



## **NOTICE OF WEED CONTROL APPLICATION**

**Date of Application:** April 26, 2024

**Location:** Trails Park Baseball Fields

**Reason for Application:** Spot treat the turf for broadleaf weed control

**Product Manufacturer Name:** Power Zone Broadleaf Herbicide for Turf

-EPA registration no. 2217-834

-Active ingredients: MCPA, 2-ethylhexyl/ester, Mecoprop-p acid, Dicamba acid, and Carfentrazone-ethyl.

-Precautionary statement: Causes moderate eye irritation. Harmful if absorbed through skin. Harmful if swallowed.

**\*No applications within 25 feet of playgrounds**

**\*See attached label and SDS sheet**

**\*Dates are subject to change due to weather**



**ACTIVE INGREDIENTS:**

|                                 |                      |
|---------------------------------|----------------------|
| MCPA, 2-ethylhexyl ester.....   | 41.98%               |
| Mecoprop-p acid.....            | 5.39%                |
| Dicamba acid.....               | 2.69%                |
| Carfentrazone-ethyl.....        | 0.48%                |
| <b>OTHER INGREDIENTS:</b> ..... | 49.46%               |
|                                 | <b>TOTAL 100.00%</b> |

**THIS PRODUCT CONTAINS:**

2.21 lbs. 2-methyl-4-chlorophenoxyacetic acid equivalent per gallon or 26.92%.  
 0.44 lb. (+)-R-2-(2-methyl-4-chlorophenoxy) propionic acid equivalent per gallon or 5.39%.  
 0.22 lb. 3,6-dichloro-o-anisic acid equivalent per gallon or 2.69%.  
 0.04 lb. Ethyl α,2-dichloro-5-[4(difluoromethyl)-4,5-dihydro-3-methyl-5-oxo-1H-1,2,4-triazol-1-yl]-4-fluorobenzenepropanoate per gallon or 0.48%.  
 Contains petroleum distillates.

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

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



**READ THE ENTIRE LABEL FIRST.  
OBSERVE ALL PRECAUTIONS AND  
FOLLOW DIRECTIONS CAREFULLY.**

**PRECAUTIONARY STATEMENTS**

**Hazards to Humans and Domestic Animals**

**CAUTION:** Causes moderate eye irritation. Harmful if absorbed through the skin. Avoid contact with skin, eyes, or clothing. Harmful if swallowed. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

**Personal Protective Equipment (PPE)**

Some materials that are chemical resistant to this product are made of barrier laminate, butyl rubber, nitrile rubber, or viton. If you want more options, follow the instructions for category E on an EPA chemical resistance category selection chart.

Mixers, loaders, applicators, and other handlers must wear:

- Long-sleeved shirt and long pants,
- Shoes plus socks, and
- Chemical-resistant gloves.

**User Safety Requirements**

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

**Engineering Control Statements**

When handlers use closed systems or enclosed cabs in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d)(4-6), the handler PPE requirements may be reduced or modified as specified in the WPS.

**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.

| First Aid   |   |
|---|---|
| <b>If swallowed:</b>  | <ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Do not induce vomiting unless told to by a poison control center or doctor.</li> <li>• Do not give any liquid to the person.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul> |
| <b>If in eyes:</b>  | <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>                                 |
| <b>If on skin or on clothing:</b>   | <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>   |
| <b>If inhaled:</b>  | <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 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. You may also contact 1-877-800-5556 for emergency medical treatment advice.</p> <p><b>NOTE TO PHYSICIAN:</b> Contains petroleum distillates - vomiting may cause aspiration pneumonia.</p> |   |

**Environmental Hazards**

This pesticide may adversely affect non-target plants. Do not apply directly to water, 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 washwater or rinsate. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. Runoff of this product will be reduced by avoiding applications when rainfall is forecasted to occur within 48 hours.

This chemical has properties and characteristics associated with chemicals detected in groundwater. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination. Application around a cistern or well may result in contamination of drinking water or groundwater.

**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.

For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

**Agricultural Use Requirements**

Use this product only in accordance with its labeling and with 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 and exceptions pertaining to the statements on this label about personal protective equipment 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 worker entry into treated areas during the restricted-entry interval (REI) of 48 hours.

PPE required for early entry to 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 worn over short-sleeved shirt and short pants,
- chemical-resistant footwear plus socks,
- chemical-resistant gloves made of any water-proof material,
- chemical-resistant headgear for overhead exposure and
- protective eyewear.

**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.

**Reentry Statement:** Do not enter or allow others to enter the treated area until sprays have dried.

**PRODUCT DESCRIPTION:**

PowerZone® Broadleaf Herbicide For Turf contains four active ingredients including carfentrazone-ethyl that broaden the spectrum of weed control. Carfentrazone-ethyl is in the aryl triazolone family and inhibits protoporphyrinogen oxidase (Protox), a pivotal enzyme in chlorophyll production.

PowerZone offers these advantages:

- Excellent postemergent activity with proven performance for broadleaf weed control in turfgrass.
- Superior cool weather performance.
- High selectivity (turfgrass safety) in established cool season turfgrass and warm season turfgrass.
- Carfentrazone-ethyl combinations provide rapid and effective weed control for common and troublesome weed species in turfgrass, e.g. spurge, pennywort (dollarweed), dandelion, and white clover.
- Fast acting with evidence of injury within hours. The speed of action (rate of phytotoxicity) and the early injury symptoms are unique features of carfentrazone-ethyl combinations. Generally, the injury symptoms can be noticed within hours of the application and plant death can occur within 7 to 14 days.

**SPRAY PREPARATION AND TANK MIXTURES:**

PowerZone is an emulsifiable concentrate intended for dilution with water. In certain applications, liquid fertilizer may replace part of the water as a diluent.

**Water as diluent:**

Add one-half the required amount of water to the spray tank, then add PowerZone slowly with agitation, and complete filling the tank with water. To prevent separation of the emulsion, mix thoroughly and continue agitation while spraying.

This product forms an emulsion and can separate upon extended or prolonged standing. Re-agitate to assure uniformity of the spray mixture. Storage of the spray mixture beyond 72 hours is not recommended.

Do not use tank additives that alter the pH of the spray solution below pH 5 or above pH 8. Buffer the spray solution to alter the pH range as appropriate.

**Liquid fertilizers as diluents:**

Use suitable sources and rates of fertilizer based upon local recommendations. Refer to the mixing directions on the labels of the liquid fertilizers (eg. UAN or urea solutions). Always perform a jar compatibility test before large scale mixing.

**GROUND EQUIPMENT:**

Power sprayers fitted with a boom or spray wand/gun may be used for broadcast applications and spot treatments. For best spray distribution and coverage, select a spray volume and delivery system that will ensure accurate and uniform coverage. Boom sprayers equipped with appropriate flat fan nozzles, tips, and screens are suitable for broadcast applications. Do not use flood nozzles, Raindrop®, or nozzle tips larger than 8008. Spray droplets larger than 400 microns may reduce coverage and subsequent loss in weed control.

Spray volumes of 3 to 175 gallons per acre with spray pressures adjusted to 20 to 40 psi are appropriate. Use higher spray volumes for dense weed populations.

Hand operated sprayers including backpack sprayers, compression sprayers, and knapsack sprayers are appropriate for small turfgrass areas when power equipment is unavailable, uneconomical, or impractical.

This product may cause injury to susceptible/nontarget plants at the use site by contacting the foliage, stems, or roots. To prevent injury to susceptible crops and other desirable broadleaf plants including but not limited to cotton, legumes, tobacco, tomatoes, garden/vegetable crops, and ornamentals (flowers, trees, and shrubs) avoid contact with the spray solution, spray droplets, and spray mist (fine droplets). Do not apply when conditions are conducive to spray drift from the use site to untreated areas.

After using this product, clean sprayer with soap or detergent and water, or an approved spray tank cleaner and rinse thoroughly before applying other pesticides.

Do not apply by air.

**WHERE TO USE:**

PowerZone provides selective broadleaf control in warm season and cool season turfgrass in five (5) use sites.

- **Institutional sites** are defined as turf areas around properties or facilities providing a service to public or private organizations including, but not limited to hospitals, nursing homes, schools, museums, libraries, sport facilities, golf courses (fairways, aprons, and roughs), and office buildings.
- **Ornamental sites** include turfgrass established around residences, parks, streets, retail outlets, cemeteries, industrial and institutional buildings, recreation areas, fairgrounds, and areas adjacent to athletic fields.
- **Residential/domestic sites** are defined as areas associated with the household or home life including, but not limited to apartment complexes, condominiums, and patient care areas of nursing homes, mental institutions, hospitals, or convalescent homes.
- **Agricultural site:** Commercial sod production
- **Noncropland Sites:** Highway rights-of-way (principal, interstate, county, private, and unpaved roads): Roadsides, roadside ditches, road shoulders, road embankments, dividers, and medians. Municipal, state, and federal lands: Airports and military installations.

**Prohibitions of Sites:**

- Do not apply to any body of water such as lakes, streams, rivers, ponds, reservoirs, or estuaries (salt water bays). Do not apply to any shorelines (noncropland sites adjacent to the edges of a body of water) for lakes, streams, rivers, ponds, reservoirs, or estuaries (salt water bays).
- Do not apply to wetlands (swamps, bogs, potholes, or marshes).
- Do not apply to agricultural irrigation water or on agricultural irrigation ditchbanks and canals.
- Do not apply to agricultural drainage water or on agricultural ditchbanks.
- Do not apply this product to bentgrass greens, carpetgrass, dichondra, legumes, and lawns where desirable clovers are present.
- Do not apply this product to St. Augustinegrass during spring green-up which is the transition period between dormancy and active growth.
- Cultivars of St. Augustinegrass vary in tolerance to this product. Do not apply to 'Floritam' St. Augustinegrass.
- Do not use this product on or near desirable plants, including contact of spray on exposed root systems or adventitious shoots within the drip line of desirable trees and shrubs, since injury may result.
- Do not apply by air.

**Turfgrass tolerance:**

The turfgrass tolerance to PowerZone may vary and temporary turfgrass yellowing may occur on certain varieties of hybrid bermudagrass. Environmental conditions and certain spray tank additives (eg. adjuvants, wetting agents, surfactants), liquid fertilizers, and tank mixtures containing other emulsifiable concentrates may reduce the selectivity on the turfgrass.

These cool season and warm season turfgrass species may be treated:

**Cool Season Turf**

- Kentucky bluegrass
- Annual bluegrass
- Annual ryegrass
- Perennial ryegrass
- Tall fescue
- Red or fine leaf fescues
- Mixtures of cool season species in noncropland areas established for roadside vegetation management or for low maintenance. (Kentucky bluegrass, tall fescue, smooth brome grass, and orchardgrass)

**Warm Season Turf**

- Common bermudagrass
- Hybrid bermudagrass
- Zoysiagrass

**APPLICATION SCHEDULES:**

Early postemergent applications of PowerZone are recommended for annual, biennial, and perennial weeds. Apply PowerZone to broadleaf weeds that are young and actively growing for the best results. PowerZone combines a contact herbicide with systemic herbicides and provides little or no residual activity at specified use rates.

PowerZone may be applied as a single broadcast application or as a split/sequential broadcast applications in the spring, summer, or fall. Spring and fall treatments under adequate soil moisture conditions are preferred to the summer treatments. Generally, summer broadcast applications to older, drought stressed weeds are less effective.

Apply sequential broadcast applications or followup applications as spot treatments at a minimum interval of 30 days.

Spot treatments during the summer may be appropriate for sparse infestations, or as a follow-up treatment, or any time broadleaf weeds are susceptible. Apply on a spray-to-wet basis for the best results.

Extremes in environmental conditions e.g. temperature and moisture, soil conditions, and cultural practices may affect the activity of PowerZone. Under warm moist conditions, herbicide symptoms may be accelerated. While under very dry conditions, the expression of herbicide symptoms is delayed, and weeds hardened off by drought are less susceptible to PowerZone.

**For newly seeded areas:**

The application of PowerZone to grass seedlings is recommended after the second mowing.

**For newly sodded, sprigged, or plugged areas:**

The application of PowerZone to newly sodded, sprigged, or plugged grasses should be delayed until 3 to 4 weeks after the sodding, sprigging, or plugging operations.

**For dormant turf:**

Applications to dormant bermudagrass, and dormant zoysiagrass are suggested.

**Prohibitions for application schedules:**

Do not broadcast apply when air temperatures exceed 90°F; some injury may be expected with spot treatments when air temperatures exceed 90°F.

**HOW MUCH TO USE: USE RATES AND SPRAY VOLUMES FOR TURFGRASS:**

Generally, the lower application rates within the specified range will provide satisfactory control of sensitive weed species. The higher application rates within the specified range will be required for dense infestations of perennial weeds, for adverse/extreme environmental conditions, or for weeds beyond the appropriate growth stages.

Use rates and spray volumes of PowerZone as broadcast treatments for use on turfgrass are presented in Table 1.

TABLE 1. USE RATES FOR SOD FARMS, ORNAMENTAL LAWNS AND TURFGRASS.

| Species  | Amount of Product for SENSITIVE WEEDS                         | Amount of Product for HARD-TO-CONTROL WEEDS                 | Spray Volume     |                           |
|--|---|---|------------------|---------------------------|
|  |   |   | Gallons Per Acre | Gallons Per 1,000 sq. ft. |
| <p><b>Cool-Season Turf:</b> Kentucky bluegrass, Annual bluegrass, Annual ryegrass, Perennial ryegrass, Tall Fescue, Red or Fine Fescue.</p> <p>Mixtures of cool-season species in non-cropland areas established for roadside vegetation management or for low maintenance. (Kentucky bluegrass, tall fescue, smooth bromegrass &amp; orchardgrass).</p> | 3.5 to 4 Pints/Acre<br>(1.3 to 1.5 fl. oz. per 1,000 sq. ft.) | 4 to 5 Pints/Acre<br>(1.5 to 1.8 fl. oz. per 1,000 sq. ft.) | 3 to 175         | 0.1 to 4.0                |
| <p><b>Warm Season Turf:</b> Common and Hybrid Bermudagrass, Zoysiagrass.</p>   | 2 to 3 Pints/Acre<br>(0.75 to 1.1 fl. oz. per 1,000 sq. ft.)  | 3 to 4 Pints/Acre<br>(1.1 to 1.5 fl. oz. per 1,000 sq. ft.) | 3 to 175         | 0.1 to 4.0                |

**Limitations on broadcast treatments for turfgrass on all use sites:**

The maximum application rate is 5.0 pints of product per acre per application (1.38 lb. MCPA ae, 0.28 lb. MCPP-p ae, and 0.14 lb. dicamba ae per acre per application). The maximum number of broadcast applications is limited to 2 per year with a minimum of 30 days between applications. The maximum seasonal rate is 10 pints of product per acre per year (2.76 lb. MCPA ae, 0.55 lb. MCPP-p ae, and 0.28 lb. dicamba ae per acre per year), excluding spot treatments.

**SPOT TREATMENTS WITH HAND OPERATED SPRAYERS (INCLUDING BACKPACK SPRAYERS, COMPRESSION SPRAYERS, AND KNAPSACK SPRAYERS):**

- For cool season turfgrass, mix 1.5 to 2.2 fl. oz. of PowerZone per one (1.0) gallon of water for treatment of approximately 1,000 sq. ft. of turfgrass. Apply any time the emerged broadleaf weeds are susceptible. Spray the target weeds thoroughly and wet the entire leaf surface of the undesirable plants.
- For warm season turfgrass, mix 0.75 to 1.5 fl. oz. of PowerZone per one (1.0) gallon of water for treatment of approximately 1,000 sq. ft. of turfgrass. Apply any time the emerged broadleaf weeds are susceptible. Spray the target weeds thoroughly and wet the entire leaf surface of the undesirable plants.

**Limitations on spot treatments for turfgrass on all use sites:**

Spot treatment is defined as a treatment area no greater than 1,000 sq. ft. per acre. The maximum application rate is 2.2 fl. oz. per 1,000 sq. ft. per application (0.33 lb. MCPP-p acid equivalent per acre). The maximum number of spot treatments is limited to 2 per year with a minimum of 30 days between applications.

**Tank Mixtures:**

PowerZone may be tank mixed with other herbicides EPA-registered for use on turfgrass to broaden the weed control spectrum compared to the products alone. These tank mixtures must be used according to the most restrictive label limitations and precautions. No label dosage rate should be exceeded. Follow the labeling of each companion product for precautionary statements, directions for use, dosage rates, and application schedules. Tank mixture recommendations are for use only in states where the companion products and application site are registered.

**CULTURAL TIPS FOR IMPROVED CONTROL:**

**Irrigation:**

- Do not apply this product through any type of irrigation system.
- Do not apply this product immediately before rainfall or irrigation. Do not irrigate or water the turfgrass within 24 hours after application

**Mowing:**

- Delay mowing 1 to 2 days before and after the application of this product.

**Reseeding interval:**

- Treated areas may be reseeded 2 weeks after application.

**SPRAY DRIFT MANAGEMENT**

Avoiding spray drift at the application site is the responsibility of the applicator. The interaction of many equipment-and weather-related factors determine the potential for spray drift. The applicator and the grower are responsible for considering all these factors when making decisions.

Apply only as a medium or coarser spray (ASAE standard 572) or a volume mean diameter of 300 microns or greater for spinning atomizer nozzles.

**Wind Speed**

Apply only when the wind speed is 2 to 10 mph at the application site. Do not apply at wind speeds greater than 10 mph.

**Additional requirements for ground boom application:**

Do not apply with a nozzle height greater than 4 feet above the crop canopy.

**BROADLEAF WEEDS CONTROLLED:**

PowerZone will control or suppress the following broadleaf weeds and will control or suppress other broadleaf weeds that are susceptible to MCPA.

**BROADLEAF WEEDS**

|  |   |   |
|--|---|---|
| Annual fleabane  | Field oxeye-daisy<br>(*creeping oxeye)            | Prostrate knotweed<br>(*knotweed)   |
| Aster, white heath & white prairie                     | Field pennycress                                  | Puncturevine  |
| Bedstraw   | Filaree, whitestem & redstem                      | Purple cudweed  |
| Beggarticks  | Florida pusley                                    | Purslane  |
| Beggarweed, creeping                                   | Ground ivy  | Ragweed   |
| Bindweed   | Groundsel   | Redweed   |
| Birdsfoot trefoil                                      | Hairy bittercress                                 | Red sorrel<br>(*sheep sorrel)   |
| Black medic  | Hawkweed  | Roundleaf greenbriar  |
| Broadleaf plantain                                     | Healall   | Shepherd's purse  |
| Buckhorn plantain                                      | Henbit  | Spotted spurge  |
| Bull thistle   | Horsenettle                                       | Spurge, prostrate   |
| Burclover  | Horseweed   | Star-of-Bethlehem   |
| Burdock, common  | Innocence (Blue-eyed Mary)                        | Sunflower   |
| Buttercup, creeping                                    | Jimsonweed  | Thistle   |
| Carpetweed   | Kochia  | Velvetleaf (*buttonweed)  |
| Chickweed, common                                      | Lambsquarters                                     | Venice mallow   |
| Chicory  | Lawn burweed                                      | Veronica<br>(*corn speedwell)   |
| Cinquefoil   | Lespedeza, common                                 | Virginia buttonweed   |
| Clover   | Mallow, common                                    | Virginia creeper  |
| Cocklebur  | Matchweed   | Western salsify   |
| Common mullein   | Mouseear chickweed                                | White clover (*Dutch clover, honeysuckle clover, white trefoil, & purplewort) |
| Compassplant   | Mustard   | Wild carrot   |
| Curly dock   | Nettle  | Wild garlic   |
| Dandelion  | Old world diamond flower                          | Wild geranium   |
| Dayflower  | Oxalis (*yellow woodsorrel & creeping woodsorrel) | Wild lettuce  |
| Deadnettle   | Parsley-piert                                     | Wild mustard  |
| Dock   | Pennsylvania smartweed                            | Wild onion  |
| Dogfennel  | Pennywort (*dollarweed)                           | Wild strawberry   |
| Dovefoot geranium                                      | Pepperweed  | Wild violet   |
| English daisy  | Pigweed   | Yarrow  |
| False dandelion<br>(*spotted catsear & common catsear) | Pineappleweed                                     | Yellow rocket   |
| Field bindweed<br>(*morningglory & creeping jenny)     | Plantain  |   |
| Field madder   | Poison ivy  |   |
|  | Poison oak  |   |

\*Synonyms

**STORAGE AND DISPOSAL**

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

**PESTICIDE STORAGE:** Store in original container in a locked storage area inaccessible to children or pets. Keep from freezing.

**PESTICIDE DISPOSAL:** Pesticide wastes are acutely hazardous. Improper disposal of excess 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 at the nearest EPA Regional Office for guidance.

**CONTAINER HANDLING:** Nonrefillable container. Do not reuse or refill this container. 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.

(cont. on next page)

**STORAGE AND DISPOSAL (cont.)**

Triple rinse or pressure 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 1/4 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.

OR

Pressure rinse as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

**LIMITED WARRANTY AND DISCLAIMER**

**IMPORTANT:** Read this LIMITED WARRANTY AND DISCLAIMER before buying or using this product. By opening and using this product, buyer and all users agree to accept the terms of this LIMITED WARRANTY AND DISCLAIMER in their entirety and without exception. If the terms are not acceptable, return this product unopened immediately to the point of purchase, and the purchase price will be refunded in full.

It is impossible to eliminate all risks inherently associated with use of this product. Damage to the treated article, ineffectiveness, or other unintended consequences can result from use of the product under abnormal conditions such as weather, presence of other materials, or the manner of use or application, etc. Such factors and conditions are beyond the control of the manufacturer, and **BY PURCHASING AND USING THIS PRODUCT THE BUYER AND ALL USERS OF THIS PRODUCT AGREE TO ACCEPT ALL SUCH RISKS.** Buyer and all users further agree to assume all risks of loss or damage from the use of the product in any manner that is not explicitly set forth in or that is inconsistent with label instructions, warnings and cautions.

The manufacturer warrants only that this product conforms to the chemical description given on the label, and that the product is reasonably suited for the labeled use when applied according to the Directions for Use, subject to the inherent risks described below. **TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE MANUFACTURER NEITHER MAKES NOR INTENDS ANY OTHER EXPRESS OR IMPLIED WARRANTIES, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, WHICH ARE HEREBY EXPRESSLY DISCLAIMED.**

**TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF BUYER AND ALL USERS OF THIS PRODUCT, AND THE EXCLUSIVE LIABILITY OF THE MANUFACTURER, FOR ANY AND ALL LOSSES, DAMAGES, OR INJURIES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER OR NOT BASED IN CONTRACT, NEGLIGENCE, STRICT LIABILITY IN TORT OR OTHERWISE, SHALL BE LIMITED, AT THE MANUFACTURER'S OPTION, TO REPLACEMENT OF OR THE REPAYMENT OF THE PURCHASE PRICE FOR THE QUANTITY OF PRODUCT WITH RESPECT TO WHICH DAMAGES ARE CLAIMED. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, IN NO CASE SHALL THE MANUFACTURER BE LIABLE FOR INCIDENTAL, CONSEQUENTIAL, OR SPECIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.** The Manufacturer must be promptly notified in writing of any claims, whether based in contract, tort, negligence, strict liability, or otherwise, to be eligible to receive either remedy stated above.

The terms of this LIMITED WARRANTY AND DISCLAIMER cannot be varied by any written or verbal statements or agreements at the point of sale or elsewhere. No employee or agent of the manufacturer or seller is authorized to vary or exceed the terms of this Limited Warranty and Disclaimer in any manner.

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653/12-2018 AP110409  
EPA REG. NO. 2217-834



**MANUFACTURED BY  
PBI/GORDON CORPORATION  
P.O. BOX 860350  
SHAWNEE, KANSAS 66286  
PBIGordonTurf.com**

**ATTENTION:** This specimen label is provided for informational use only. This product may not yet be available for sale in your state or area. The information found in this label may differ from the information found on the product label you are using. Always follow the instructions for use and precautions on the label of the product you are using.

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

**Product identifier**

**Product Name** PowerZone® Broadleaf Herbicide for Turf

**Other means of identification**

**Product Code** PBI FP 6531076  
**EPA Pesticide Registration Number** 2217-834  
**Product Size** 4/1 U. S. Gal.

**Recommended use of the chemical and restrictions on use**

**Recommended Use** Herbicide.  
**Uses advised against** No information available.

**Details of the supplier of the safety data sheet**

|                                   |                         |                        |
|-----------------------------------|-------------------------|------------------------|
| <b>Supplier</b>                   | <b>Manufacturer</b>     | <b>Company Name</b>    |
| PBI Gordon Corporation            | PBI Gordon Corporation  | PBI Gordon Corporation |
| P.O. Box 860350                   | P.O. Box 860350         | P.O. Box 860350        |
| Shawnee, KS 66286                 | Shawnee, KS 66286       | Shawnee, KS 66286      |
| <b>Emergency telephone number</b> |                         |                        |
| <b>Emergency Telephone</b>        | Chemtrec 1-800-424-9300 |                        |

## 2. HAZARDS IDENTIFICATION

**Classification**

**OSHA Regulatory Status**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

|   |             |
|---|-------------|
| Acute Oral Toxicity                         | Category 4  |
| Acute dermal toxicity                       | Category 4  |
| Acute Inhalation Toxicity - Gases           | Category 4  |
| Acute Inhalation Toxicity - Dusts and Mists | Category 4  |
| Skin Corrosion/Irritation Category          | Category 2  |
| Serious eye damage/eye irritation           | Category 2B |
| Skin Sensitization                          | Category 1  |
| Aspiration Toxicity                         | Category 1  |
| Acute Aquatic Toxicity                      | Category 1  |
| Chronic Aquatic Toxicity                    | Category 1  |
| Flammable liquids                           | Category 4  |

**Label elements**

**Emergency Overview**

**Danger**

**Hazard statements**

Harmful if swallowed. Harmful in contact with skin. Harmful if inhaled. Causes skin irritation. Causes eye irritation. May cause an allergic skin reaction. May be fatal if swallowed and enters airways. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.  
 Combustible liquid.



Appearance Liquid

Physical state Liquid

Odor Esters

**Precautionary Statements - Prevention**

- Wash face, hands and any exposed skin thoroughly after handling
- Do not eat, drink or smoke when using this product
- Wear protective gloves/protective clothing/eye protection/face protection
- Avoid breathing dust/fume/gas/mist/vapors/spray
- Use only outdoors or in a well-ventilated area
- Avoid release to the environment
- Keep away from heat/sparks/open flames/hot surfaces. — No smoking

**Precautionary Statements - Response**

- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
- IF ON SKIN: Wash with plenty of soap and water
- Call a POISON CENTER or doctor/physician if you feel unwell
- Wash contaminated clothing before reuse
- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
- Call a POISON CENTER or doctor/physician if you feel unwell
- Rinse mouth
- IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
- Do NOT induce vomiting
- In case of fire: Use CO2, dry chemical, or foam for extinction
- Collect spillage

**Precautionary Statements - Storage**

- Store locked up
- Store in a well-ventilated place. Keep cool

**Precautionary Statements - Disposal**

- Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)**

Have the product label with you when calling a poison control center or doctor or going in for treatment. You may also contact 1-877-800-5556 for emergency medical treatment advice.

**Other information**

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

| Chemical name  | CAS-No      | Weight-% |
|--|-------------|----------|
| MCPA EH Ester  | 29450-45-1  | 41.98    |
| Trade Secret   | Proprietary | 10-20*   |
| Trade Secret   | Proprietary | 0-10*    |
| R(+)-2(2 Methyl-4-chlorophenoxy)propionic acid (MCP) | 16484-77-8  | 5.39     |
| 3,6-Dichloro-o-anisic acid (Dicamba)                 | 1918-00-9   | 2.69     |
| Carfentrazone-ethyl                                  | 128639-02-1 | 0.48     |

\* The exact percentage (concentration) of composition has been withheld as a trade secret

#### 4. FIRST AID MEASURES

##### Description of first aid measures

|   |   |
|---|---|
| <b>General advice</b>                     | If symptoms persist, call a physician. Do not breathe dust/fume/gas/mist/vapors/spray. Do not get in eyes, on skin, or on clothing.   |
| <b>Eye contact</b>                        | Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician.   |
| <b>Skin Contact</b>                       | Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If skin irritation persists, call a physician.  |
| <b>Inhalation</b>                         | Move to fresh air in case of accidental inhalation of vapors or decomposition products. If breathing is irregular or stopped, administer artificial respiration. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. If symptoms persist, call a physician. |
| <b>Ingestion</b>                          | Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a physician immediately.  |
| <b>Self-protection of the first aider</b> | Use personal protective equipment as required.  |

##### Most important symptoms and effects, both acute and delayed

**Symptoms** No information available.

##### Indication of any immediate medical attention and special treatment needed

**Note to physicians** Contains petroleum distillate - vomiting may cause aspiration pneumonia.

#### 5. FIRE-FIGHTING MEASURES

##### Suitable extinguishing media

Foam. Carbon dioxide (CO2). Dry chemical.

##### Specific hazards arising from the chemical

No information available.

##### Explosion data

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

##### Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

#### 6. ACCIDENTAL RELEASE MEASURES

##### Personal precautions, protective equipment and emergency procedures

**Personal precautions** Use personal protective equipment as required. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

##### Environmental precautions

**Environmental precautions** Prevent entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. See Section 12 for additional ecological information.

##### Methods and material for containment and cleaning up



|                                |   |
|--------------------------------|---|
| <b>Methods for containment</b> | Prevent further leakage or spillage if safe to do so.   |
| <b>Methods for cleaning up</b> | Dam up. Soak up with inert absorbent material. Cover liquid spill with sand, earth or other non-combustible absorbent material. Pick up and transfer to properly labeled containers. Clean contaminated surface thoroughly. After cleaning, flush away traces with water. |

**7. HANDLING AND STORAGE**

**Precautions for safe handling**

|                                |  |
|--------------------------------|--|
| <b>Advice on safe handling</b> | Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Wash contaminated clothing before reuse. Do not breathe dust/fume/gas/mist/vapors/spray. Do not eat, drink or smoke when using this product. Use with local exhaust ventilation. |
|--------------------------------|--|

**Conditions for safe storage, including any incompatibilities**

|                               |   |
|-------------------------------|---|
| <b>Storage Conditions</b>     | Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children. Keep in properly labeled containers. Keep from freezing. |
| <b>Incompatible materials</b> | None known.   |

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control parameters**

|                            |   |
|----------------------------|---|
| <b>Exposure Guidelines</b> | Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992). |
| <b>Other Information</b>   |   |

**Appropriate engineering controls**

|                             |  |
|-----------------------------|--|
| <b>Engineering Controls</b> | Ensure adequate ventilation, especially in confined areas. |
|-----------------------------|--|

**Individual protection measures, such as personal protective equipment**

|                                       |   |
|---------------------------------------|---|
| <b>Eye/face protection</b>            | Tight sealing safety goggles. Face protection shield.   |
| <b>Skin and body protection</b>       | Wear protective gloves and protective clothing.   |
| <b>Respiratory protection</b>         | If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations. |
| <b>General Hygiene Considerations</b> | When using do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing is recommended.  |

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Information on basic physical and chemical properties**

|                               |                    |                                  |                          |
|-------------------------------|--------------------|----------------------------------|--------------------------|
| <b>Physical state</b>         | Liquid             | <b>Odor</b>                      | Esters                   |
| <b>Appearance</b>             | Liquid             | <b>Odor threshold</b>            | No information available |
| <b>Color</b>                  | Amber              |                                  |                          |
| <b>Property</b>               | <b>Values</b>      | <b>Remarks • Method</b>          |                          |
| pH                            | Not Applicable     |                                  |                          |
| Melting point/freezing point  | <35 °F             |                                  |                          |
| Boiling point / boiling range | > 93 °C / 200 °F   |                                  |                          |
| Flash point                   | > 93 °C / > 200 °F | Pensky-Martens Closed Cup (PMCC) |                          |

|                              |                          |
|------------------------------|--------------------------|
| Evaporation rate             | < 1                      |
| Flammability (solid, gas)    | No information available |
| Flammability Limit in Air    |                          |
| Upper flammability limit:    | No information available |
| Lower flammability limit:    | No information available |
| Vapor pressure               | No information available |
| Vapor density                | >1                       |
| Specific Gravity             | 0.9813                   |
| Water solubility             | Emulsifiable             |
| Solubility in other solvents | No information available |
| Partition coefficient        | No information available |
| Autoignition temperature     | No information available |
| Decomposition temperature    | No information available |
| Oxidizing properties         | No information available |

**Other Information**

Density 8.18 pounds/gallon

**10. STABILITY AND REACTIVITY**

Reactivity

No data available

Chemical stability

Stable.

Possibility of Hazardous Reactions

None under normal processing.

Hazardous polymerization

Will not occur.

Conditions to avoid

Keep out of reach of children.

Incompatible materials

None known.

Hazardous decomposition products

May emit toxic fumes under fire conditions. Hydrogen chloride. Nitrogen oxides (NOx). Carbon monoxide.

**11. TOXICOLOGICAL INFORMATION**

Information on likely routes of exposure

**Product Information**

|                     |  |
|---------------------|--|
| <b>Inhalation</b>   | Irritant, moderate respiratory.  |
| <b>Eye contact</b>  | Moderately irritating to the eyes.   |
| <b>Skin Contact</b> | Moderate skin irritation.  |
| <b>Ingestion</b>    | Ingestion of large amounts can cause abdominal discomfort, nausea, and vomiting. |

| Chemical name               | Oral LD50            | Dermal LD50             | Inhalation LC50        |
|-----------------------------|----------------------|-------------------------|------------------------|
| MCPA EH Ester<br>29450-45-1 | = 1300 mg/kg ( Rat ) | -                       | -                      |
| Trade Secret                | > 5000 mg/kg ( Rat ) | > 2000 mg/kg ( Rabbit ) | > 5.2 mg/L ( Rat ) 4 h |
| Trade Secret                | = 1870 µL/kg ( Rat ) | = 1110 µL/kg ( Rabbit ) | -                      |

|   |                      |  |                         |
|---|----------------------|--|-------------------------|
| R(+)/2(2 Methyl-4-chlorophenoxy)propionic acid (MCP) 16484-77-8 | = 1050 mg/kg ( Rat ) | > 4 g/kg ( Rat )   | -                       |
| 3,6-Dichloro-o-anisic acid (Dicamba) 1918-00-9                  | = 1039 mg/kg ( Rat ) | = 1716 mg/kg ( Rabbit ) > 1 g/kg ( Rat ) > 2 g/kg ( Rabbit ) | -                       |
| Carfentrazone-ethyl 128639-02-1                                 | = 5143 mg/kg ( Rat ) | > 4000 mg/kg ( Rat )   | = 5.09 mg/L ( Rat ) 4 h |

**Information on toxicological effects**

**Symptoms** No information available.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Sensitization** May cause sensitization by skin contact.  
**Germ cell mutagenicity** No information available.  
**Carcinogenicity** The International Agency for Research on Cancer (IARC) lists chlorophenoxy herbicides in its Group 2B (limited evidence for Carcinogenicity in humans.) The US EPA has given the chlorophenoxy Herbicides 2,4-D, 2,4-DP, MCP, and MCPA a Class D classification (not classifiable as to human carcinogenicity.) More current 2,4-D lifetime feeding studies in rats and mice did not show carcinogenic effects and a recent World Health Organization (WHO) review of 2,4-D toxicology has concluded that 2,4-D is not a carcinogen. The table below indicates whether each agency has listed any ingredient as a carcinogen.

| Chemical name   | ACGIH | IARC     | NTP | OSHA |
|---|-------|----------|-----|------|
| MCPA EH Ester 29450-45-1  |       | Group 2B |     |      |
| R(+)/2(2 Methyl-4-chlorophenoxy)propionic acid (MCP) 16484-77-8 |       | Group 2B |     | X    |

**IARC (International Agency for Research on Cancer)**

Group 2B - Possibly Carcinogenic to Humans

**OSHA (Occupational Safety and Health Administration of the US Department of Labor)**

X - Present

**Reproductive toxicity** No information available.  
**STOT - single exposure** No information available.  
**STOT - repeated exposure** No information available.  
**Chronic toxicity** Avoid repeated exposure. Repeated contact may cause allergic reactions in very susceptible persons.  
**Aspiration hazard** No information available.

**Numerical measures of toxicity - Product Information**

**Unknown Toxicity** 1 % of the mixture consists of ingredient(s) of unknown toxicity

**LD50 Oral VALUE (mg/kg)** > 2000 mg/kg Rat-male Rat-female

**LD50 Dermal VALUE** > 2000 mg/kg Rat-female Rat-male

**LC50 Inhalation (DUST) VALUE** > 2.06 mg/L Rat-male Rat-female

The following values are calculated based on chapter 3.1 of the GHS document

**ATEmix (inhalation-gas)** 2732 mg/L

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

Very toxic to aquatic life with long lasting effects

0% of the mixture consists of component(s) of unknown hazards to the aquatic environment

| Chemical name               | Algae/aquatic plants   | Fish  | Toxicity to microorganisms | Crustacea  |
|-----------------------------|--|---|----------------------------|--|
| MCPA EH Ester<br>29450-45-1 | 0.46: 72 h<br>Pseudokirchneriella<br>subcapitata mg/L EC50<br>0.43: 96 h<br>Pseudokirchneriella<br>subcapitata mg/L EC50 | 3.2 - 4.6: 96 h Lepomis<br>macrochirus mg/L LC50<br>flow-through 3.2: 96 h<br>Oncorhynchus mykiss mg/L<br>LC50 flow-through 0.55: 96 h<br>Lepomis macrochirus mg/L<br>LC50 static |                            | 0.29: 48 h Daphnia magna<br>mg/L EC50              |
| Trade Secret                |  | 2.2: 96 h Lepomis<br>macrochirus mg/L LC50<br>static 2.4: 96 h<br>Oncorhynchus mykiss mg/L<br>LC50 static 45: 96 h<br>Pimephales promelas mg/L<br>LC50 flow-through               |                            | 4720: 96 h Den-dronereides<br>heteropoda mg/L LC50 |
| Trade Secret                |  | 1.8: 96 h Oncorhynchus<br>mykiss mg/L LC50  |                            |  |

**Persistence and degradability**

No information available.

**Bioaccumulation**

No information available.

**Other adverse effects**

No information available

**13. DISPOSAL CONSIDERATIONS**

**Waste treatment methods**

**Disposal of wastes**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated packaging**

Do not reuse container, unless specified by the manufacturer.

**14. TRANSPORT INFORMATION**

**DOT**

Not regulated

**TDG**

Not regulated

**MEX**

Not regulated

**ICAO (air)**

**UN/ID no.**

UN3082

**Proper shipping name**

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

**Hazard class**

9

**Packing group**

III

**Special Provisions**

A97, A158, A197

**Description**

UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (MCPA EH Ester, Carfentrazone-ethyl), 9, III

**IATA**

Limited quantity applies with an inner packaging less than 5 L or gross package weight less than 30 kg.

**UN number**

UN3082

**UN proper shipping name**

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

**Transport hazard class(es)**

9

**Packing group**

III

**Special Provisions**

A97, A158, A197

|                                       |  |
|---------------------------------------|--|
| <b>Description</b>                    | UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (MCPA EH Ester, Carfentrazone-ethyl), 9, III                   |
| <b>IMDG</b>                           | Limited quantity applies with an inner packaging less than 5 L or gross package weight less than 30 kg.                    |
| <b>UN number</b>                      | UN3082   |
| <b>UN proper shipping name</b>        | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  |
| <b>Transport hazard class(es)</b>     | 9  |
| <b>Packing group</b>                  | III  |
| <b>EmS-No.</b>                        | F-A, S-F   |
| <b>Special Provisions Description</b> | 274, 335, 969  |
|                                       | UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (MCPA EH Ester, Carfentrazone-ethyl), 9, III, Marine Pollutant |

**15. REGULATORY INFORMATION**

**U.S. EPA Label Information**

EPA Pesticide Registration Number 2217-834

**Federal Insecticide, Fungicide, Rodenticide Act Regulations**

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

**EPA Pesticide Label**

Caution

Keep out of the reach of children

**PRECAUTIONARY STATEMENTS**

Hazards to Humans and Domestic Animals

CAUTION: Causes moderate eye irritation. Harmful if absorbed through the skin. Avoid contact with skin, eyes, or clothing. Harmful if swallowed. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

Environmental Hazards

This pesticide may adversely affect non-target plants. Do not apply directly to water, 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 washwater or rinsate. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. Runoff of this product will be reduced by avoiding applications when rainfall is forecasted to occur within 48 hours. This chemical has properties and characteristics associated with chemicals detected in groundwater. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination. Application around a cistern or well may result in contamination of drinking water or groundwater.

**International Inventories**

|                      |            |
|----------------------|------------|
| <b>TSCA</b>          | Not Listed |
| <b>DSL/NDSL</b>      | Not Listed |
| <b>EINECS/ELINCS</b> | Not Listed |
| <b>ENCS</b>          | Not Listed |
| <b>IECSC</b>         | Not Listed |
| <b>KECL</b>          | Not Listed |
| <b>PICCS</b>         | Not Listed |
| <b>AICS</b>          | Not Listed |

**Legend:**

- TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
- DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
- EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
- ENCS - Japan Existing and New Chemical Substances
- IECSC - China Inventory of Existing Chemical Substances
- KECL - Korean Existing and Evaluated Chemical Substances
- PICCS - Philippines Inventory of Chemicals and Chemical Substances
- AICS - Australian Inventory of Chemical Substances

| Chemical name | TSCA | DSL | NDSL | EINECS | ELINCS | ENCS | IECSC | KECL | PICCS | AICS |
|---------------|------|-----|------|--------|--------|------|-------|------|-------|------|
| MCPA EH Ester |      |     |      | X      |        |      | X     |      |       | X    |

|   |   |   |  |   |  |   |   |   |   |   |
|---|---|---|--|---|--|---|---|---|---|---|
| Trade Secret  | X | X |  | X |  |   | X | X | X | X |
| Trade Secret  | X | X |  |   |  |   | X | X | X | X |
| R(+)/2(2)<br>Methyl-4-chlorophenoxypropionic acid (MCP) |   |   |  | X |  |   |   |   |   |   |
| 3,6-Dichloro-o-anisic acid (Dicamba)                    |   |   |  | X |  | X |   | X | X | X |
| Carfentrazone-ethyl                                     |   |   |  |   |  |   | X |   |   |   |

**US Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

| Chemical name                                    | SARA 313 - Threshold Values % |
|--|-------------------------------|
| 3,6-Dichloro-o-anisic acid (Dicamba) - 1918-00-9 | 1.0                           |

**SARA 311/312 Hazard Categories**

|                                   |     |
|-----------------------------------|-----|
| Acute health hazard               | Yes |
| Chronic Health Hazard             | No  |
| Fire hazard                       | No  |
| Sudden release of pressure hazard | No  |
| Reactive Hazard                   | No  |

**CWA (Clean Water Act)**

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

| Chemical name                                  | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|--|-----------------------------|------------------------|---------------------------|----------------------------|
| 3,6-Dichloro-o-anisic acid (Dicamba) 1918-00-9 | 1000 lb                     |                        |                           | X                          |

**CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

| Chemical name                                  | Hazardous Substances RQs | CERCLA/SARA RQ | Reportable Quantity (RQ)                  |
|--|--------------------------|----------------|---|
| 3,6-Dichloro-o-anisic acid (Dicamba) 1918-00-9 | 1000 lb                  |                | RQ 1000 lb final RQ<br>RQ 454 kg final RQ |

**US State Regulations**

**U.S. State Right-to-Know Regulations**

| Chemical name                                  | New Jersey | Massachusetts | Pennsylvania |
|--|------------|---------------|--------------|
| 3,6-Dichloro-o-anisic acid (Dicamba) 1918-00-9 | X          | X             | X            |

**International Regulations**

Mexico - Grade Moderate risk, Grade 2

**16. OTHER INFORMATION**

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|             |                  |                |                    |                                    |
|-------------|------------------|----------------|--------------------|------------------------------------|
| <u>NFPA</u> | Health hazards 2 | Flammability 1 | Instability 0      | Physical and Chemical Properties - |
| <u>HMIS</u> | Health hazards 2 | Flammability 1 | Physical hazards 0 | Personal protection X              |

**Disclaimer**

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**End of Safety Data Sheet**