AFFIRM™ WDG

For use on Turf and Ornamentals

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:
  - 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:
  - 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:
  - 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 to do so by the poison control center or doctor.
  - Do not give anything by mouth to an unconscious person.

- IF INHALED:
  - 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 Poison Control Center • 1-800-222-1222

For Product Use Information Call: 1-800-524-1682

NET CONTENTS:
2.4 lbs

EPA Reg. No. 58173-3-1001
EPA Est. No. 70115-GA-1

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

Accepted: 12.16.09
Version: 01.20.10
Notif: 11.02.09
**AFFIRM™ WDG**

For use on Turf and Ornamentals

**ACTIVE INGREDIENT:**
- Polyoxin D zinc salt .......................................................... 11.3%

**GROUP 59 FUNGICIDE**

**OTHER INGREDIENTS** .......................................................... 86.7%

**TOTAL** ...................................................................................... 100.0%

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

SEE BOOKLET FOR ADDITIONAL PRECAUTIONARY STATEMENTS

<table>
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FOR 24-HOUR EMERGENCY MEDICAL ASSISTANCE:

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EPA Reg. No. 68173-3-1501
EPA Est. No. 70815-0A-1
Distributed by:
CLEARY CHEMICALS LLC
178 Ridge Rd. Suite A
Dayton, NJ 08810-1501

Accepted: 12.16.09
Version: 01.20.10
Notif: 11.02.09
Agricultural Use Requirements

Do not apply this product in any field where livestock or crops are fed, grazed, or used as pasture. This product contains an ingredient that is highly toxic to livestock and poultry. Do not contaminate surface or ground water, or apply to vineyards or orchards. If this product accidentally contacts water, stop application immediately. Do not apply this product in or on water or apply to land to be drained into streams, lakes, ponds, or springs. Do not apply this product to water in which fish or shellfish are held for human consumption. Do not use or allow livestock to enter treated areas within 24 hours of application.

Environmental Hazards

Avoid inhaling dust. Do not eat, drink or smoke in the vicinity of this product. Wash hands and face thoroughly after handling. Avoid contact with eyes, mouth, and skin. Do not enter treated area until ground is dry. Do not contaminate surface or ground water. Be alert for other hazards. Do not contaminate water, food, or feed by feeding application equipment or containers to livestock or pets. Do not contaminate water supplies. Do not contaminate water supplies, food, or feed by applying to or within drift of treated areas.

Use Safety Recommendations

Wear proper personal protective equipment. If you inhale, get fresh air. If you are exposed, get medical attention. Do not contaminate surface or ground water. Do not contaminate water, food, or feed by applying to or within drift of treated areas.

Inhalation: Remove victim to fresh air. If symptoms persist, get medical attention. Avoid contact with eyes, mouth, and skin. Do not enter treated area until ground is dry. Do not contaminate surface or ground water. Be alert for other hazards. Do not contaminate water, food, or feed by feeding application equipment or containers to livestock or pets. Do not contaminate water supplies. Do not contaminate water supplies, food, or feed by applying to or within drift of treated areas.

Ingestion: If swallowed, call a poison control center or doctor immediately. Do not induce vomiting. Give a large amount of water if needed. Do not give anything by mouth to an unconscious person. Avoid contact with eyes, mouth, and skin. Do not enter treated area until ground is dry. Do not contaminate surface or ground water. Be alert for other hazards. Do not contaminate water, food, or feed by feeding application equipment or containers to livestock or pets. Do not contaminate water supplies. Do not contaminate water supplies, food, or feed by applying to or within drift of treated areas.

Skin: Wash exposed area with soap and water. Avoid contact with eyes, mouth, and skin. Do not enter treated area until ground is dry. Do not contaminate surface or ground water. Be alert for other hazards. Do not contaminate water, food, or feed by feeding application equipment or containers to livestock or pets. Do not contaminate water supplies. Do not contaminate water supplies, food, or feed by applying to or within drift of treated areas.

Eye: If eye contact occurs, flush with water. Avoid contact with eyes, mouth, and skin. Do not enter treated area until ground is dry. Do not contaminate surface or ground water. Be alert for other hazards. Do not contaminate water, food, or feed by feeding application equipment or containers to livestock or pets. Do not contaminate water supplies. Do not contaminate water supplies, food, or feed by applying to or within drift of treated areas.
The information in this MSDS is based on data available to us as of the revision date given herein, and believed to be correct. Judgments as to the suitability of information herein for the individual’s own uses or purposes are necessarily the individual’s own responsibility. Although reasonable care has been taken in the preparation of such information, Cleary Chemicals LLC extends no warranties, makes no representations, and assumes no responsibility as to the accuracy or suitability of such information for application to the individual’s purposes or the consequences of its use.

<table>
<thead>
<tr>
<th>Reason for issue:</th>
<th>New MSDS [New EPA Registration Number]</th>
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<tr>
<td>Prepared by:</td>
<td>Richard F. Fletcher</td>
</tr>
<tr>
<td>Approval date:</td>
<td>01/18/10</td>
</tr>
<tr>
<td>Supersedes date:</td>
<td>NA</td>
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<tr>
<td>MSDS number:</td>
<td>4195-001</td>
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</table>

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 this 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.

**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: Waste 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

**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 in a Greenhouse, Lath or Shade house, ornaments (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 preventive or curative treatment in conjunction with good management practices.

**RESISTANCE MANAGEMENT DIRECTIONS**

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:
### Section 13: Regulatory Information

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>VS</td>
<td>Class</td>
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<tr>
<td>VS</td>
<td>Office of Commissioner, Consumer Protection, and Economic Development (OCD)</td>
</tr>
<tr>
<td>VS</td>
<td>Federal Communications Commission (FCC)</td>
</tr>
</tbody>
</table>

### Ornamentals

- **Canadian Federal Agency**: Consumer Product Safety Commission (CPSC)
- **California**
- **New York**
- **Washington, D.C.**

**Warning**: Fitted into or installed in a building or structure, with or without a wall, a door or window, and not as an integral part of a window, door or wall, the fitting must be made in accordance with the instructions of the manufacturer, the local code authority and the local electrical authority.

**Note**: The fittings may be of different types, and the manufacturer’s instructions must be followed. The fittings may also be of different types, and the local code authority must be followed. The fittings may also be of different types, and the local electrical authority must be followed.

**Warning**: Do not use the product if it has been subjected to fire, water, or shock. The product must be tested and certified by a qualified testing laboratory before use. The product must be tested and certified by a qualified testing laboratory before use. The product must be tested and certified by a qualified testing laboratory before use.

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AFFIRM™ WDG

Oral Toxicity: LD50 (male rat/mice) = 4,816 mg/kg
LD50 (female rat) = 4,404 mg/kg
LD50 (female mice) = 3,846 mg/kg

Inhalation Toxicity: LC50 (6 hrs) (male rats) = 2.44 mg/L air
LC50 (6 hrs) (female rats) = 2.17 mg/L air

Subchronic Toxicity: No treatment related effects were observed following chronic exposure in lab animals. Calculated Oral NOAEL, female rat = 1,333 mg/kg/day, male rat = 119 mg/kg/day (TGAI)

Chronic/Carcinogenicity (maximum inactive dose): No evidence of carcinogenicity or other treatment related effects following chronic exposure in lab animals. Calculated Oral NOAEL, female mice = 2,059 mg/kg/day, male mice = 2,470 mg/kg/day (TGAI)

Teratology/Developmental Toxicity: None observed (rabbits, mice)

Mutagenicity: Non-Mutagenic

SECTION 12: ECOLOGICAL INFORMATION

Environmental Fate and Distribution: Product decomposes

Aquatic Organism Toxicity (based on technical material): Rainbow trout LC50 (96-hrs) = 5.1 ppm
Daphnia EC50 = 1.4 ppm

Avian Toxicity (based on technical material): Mallard duck-oral LD50 >150 ppm
Mallard duck-dietary LC50 >5000 ppm

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Method: End users must dispose of any unused product as per the label recommendations and in accordance with all applicable laws and regulations. Check governmental regulations and local authorities for approved disposal of this material. Preferred method of disposal is by incineration.

RORA Hazard Class: NA

SECTION 14: TRANSPORT INFORMATION

D.O.T. Shipping Name: NA
Technical Shipping Name: NA
Packing Group: NA
D.O.T. Hazard Class: NA
U.N./N.A. Number: NA
Product RQ (lbs): NA
D.O.T. Label: NA
D.O.T. Placard: NA
Marine Pollutant: NA

MSDS Number: 4195-001 Issue Date: 01/16/10
NDA = No Data Available NA = Not Applicable

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(Rhodotorula solani)

* Alternaria blight
* Rhinobolus proxima
* Applic Scab
* Verticillium avenae

Turf Grasses

Disease | Rate | Application Notes
--- | --- | ---
Brown Patch | 2.4 lbs/acre | 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.

(Except California)

Cloudy: Brown Patch (Yellow Patch)
Foliar and Basal Anthracnose
Gray Snow Mold
Leaf Spot/Molding Out
Pink Snow Mold
Red Thread
Rhizoctonia Damping Off
Rhizoctonia Leaf and Sheath Blight
Walnut Patch (Brown Ring Patch)
Zoysia Patch
Aids in Suppression

Gray Leaf Spot

(Imidacloprid)

Suppression and Short Term Control: 1 oz/1000 sq ft in a minimum of 1 gallon

Make two to three applications on a 7-14 day interval schedule, use a penetrating bonding agent. Immediately following application, water in
### Section 1. Hazardous Decomposition Products

<table>
<thead>
<tr>
<th>Hazardous Decomposition Products</th>
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<tr>
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### Section 2. Stabilization and Reactivity

<table>
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<tr>
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<td>Odor</td>
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<td>Appearance and Physical State:</td>
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<tr>
<td>Light brown or dark brown granules</td>
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</tbody>
</table>

### Section 3. Physical and Chemical Properties

| AFFIRM w/WGD | Page 4 of I |

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*Note: The document contains tables and text in various sections, but the specific content is not fully visible due to the formatting.*
SECTION 5: FIRE FIGHTING MEASURES

Flammable Limits in Air (% by volume):

<p>| | |</p>
<table>
<thead>
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</thead>
<tbody>
<tr>
<td>Upper</td>
<td>NDA</td>
</tr>
<tr>
<td>Lower</td>
<td>NDA</td>
</tr>
</tbody>
</table>

Flash Point: NDA
Method Used: NDA
Auto-ignition Temperature: NDA
LEL/UEL: NDA
NFPA Hazard Classification:

Health: 1
Flammability: 0
Reactivity: 0
Other: None
Extinguishing Media: Water spray or dry chemical
Special Fire Fighting Procedures: NDA
Unusual Fire/Explosion Hazards: NDA
Hazardous Combustion Products: NDA

SECTION 6: ACCIDENTAL RELEASE MEASURES

EMERGENCY PHONE NUMBERS
Poison Control Center: 1-800-222-1222
Spill Call (CHEMTREC): 1-800-424-9300

Sweep up spilled material and place in covered, dry container. Wash spill response materials thoroughly before reuse. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

SECTION 7: HANDLING AND STORAGE

It is a violation of federal law to use this product in a manner inconsistent with its labeling. Read entire label. Use strictly in accordance with label precautionary statements and directions. READ AND OBSERVE ALL PRECAUTIONS ON PRODUCT LABEL. Handle and open container with care. Avoid inhaling this material. Avoid eye and skin contact with this material. Wash contaminated clothes thoroughly before reuse. Use with adequate ventilation. Wash thoroughly with soap and water after handling. Keep container closed or equipped with a local air exhaust. Handle the container carefully. Do not drop or drag the container. Avoid impacts to the container. Store container in dry conditions without direct sunlight.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye Protection: Wear suitable eye protection.
Respiratory/Ventilation Requirements: Dust-proof mask.
Skin Protection: Wear appropriate protective clothing and gloves to prevent skin contact.

Warranty and Disclaimer Statement
1. 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 applications, 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.
2. 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.
3. This warranty does not extend to the use of this product contrary to label instructions or under conditions not reasonably foreseeable by 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.
4. 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.