder	Blue mold Gray mold Bitter rot Speck rot White rot Phacidiopycnis rot Sphaeropsis rot Alternaria rot and surface mold	10-16 fl oz / 100 gals	<ul style="list-style-type: none"> • Ensure proper coverage of the fruit • For re cycling in-line drench or dip treatments the fungicide solution may be prepared in water • For in-line drench or dip applications treat fruit for 15 30 seconds and allow fruit to drain • Fruit coatings may be applied separately after aqueous fungicide treatments
	Rhizopus rot Bull's eye rot	16 fl oz / 100 gals	
In line Aqueous or Fruit Coating Spray application	Blue mold Gray mold Rhizopus rot Bull's-eye rot Bitter rot Sphaeropsis rot Phacidiopycnis rot White rot Alternaria rot and surface mold	16-32 fl oz / 200 000 lbs of fruit	<ul style="list-style-type: none"> • Ensure proper coverage of the fruit • Mix the fungicide solution in an appropriate water wax/oil emulsion or aqueous dilution of a wax/oil emulsion for the crop being treated • Use T-jet CDA or similar application system
For maximum decay control, treat pome fruit once before storage and once after storage, just prior to marketing			

Pomegranates

Use SHIELD-BRITE FDL 230SC as a post harvest dip for the control of Botrytis fruit rot in pomegranates

Application Method	Disease	Rate of product (fl oz)	Remarks
In Line Dip/Drench	Botrytis fruit rot	32 fl oz / 100 gals	<ul style="list-style-type: none"> • Mix 32 fl oz of SHIELD-BRITE FDL-230SC in 100 gals of water wax/emulsion or aqueous dilution of wax/oil emulsion • Dip for approximately 30 seconds and allow fruit to drain
Do not make more than one post-harvest application to pomegranates			

Stone Fruit Apricot (*Prunus armeniaca*) Nectarine (*Prunus persica*) Peach (*Prunus persica*) Plum (*Prunus domestica* *Prunus* spp) Plum Chickasaw (*Prunus angustifolia*) Plum Damson (*Prunus domestica* spp *insititia*) Plum Japanese (*Prunus salicina*) Plumcot (*Prunus armeniaca* x *P. domestica*) Prune (fresh) (*Prunus domestica* *Prunus* spp) as well as other cultivars and hybrids of these

Use SHIELD-BRITE FDL-230SC as a post-harvest dip or spray for the control of post-harvest diseases caused by Brown rot (*Monilinia* spp) Gray mold (*Botrytis cinerea*) Rhizopus rot (*Rhizopus stolonifer*) and Gilbertella rot (*Gilbertella persicaria*)

Application Method	Disease	Rate of product (fl oz)	Remarks
In Line Dip/Drench	Brown rot Gray mold Rhizopus rot Gilbertella rot	16 fl oz / 100 gals	<ul style="list-style-type: none"> Mix 16 fl oz of SHIELD BRITE FDL-230SC in 100 gals of water wax/oil emulsion or aqueous dilution of wax/oil emulsion Dip for approximately 30 seconds and allow fruit to drain
In line Aqueous or Fruit Coating Spray application	Brown rot Gray mold Rhizopus rot Gilbertella rot	16-32 fl oz / 200 000 lbs of fruit	<ul style="list-style-type: none"> Ensure proper coverage of the fruit Mix 16-32 fl oz of SHIELD BRITE FDL-230SC in an appropriate water wax/oil emulsion or aqueous dilution of a wax/oil emulsion for the crop being treated Use T Jet CDA or similar application system For maximum efficacy use low volume concentrate application systems for treatment of plums
Do not make more than one post harvest application to stone fruit			

Cherries Cherry sweet (*Prunus avium*) Cherry tart (*Prunus cerasus*) as well as other cultivars and hybrids of these

Application Method	Disease	Rate (fl oz)	Remarks
In line Aqueous or floodor application High-Volume (dilute-spray) application	Brown rot Gray mold Rhizopus rot Gilbertella rot	16-32 fl oz / 50 000 lbs of fruit	<ul style="list-style-type: none"> Mix 16 fl oz of SHIELD BRITE FDL-230SC in 50 100 gals or 32 fl oz of SHIELD BRITE FDL-230SC in 100 gals of an appropriate water wax/oil emulsion or aqueous dilution of a wax/oil emulsion Use flooders T-Jet or similar application system
Do not make more than one post-harvest application to cherries			

10/11

Sweet Potato

Use SHIELD BRITE FDL 230SC as a post-harvest dip and low volume application for the control of postharvest rots caused by *Rhizopus stolonifer*

Application Method	Disease	Rate of product (fl oz)	Remarks
In-Line Dip/Drench	Rhizopus rot	16-32 fl oz / 100 gals	<ul style="list-style-type: none"> Mix 16 32 fl oz of SHIELD-BRITE FDL-230SC in 100 gals of water wax/oil emulsion or aqueous dilution of wax/oil emulsion Dip for approximately 30 seconds and allow fruit to drain
In-line Aqueous or Fruit Coating Spray application	Rhizopus rot	16 fl oz / 200 000 lbs of sweet potatoes	<ul style="list-style-type: none"> Ensure proper coverage of the tubers Mix 16 fl oz of SHIELD-BRITE FDL-230SC in an appropriate water wax/oil emulsion or aqueous dilution of a wax/oil emulsion for the crop being treated Use T-Jet CDA or similar application system

Do not make more than one post-harvest application to sweet potatoes

STORAGE AND DISPOSAL

Do not contaminate water food or feed by storage and disposal

PESTICIDE STORAGE Do not store near heat or open flame Store only in original container Keep container closed when not in use Do not store near food or feed In case of spill on floor or paved surfaces mop and remove to chemical waste storage area until proper disposal can be made if product cannot be used according to the label Take special care to avoid contamination of equipment and facilities during cleanup procedures and disposal of wastes

PESTICIDE DISPOSAL Improper disposal of unused 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 of the nearest EPA Regional Office for guidance

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 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

CONTAINER IS NOT SAFE FOR FOOD, FEED OR DRINKING WATER

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 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

NET CONTENTS _____

Manufactured By
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