

AFFIRM™ WDG

For Use on Turf, Ornamentals, and Various Crops

GROUP 19 FUNGICIDE

ACTIVE INGREDIENT:

Polyoxin D zinc salt	11.3%
OTHER INGREDIENTS	88.7%
TOTAL	100.0%

KEEP OUT OF REACH OF CHILDREN

CAUTION

SEE BOOKLET FOR ADDITIONAL PRECAUTIONARY STATEMENTS

FIRST AID	
• IF ON SKIN OR CLOTHING:	<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.
• 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 SWALLOWED:	<ul style="list-style-type: none">• Call 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 so by the poison control center or doctor.• Do not give anything by mouth to an unconscious person.
• IF INHALED:	<ul style="list-style-type: none">• Move person to fresh air.• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.• Call a poison control center or doctor for further treatment advice.
HOTLINE NUMBERS	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
FOR 24-HOUR EMERGENCY MEDICAL ASSISTANCE:	
Call CHEMTREC at 1-800-424-9300 or the Poison Control Center - 1-800-222-1222	

For Product Use Information Call: 1-800-524-1662

EPA Reg. No. 68173-3-1001

EPA Est. No. 70815-GA-1

Distributed by:
CLEARY CHEMICALS LLC
178 Ridge Rd, Suite A
Dayton, NJ 08810-1501



Notification: 09.12.12

Version: 09.12.12

Replaces: 11.23.11



STATE OF HAWAII
Department of Agriculture

ACCEPTED
LICENSE NO. 9174.43



PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION. Harmful if absorbed through skin, swallowed or inhaled. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Avoid breathing dust or spray mist. 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.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

All mixers, loaders, applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Socks
- Shoes
- Chemical-Resistant gloves

User Safety Requirements

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

USER SAFETY RECOMMENDATIONS

- 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

For terrestrial uses. This pesticide is moderately toxic to aquatic invertebrates and fish. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters or rinsate. Do not allow runoff into lakes, streams, ponds or public waterways. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas.

Granules exposed on soil surface may be hazardous to fish and aquatic invertebrates. Collect granules spilled during loading.

Observe the most restrictive of labeling limitations and precautions of all products used in mixtures.

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.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions on this label about personal protective equipment (PPE), notification to workers, and restricted-entry interval.

The requirements in this box only apply to uses of this product that are covered by the Worker Protection



Standard.

Do not enter or allow entry into treated areas during the restricted entry interval (REI) of 4 hours unless wearing appropriate PPE.

PPE required for early entry into treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water is: coveralls, socks, shoes, chemical resistant gloves.

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in the box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries or greenhouses.

Keep children and pets out of treated area until sprays have dried.

GENERAL INFORMATION

AFFIRM™ WDG is not for use on turf being grown for commercial seed production.

AFFIRM™ WDG is not for homeowner use to treat food crops.

AFFIRM™ WDG is for use in controlling or suppressing certain diseases on cucurbit vegetables, fruiting vegetables, ginseng, grapes, pome fruits, strawberries, and seedlings or transplants of cucurbit vegetables and fruiting vegetables in a Greenhouse, Lath or Shade house, Ornamentals (Greenhouse, Lath or Shade house, Field, Nursery, Container, and Residential and Commercial Landscapes), and Turf (including golf courses, sod, residential lawns, parks, athletic fields, and commercial and institutional grounds) composed of cool and warm season grasses such as Bluegrass, Bentgrass, Fescue, Ryegrass, Bermudagrass, St. Augustinegrass, Zoysiagrass, or their mixtures.

Apply AFFIRM™ WDG as a preventative or curative treatment in conjunction with good management practices.

RESISTANCE MANAGEMENT RECOMMENDATIONS

AFFIRM™ WDG contains a Group 19 fungicide. Fungal isolates with acquired resistance to Group 19 may eventually dominate the fungal population if Group 19 fungicides are used repeatedly in the same field or in successive years as the primary method of control for targeted species. This may result in partial or total loss of control of those species by AFFIRM™ WDG or other Group 19 Fungicides.

To delay fungicide resistance, consider:

- Avoiding the consecutive use of AFFIRM™ WDG or other target site of action Group 19 fungicides that have a similar target site of action, on the same pathogens.
- Using tank-mixtures or premixes with fungicides from different target site of action Groups as long as the involved products are all registered for the same use and are both effective at the tank mix or prepack rate on the pathogen(s) of concern.
- Basing fungicide use on a comprehensive IPM program.
- Monitoring treated fungal populations for loss of field efficacy.
- Contacting your local extension specialist, certified crop advisors, and/or manufacturer for fungicide resistance management and/or IPM recommendations for specific crops and resistant pathogens.

MIXING AND APPLICATION

When diseases not specified on this label are present or expected, it is appropriate to mix AFFIRM™ WDG with appropriately labeled fungicides. When tank mixing AFFIRM™ WDG with other products, observe all precautions and limitations on each separate product label. It is always advisable to conduct a tank mix



compatibility test when you plan to mix this product with other products. To determine the physical compatibility of this product with other products, use a jar test. Using a quart jar, add the proportionate amounts of the products to approximately one quart of water with agitation. Add dry formulations first, then flowables, then emulsifiable concentrates last. After thorough mixing, allow this mixture to stand for 5 minutes. If the combination remains mixed or can be readily remixed, it is physically compatible. Once compatibility has been proven, use the same procedure for adding required ingredients to the spray tank. To assess the potential for phytotoxicity, test tank mixtures on a small number of plants prior to more widespread application.

Do not apply this product through any type of irrigation system.

Mixing instructions for AFFIRM™ WDG:

- Fill spray tank with water to ½ of the intended final volume.
- Start spray tank agitation.
- Add the appropriate amount of product to the tank according to the rates in the following tables. Follow the directions above for mixing other products in the spray tank.
- Agitate to ensure thorough mixing while adding the remaining required water.
- DO NOT allow the spray mixture to stand without agitation.

Mix only the amount of spray solution needed to treat the desired area.

For optimum control of labeled diseases, apply AFFIRM™ WDG with sufficient water to provide a thorough coverage.

CUCURBIT VEGETABLES†

[Chayote (fruit), Chinese waxgourd (Chinese preserving melon), Citron melon, Cucumber, Gherkin, Gourd, edible (includes hyotan, cucuzza, hechima, Chinese okra), Momordica spp. (includes balsam apple, balsam pear, bitter melon, Chinese cucumber), Muskmelon (includes true cantaloupe, cantaloupe, casaba, crenshaw melon, golden pershaw melon, honeydew melon, honey balls, mango melon, Persian melon, pineapple melon, Santa Claus melon, and snake melon), Pumpkin, Squash, summer (includes crookneck squash, scallop squash, straightneck squash, vegetable marrow, zucchini), Squash, winter (includes butternut squash, calabaza, hubbard squash, acorn squash, spaghetti squash), Watermelon]

Disease Control	Rate	Application Notes
Powdery Mildew (<i>Sphaerotheca</i> sp.)	6.2 oz/acre (0.7 oz ai/acre)	• Mix in appropriate spray volume appropriate for sufficient coverage.
Gummy Stem Blight (<i>Didymella bryoniae</i>)		• For all diseases, spray product preventatively and continue as needed on a 10-14 day interval.
Gray Mold (<i>Botrytis</i> sp.)		• 0 day Preharvest Interval.
Corynespora leaf spot (<i>Corynespora cassicola</i>)		
Scab (<i>Cladosporium</i> sp.)		
Early Blight (<i>Alternaria</i> sp.)		

Notes:

† Not for use in California

- Use in alternation with fungicides that have different modes of action.
- Do not apply more than 5 applications of AFFIRM™ WDG (3.5 oz ai/acre) per season.



FRUITING VEGETABLES (Except Cucurbits)†

[Eggplant, Groundcherry, Pepino, Pepper (includes bell pepper, chili pepper, cooking pepper, pimento, sweet pepper), Tomatillo, Tomato]

Disease Control	Rate	Application Notes
Powdery Mildew (<i>Leveillula taurica</i> , <i>Oidiopsis sipula</i>)	6.2 oz/acre (0.7 oz ai/acre)	• Mix in appropriate spray volume appropriate for sufficient coverage. • For all diseases, spray product preventatively and continue as needed on a 10-14 day interval. • 0 day Preharvest Interval.
Botrytis Rot (<i>Botrytis</i> sp.)		
Early Blight (<i>Alternaria solani</i>)		

Disease Suppression

Anthracnose

(*Colletotricum coccodes*)

Notes:

† Not for use in California

- Use in alternation with fungicides that have different modes of action.
- Do not apply more than 5 applications of AFFIRM™ WDG (3.5 oz ai/acre) per season.

GINSENG†

Foliar Disease Control	Rate	Application Notes
Alternaria blight (<i>Alternaria panax</i>)	6.2 oz/acre (0.7 oz ai/acre)	• Apply as a foliar spray every 7–10 days. • Apply prior to disease development and when conditions are conducive for disease. ¹
Botrytis blight (<i>Botrytis cinerea</i>)		

Root and Crown Disease Control	Rate	Application Notes
Cylindrocarpon root rot (<i>Cylindrocarpon destructans</i>)	6.2 oz/acre (0.7 oz ai/acre)	• Apply as a drench every 14 days.
Rhizoctonia root and crown rot (<i>Rhizoctonia solani</i>)		• Apply as a drench every 14–28 days.

Notes:

† Not for use in California

- Apply within 2 weeks following plant emergence and continue throughout the season.
- ¹Consult your local extension agent or local recommendations for information relating to proper timing for control of these diseases.
- Use in alternation with fungicides that have different modes of action.
- Do not apply more than 3 applications of AFFIRM™ WDG (2.1 oz ai/acre) per season.

GRAPES

Disease Control	Rate	Application Notes
Botrytis Bunch Rot (<i>Botrytis cinerea</i>) Powdery Mildew (<i>Uncinula necator</i>)	6.2 oz/acre (0.7 oz ai/acre)	<ul style="list-style-type: none"> • Mix in appropriate spray volume appropriate for sufficient coverage. • For Botrytis Bunch Rot control, spray product at veraison and 7 days prior to harvest. • For Powdery Mildew control, begin sprays preventatively and continue as needed on a 14 day interval. • 0 day Preharvest Interval. • Do not apply by air.
Disease Suppression Powdery Mildew (<i>Uncinula necator</i>)		<ul style="list-style-type: none"> • For Powdery Mildew suppression, begin sprays preventatively and continue as needed on a 14 day interval.

Notes:

- Use in alternation with fungicides that have different modes of action
- Do not apply more than 3 applications of AFFIRM™ WDG (2.1 oz ai/acre) per season.

POME FRUITS†

[Apple, Crabapple, Loquat, Mayhaw, Pear, Oriental Pear, Quince]

Disease Control	Rate	Application Notes
Powdery Mildew (Apple: <i>Podosphaera leucotricha</i>) (Pear: <i>Phyllactinia mali</i>) Alternaria Leaf Spot (<i>Alternaria mali</i>) Blotch (<i>Diplocarpon mali</i>)	6.2 oz/acre (0.7 oz ai/acre)	<ul style="list-style-type: none"> • Mix in appropriate spray volume appropriate for sufficient coverage. • Start sprays for scab control at green tip and continue as needed on a 7-10 day interval. • For Powdery Mildew control, begin preventatively and repeat as necessary on a 10-14 day interval. Use of an alternation program with a sterol inhibiting fungicide is recommended. • 0 day Preharvest Interval.
Disease Suppression Scab (<i>Venturia sp.</i>)		

Notes:

† Not for use in California

- Use in alternation with fungicides that have different modes of action.
- Do not apply more than 6 applications of AFFIRM™ WDG (4.2 oz ai/acre) per season.

STRAWBERRIES†

Disease Control	Rate	Application Notes
Anthrachnose Leaf and Fruit Rot (<i>Colletotricum</i> sp.)	6.2 oz/acre (0.7 oz ai/acre)	<ul style="list-style-type: none"> • Mix in appropriate spray volume appropriate for sufficient coverage. • Begin applications preventatively and continue as needed on a 7–10 day interval. • 0 day Preharvest Interval. • Do not apply by air. • Use of adjuvant may enhance coverage.
Botrytis Fruit Rot (<i>Botrytis cinerea</i>)		
Powdery Mildew (<i>Sphaerotheca macularis</i>)		

Notes:

† Not for use in California

- Use in alternation with fungicides that have different modes of action.
- Do not apply more than 3 applications of AFFIRM™ WDG (2.1 oz ai/acre) per season.

ORNAMENTALS

Foliar Disease Control	Rate	Application Notes
Anthrachnose (<i>Colletotricum</i>)	0.25 – 0.5 lb/100 gal/acre (0.03 – 0.06 lb ai/100 gal/acre)	<ul style="list-style-type: none"> • Apply as a full coverage foliar spray every 7 – 10 days with sufficient water for plant type and maturity (50-300 gallons/acre). • Apply prior to disease development and when conditions are conducive to disease development. Consult your local extension agent or local recommendations for information relating to proper timing for control of these diseases.**
*Botrytis blight (<i>Botrytis cinerea</i>)		
Curvularia		
Downy Mildew (<i>Pernospora</i> sp., <i>Plasmopara</i> sp.)		
Powdery Mildew (<i>Oidium</i> sp., <i>Erysiphe</i> sp., <i>Sphaerotheca</i> sp.)		
Rhizoctonia aerial blight (<i>Rhizoctonia solani</i>)		
*Alternaria blight (<i>Alternaria panax</i>)	0.5 lb/100gal/acre (0.06 lb ai/100 gal/acre)	
Petiole Rot (<i>Myrothecium</i>)		
Apple scab (<i>Venturia inequalis</i>)		
Root and Crown Disease Control	Rate	Application Notes
***Rhizoctonia root and crown rot (<i>Rhizoctonia solani</i>)	0.25 – 0.5 lb/100gal/acre (0.03 – 0.06 lb ai/100 gal/acre)	<ul style="list-style-type: none"> • Apply as a soil drench every 14 – 28 days.
Black Root Rot (<i>Thielaviopsis</i>)	0.5 lb/100gal/acre (0.06 lb ai/100 gal/acre)	

Notes:

- * Control
- **Consult your local extension agent or local recommendations for information relating to proper timing for control of these diseases.
- *** Includes Christmas tree (Nursery and plantation), non-bearing fruit vines, non-bearing fruit trees, and non-bearing nut trees
- Use in alternation with fungicides that have different modes of action.

TURF GRASSES

Disease	Rate	Application Notes
Control		
Brown Patch (<i>Rhizoctonia solani</i>)	2.4 lbs /acre (0.27 lb ai/acre)	<ul style="list-style-type: none"> • Repeat treatment on a 7-14 day schedule where environmental conditions are conducive to development of diseases. Consult your local extension agent or local recommendations for information relating to proper timing for control of these diseases. • When symptoms are present, best control will be achieved by using a shorter interval. • For best results apply after mowing. • Apply to obtain thorough plant coverage in a minimum of 66 gallons water per acre.
Large Patch (<i>Rhizoctonia solani</i>)		
Aids in Control (except California)		
Cool Season Brown Patch or Yellow Patch (<i>Rhizoctonia cerealis</i>)		
Foliar and Basal Anthracnose (<i>Colletotrichum cereale</i>)		
Gray Snow Mold (<i>Typhula ishikariensis</i> and <i>Typhula incarnate</i>)		
Leaf Spot/Melting Out (<i>Dreschlera poae</i>)		
Pink Snow Mold (<i>Microdochium nivale</i>)		
Red Thread (<i>Laetisaria fuciformis</i>)		
Rhizoctonia Damping Off (<i>Rhizoctonia solani</i>)		
Rhizoctonia Leaf and Sheath Blight (<i>Rhizoctonia zeae</i>)		
Waitea Patch (Brown Ring Patch) (<i>Waitea circinata</i>)		
Zoysia Patch (<i>Rhizoctonia solani</i>)		
Aids in Suppression (except California)		
Gray Leaf Spot (<i>Pycularia grisea</i>)		
Suppression and Short Term Control:		
Fairy Ring (including <i>Marasmius spp.</i> , <i>Lepiota, spp.</i> and <i>Agarius spp.</i>)	1 oz/1000 sq ft in minimum of 1 gallon of water (0.27 lb ai/acre in 66 gallons of water)	<ul style="list-style-type: none"> • Make two-three applications on a 7-day interval schedule. • Use a penetrating wetting agent.

- Immediately following application, water in the treatment with sufficient irrigation (1/8-1/4") to wet the active root zone.

Notes:

- With the exception for treatment of Fairy Ring, irrigation or rainfall soon after treatment with AFFIRM™ WDG will decrease disease control. For best control, do not irrigate for 12 hours after treatment.
- Use in alternation with fungicides that have different modes of action.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in dry place away from food or feed.

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: Nonrefillable container. Do not reuse or refill this container. Completely empty bag into application equipment. Offer for recycling, if available, or dispose of empty bag in a sanitary landfill or by incineration, or, if allowed, by State and local authorities, by burning. If burned, stay out of smoke.

**FOR 24-HOUR CHEMICAL EMERGENCY (Spill, Leak, Fire or Accident) ASSISTANCE:
CALL CHEMTREC 1-800-424-9300**

Warranty and Disclaimer Statement

- The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Such risks may arise from weather conditions, soil factors, off-target movement, unconventional farming techniques, the presence of other materials, the manner of use or application, or other unknown factors, all of which are beyond the control of Cleary Chemicals LLC (Cleary), and can cause crop injury, injury to non-target crops or plants, ineffectiveness of the product, or other unintended consequences. To the extent consistent with applicable law, all such risks shall be assumed by the user or buyer.
- Cleary warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks described above, when used in accordance with the Directions for Use under normal conditions.
- This warranty does not extend to the use of this product contrary to label instructions or under conditions not reasonably foreseeable to Cleary, and is subject to the inherent risks described above. **TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, CLEARY DISCLAIMS ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, CLEARY, MANUFACTURER, AND SELLER DISCLAIM AND SHALL NOT BE LIABLE FOR ANY SPECIAL, INCIDENTAL, INDIRECT, OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE, HANDLING, APPLICATION, STORAGE, OR DISPOSAL OF THIS PRODUCT OR FOR DAMAGES IN THE NATURE OF PENALTIES, AND THE USER AND BUYER WAIVE ANY RIGHT THAT THEY MAY HAVE TO SUCH DAMAGES. NO AGENT, REPRESENTATIVE OR EMPLOYEE OF CLEARY IS AUTHORIZED TO MAKE ANY WARRANTY, GUARANTEE OR REPRESENTATION BEYOND THOSE CONTAINED HEREIN OR TO MODIFY THE WARRANTIES CONTAINED HEREIN.**
- TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE TOTAL LIABILITY OF CLEARY, MANUFACTURER, AND SELLER, SHALL BE LIMITED TO THE PURCHASE PRICE PAID, OR AT CLEARY'S ELECTION, THE REPLACEMENT OF THE PRODUCT.**

AFFIRM® is a trademark of Cleary Chemical, LLC.



AFFIRM™ WDG

For Use on Turf, Ornamentals, and Various Crops

GROUP 19 FUNGICIDE**ACTIVE INGREDIENT:**

Polyoxin D zinc salt	11.3%
OTHER INGREDIENTS	88.7%
TOTAL	100.0%

KEEP OUT OF REACH OF CHILDREN**CAUTION****SEE BOOKLET FOR ADDITIONAL PRECAUTIONARY STATEMENTS****FIRST AID**

• IF ON SKIN OR CLOTHING:	<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.
• 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 SWALLOWED:	<ul style="list-style-type: none"> • Call 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 so by the poison control center or doctor. • Do not give anything by mouth to an unconscious person.
• IF INHALED:	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. • Call a poison control center or doctor for further treatment advice.

HOTLINE NUMBERS

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

FOR 24-HOUR EMERGENCY MEDICAL ASSISTANCE:

Call CHEMTREC at 1-800-424-9300 or the Poison Control Center - 1-800-222-1222

For Product Use Information Call: 1-800-524-1662

EPA Reg. No. 68173-3-1001

EPA Est. No. 70815-GA-1

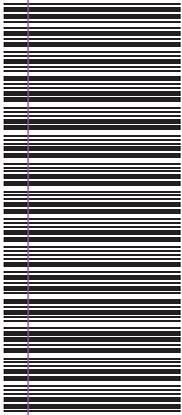
Notification: 09.12.12

Version: 09.12.12

Replaces: 11.23.11

Distributed by:
 CLEARY CHEMICALS LLC
 178 Ridge Rd, Suite A
 Dayton, NJ 08810-1501

NET CONTENTS:
2.4 lbs



0419500000024

