NOTICE OF WEED CONTROL APPLICATION

Date of Application: October 14, 2026

Location: Ridgebrook Park

Reason for Application: Reason for Application: Prevention of a wide variety of weeds in the turf.

Product Manufacturer Name: SpeedZone
-EPA registration no. 2217-1053
-Active ingredients: 2,4 -D Ethylhxyl ester, Mecoprop -p DMA salt, Dicambi, DMA salt, Carfentrazone-ethyl
-Precautionary statement: Causes moderate eye irritation. Harmful if swallowed. Avoid contact with eyes, or clothing.

Product Manufacturer Name: Lesco Dimension 0.27G Turf and Ornamental Herbicide
-EPA registration no. 62719-429-10404
-Active ingredients: Dithiopyr: 3,5-pyridinedicarbothioic acid, 2- (difluoromethyl)-4-(2-methylpropyl)-6-(trifluoromethyl)-S, S-dimethyl ester.
-Precautionary statement: Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

***See attached label and SDS sheet**
***Dates are subject to change due to weather**

CLICK HERE TO JUMP TO USE DIRECTIONS

GORDON'S ProForm PROFESSIONAL FORMULATIONS

Speed•Zone®

BROADLEAF HERBICIDE FOR TURF

ACTIVE INGREDIENTS:

Carfentrazone-ethyl	0.62%
2,4-D, 2-ethylhexyl ester	28.57%
Mecoprop-p acid	5.88%
Dicamba acid	1.71%
INERT INGREDIENTS:	63.22%
TOTAL	100.00%

THIS PRODUCT CONTAINS:

0.05 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 0.62%.
1.53 lbs. 2,4-dichlorophenoxyacetic acid equivalent per gallon or 18.95%.
0.48 lb. (+)-R-2-(2-methyl-4-chlorophenoxy)propionic acid equivalent per gallon or 5.88%.
0.14 lb. 3,6-dichloro-o-anisic acid equivalent per gallon or 1.71%.
Contains petroleum distillates, xylene or xylene range aromatic solvent.
Isomer Specific by AOAC Methods.

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.)

See below for First Aid and additional Precautionary Statement.

STOP! 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:

Some materials that are chemical resistant to this product are listed below. If you want more options, follow the instructions for category E on a EPA chemical resistance category selection chart.

NON-WPS USES:

Applicators and other handlers who handle this pesticide for any use NOT covered by the Worker Protection Standard (40 CFR Part 170) – in general, only agricultural-plant uses are covered by the WPS – must wear the following:

- When mixing, loading or applying this product, wear long-sleeved shirt, long pants, socks, shoes, and chemical-resistant gloves.

Personal Hygiene Statement For Non-WPS Uses: After using this product, rinse gloves before removing, remove clothing and launder separately before reuse, and promptly and thoroughly wash hands and exposed skin with soap and water. Remove saturated clothing as soon as possible and shower.

Engineering Control Statements For Non-WPS Uses:

Containers over 1 gallon and less than 5 gallons: Persons engaged in open pouring of this product must also wear coveralls or a chemical resistant apron.

Containers of 5 gallons or more: Do not open-pour from this container. A mechanical system (such as probe and pump or spigot) must be used for transferring the contents of this container. If the contents of a non-refillable pesticide container are emptied, the probe must be rinsed before removal.

WPS USES:

Applicators and other handlers who handle this pesticide for any uses covered by the Worker Protection Standard (40 CFR Part 170) – in general agricultural-plant uses are covered – must wear the following:

- long-sleeved shirt and long pants.
- chemical resistant gloves such as barrier laminate, nitrile rubber, neoprene rubber or Viton gloves.
- shoes plus socks.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry. After each day of use, clothing or PPE must not be reused until it has been cleaned.

Engineering Control Statements For WPS Uses:

Containers over 1 gallon and less than 5 gallons: Mixers and loaders who do not use a mechanical system (probe and pump) to transfer the contents of this container must wear coveralls or a chemical-resistant apron in addition to the other required PPE.

Containers of 5 or more gallons: Do not open-pour product from this container. A mechanical system (such as a probe and pump or spigot) must be used for transferring the contents of this container. If the contents of a non-refillable pesticide container are emptied, the probe must be rinsed before removal. If the mechanical system is used in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4)], the handler PPE requirements may be reduced or modified as specified in the WPS.

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.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- 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

If swallowed:	• Call a poison control center or doctor immediately for treatment advice. • Do not induce vomiting unless told to by a poison control center or doctor. • Do not give any liquid to the person. • Do not give anything by mouth to an unconscious person.
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. • Call a poison control center or doctor for treatment advice.
If on skin:	• 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 inhaled:	• Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. • Call a poison control center or doctor for treatment advice.

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

NOTE TO PHYSICIAN: Contains petroleum distillates – vomiting may cause aspiration pneumonia.

LESCO DIMENSION™ 0.27G Turf and Ornamental Herbicide

or season-long control or suppression of listed annual grasses and broadleaf weeds in ornamental landscape
eas, established lawns and ornamental turf (including golf course fairways, roughs and tee boxes) and container
d field-grown nursery ornamentals.
Not for use on turf being grown for sale or other commercial use as sod, or for commercial
ed production, or for research purposes.
For use on plants intended for aesthetic purposes or climatic modification and being grown in
terior plantscapes, ornamental gardens or parks, or on golf courses or lawns and grounds.
the state of New York, this product may be applied only by commercial applicators at no more than 185 lb
.5 lb active ingredient) per acre (4.25 lb per 1000 sq ft) per year. Use of this product in Nassau and Suffolk
ounties of New York is prohibited.

ctive Ingredient:
thiopyr: 3,5-pyridinedicarbothioicacid, 2- (difluoromethyl)-4-(2-methylpropyl)-6-(trifluoromethyl)-S,S-dimethyl
ster.....0.27%
ther Ingredients.....99.73%
tal.....100.00%
his product contains 0.135 pounds of the active ingredient, dithiopyr, per 50 pound bag.

KEEP OUT OF REACH OF CHILDREN
CAUTION

See back or containerside panel for additional Precautionary Statements

olics: Read the entire label. Use only according to label directions. **Before using this product, read Warranty** **Disclaimer, Inherent Risks of Use, and Limitation of Remedies at end of label booklet. If terms are unac-** **ceptable, return at once unopened.**

case of emergency endangering health or the environment involving this product, call 1-800-992-5994.
gricultural Chemical: Do not ship or store with food, feeds, drugs, or clothing.

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

AUTION: Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and ater after handling and before eating, drinking, chewing gum, using tobacco or using the toilet

FIRST AID	
If in eyes	• Hold eye open and rinse slowly and gently with water for 15 to 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.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-992-5994 day or night. for emergency medical treatment information.

ENVIRONMENTAL HAZARDS

is product is toxic to fish. Drift and runoff may adversely affect aquatic organisms. Do not apply directly to water, or to eas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water hen disposing of equipmentwashwaters

Directions For Use

is a violation of federal law to use this product in a manner inconsistent with its labeling.
ead all directions carefully before applying this product.

Use Directions for Turf

ESCO Dimension® 0.27G Turf and Ornamental Herbicide provides season-long control of crabgrass and control or sup- ession of other listedannual grasses and broadleaf weeds in established lawns and ornamental turfs, (including golf urse fairways, roughs, and tee boxes), and container and field-grown nursery ornamentals. When used according to label rections, this product will not harm nearby established ornamentals identified as "Tolerant Ornamentals" elsewhere in this bel.

se Precautions for Turf

Do not use this product on golf greens.
Do not apply this product to Colonial bentgrass.
For bestresults, cultural practices that disturb the soil, such as core, spike, hydro-aeration, or verticutting, and topdress- g should be done before application of this product. This product should not be applied until turfgrasses have recovered om stresses related to these or other mechanical operations. Irrigation or rainfall within 7 days after application will im- ove the performance of this product.
Reseeding or Sprigging: Reseeding, overseeding, or sprigging of turfgrasses into areas that have been previously treated th this product should be delayed until 12 weeks from the time of application. If overseeding with perennial ryegrass, delay reseeding at least 8 weeks after application. When reseeding or overseeding, proper cultural practices such as soil culti- tion, irrigation and fertilization should be followed. For best results, use mechanical or power seeding equipment (slit eeders) designed to give good seed-to-soil contact.
This product may be used on seeded, sodded, or sprigged turfgrass that is well established. Allow the turf to develop a ood root system and uniform stand before application. Use of this product on turfgrass not well established, weakened by ck of moisture, chemical injury, insects, disease, or temperature extremes that cause stress will increase the potential for jury. Allow turfgrass weakened by these stresses to recover before application of this product.
This product may be applied as a single application or as a split application in the spring, summer or fall.
This product will prevent germination of annual bluegrass.
This product will not affect established annual bluegrass. If maintenance of annual bluegrass is desired, do not use this roduct during time of annual bluegrass germination. For AZ, CA, NV, OR, WA, NM, ID, MT and UT, this product may con- bute to thinning or stand reduction in established stands of annual bluegrass.
Do not use clippings from treated turf formulching around vegetables or fruit trees.
Do not allow domestic animals to feed or forage on the treated turf or clippings from treated turf.

When applied as directed under the conditions described, the following established turfgrasses are tolerant to this product:

Cool-Season Grasses

bentgrass, creeping †	*Agrostis stolonifera*
bluegrass, Kentucky	*Poa pratensis*
fescue, fine ††	*Festuca rubra*
fescue, tall	*Festuca arundinacea*
ryegrass, perennial	*Lolium perenne*

Warm-Season Grasses

bahiagrass	*Paspalum notatum*
bermudagrass	*Cynodon dactylon*
buffalograss	*Buchloe dactyloides*
carpetgrass	*Axonopus affinis*
centipedegrass	*Eremochloa ophiuroides*
kikuyugrass	*Pennisetum clandestinum*
seashore paspalum	*Paspalum vaginatum*
St. Augustinegrass	*Stenotaphrum secundatum*
zoysiagrass	*Zoysia japonica*

† Do not apply this product to Colonial bentgrass. Use of this product on certain varieties of creeping bentgrass, such as 'Carmen', 'Cohansey', or 'Seaside' will result in undesirable turf injury. Not all varieties of creeping bentgrass have been tested.

†† The following fine fescue varieties have been found to be sensitive to this product: 'Atlanta', 'Banner', 'Beauty', 'Bilgent', 'CF-2', 'Enjoy', 'HF-93', 'Highlight', 'Ivalo', 'Jamestown', 'Koket', 'Majenta', 'Mary', 'Pennlawn', 'Tamara', 'Tatjana', 'Waldorf', and 'Waldina'.

Application Equipment and Instructions

Apply this product with drop or rotary-type spreaders designed to apply granular herbicides. Calibrate application equipment prior to usage, and apply this product uniformly over the turfgrass area. A more uniform application can be made by spreading half of the required amount over the area and then applying the remaining half at a right angle to the previous direction of application. Avoid the use of spreaders that apply granular materials in narrow rows or concentrated bands. Avoid streaking, skips, or overlaps during application. Check equipment frequently to ensure equipment is functioning properly and applying uniform distribution of granules.

Preemergence Control of Annual Grasses and Annual Broadleaf Weeds

Used as directed, this product will control or suppress the following annual grass and broadleaf weeds when applied prior to their emergence. This product will not control established weeds, except for crabgrass in early stages of development, but only if application is made to crabgrass prior to the 3-leaf stage of growth or first tiller. Use the higher recommended use rates where weed infestations are dense and/or applications are made early and longer residual control is desirable.

Weeds Controlled and Use Rate Recommendations

Weeds Controlled		Suggested Use Rate Per Application	
		Pounds/Acre	Pounds/1000 sq ft
barley brome crabgrass, large crabgrass, smooth crabgrass, southern dallisgrass (seedling) foxtail, giant foxtail, green foxtail, yellow		100 to 150 ††	2.3 to 3.4 †
barnyardgrass chickweed clover, hop crabgrass, tropical crowfootgrass dichondra, Carolina lespedeza, common kikuyugrass Mary's grass marestail† medic, black mulberry weed mustard oats, wild oxalis, buttercup oxalis (creeping woodsorrel) oxalis (yellow woodsorrel) pineappleweed ryegrass, annual ryegrass, perennial sandbur smutgrass speedwell, corn spurge, garden spurge, prostrate spurge, spotted		150 to 185 ††	3.4 to 4.25 †
bluegrass, annual bittercress carpetweed chickweed geranium, Carolina goosegrass	henbit knotweed, prostrate parsley-piert pigweed, redroot purslane, common rocket, London sheperd's-purse	185 ††	4.25 ††

† Higher use rates are recommended where weed infestations are heavy and/or dense.
†† Use of this product at this rate will provide only partial control and/or suppression of listed weeds.

Poa Annua (annual bluegrass) Control

Apply LESCO Dimension® 0.27G Turf and Ornamental Herbicide for preemergence control of Poa annua (annual bluegrass) at a rate of 0.38to 0.5 lbs active ingredient per acre. This is equivalent to 150 to 185 pounds per acre. Use the higher recommended use rates where weed infestations are dense and/or applications are made early and longer residual control is desirable.

- Apply 6 to 8 weeks before overseeding bermudagrass with perennial ryegrass. Specific to perennial ryegrass; not for use on Poa trivialis or bentgrass.
- Minimum seeding rate of perennial ryegrass is 400 lbs per acre.
- Use limited to fairways and roughs
- Perennial varieties of Poa annua (var. reptens) may not be controlled as well as the true annual.
- Do not apply earlier than 16 weeks afterover-seeding unless injury to the ryegrass can be tolerated.
- A follow-up treatment 16 weeks after overseeding offers an early season crabgrass treatment and helps suppress some winter annual broadleaf weeds.

Restrictions:

- Do not apply more than 185 pounds of this product per acre per application and no more than 3 applications per year (555 pounds) of this product per acre per year.
- In New York State, this product may only be used by Commercial Applicators at no more than 185 pounds per acre (4.25 lb/1000 sq ft), (0.5 lb active ingredient per acre) per year, and is prohibited from use in Nassau and Suffolk Counties.

Ornamentals (Landscape, Field Grown, and Container Grown)

LESCO Dimension® 0.27G Turf and Ornamental Herbicide provides preemergence control of listed annual grass and broadleaf weeds in ornamental plantings. Ornamental plants on this label have shown tolerance to this product when applied as directed. It is impossible, however, to evaluate tolerance for all ornamental plant species or varieties orunderall possible growing conditions. Under your growing conditions, alimited area involving only a few plants should be treated for tolerance evaluation prior to large-scale applications.

Use Rates Refer to the following table for treatment dosage for treating small areas.

Pounds Product/Acre	Ounces Product/1000 Square Feet	Ounces (Grams) Product/100 Square Feet
185	68	6.8 (193 grams)

Application Timing and Use Recommendations

This product is a preemergence herbicide that will not control established weeds. Make applications prior to weed seed germination or to bare ground. The best weed control is obtained when applied to soil that is free of clods, weeds and debris such as leaves. Prior to making an application, control existing vegetation by hand weeding, cultivation or with a postemergence herbicide. To be effective, LESCO Dimension® 0.27G Turf and Ornamental Herbicidemust be activated by 1/2 inch or more of rainfall or irrigation prior to germination of target weeds. Once the treatment is activated, avoid excessive soil disruption that may break down the herbicide barrier. Minimal surface disruption such as raking should not break down the herbicide barrier.

Weeds Controlled

Used as directed, this product will control or suppress the following annual grass and broadleaf weeds when applied prior to their emergence. This product will not control established weeds, except for crabgrass in early stages of development, but only if application is made to crabgrass prior to the 3-leaf stage of growth or first tiller. Therefore, the area to be treated should be free of weeds prior to application. Repeat applications may be made during the growing season at 3 to 4 month intervals to maintain weed control.

Weeds controlled or suppressed by LESCO Dimension 0.27G when applied at 185 pounds per acre:

Annual Grasses	
Common Name	**Scientific Name**
barley	*Hordeum spp.*
barnyardgrass	*Echinochloa crus-galli*
bluegrass, annual	*Poa annua*
brome	*Bromus spp.*
crabgrass, large	*Digitaria sanguinalis*
crabgrass, smooth	*Digitaria ischaemum*
crabgrass, southern	*Digitaria ciliaris*
crowfootgrass	*Dactyloctenium aegyptium*
dallisgrass (seedling)	*Paspalum dilatatum*
foxtail, giant	*Setaria faberi*
foxtail, green	*Setaria verdi*
foxtail, yellow	*Pennisetum glaucum*
goosegrass	*Eleusine indica*
kikuyugrass	*Pennisetum clandestinum*
oats, wild	*Avena fatua*
ryegrass (annual & perennial)	*Lolium spp.*
sandbur	*Cenchrus spp.*
smutgrass	*Sporobolus indicus*
Broadleaf Weeds	
Common Name	**Scientific Name**
bittercress	*Cardamine spp.*
carpetweed	*Mollugo verticillata*
chickweed	*Stellaria spp.*
geranium, Carolina	*Geranium carolinianum*
henbit	*Lamium spp.*
knotweed, prostrate	*Polygonum aviculare*
lespedeza, common	*Lespedeza striata*
marestail	*Hippuris vulgaris*
medic, black	*Medicago lupulina*
mulberry weed	*Fatoua villosa*
mustard	*Brassica spp.*
oxalis, buttercup	*Oxalis pes-caprae*
parsley-piert	*Alchemilla arvensis*
pigweed, redroot	*Amaranthus retroflexus*
pineappleweed	*Matricaria matricariodes*
purslane, common	*Portulaca oleracea*
rocket, London	*Sisymbrium irio*
shepherdspurse	*Capsella bursa-pastoris*
speedwell, corn	*Veronica arvensis*
spurge, garden	*Euphorbia hirta*
spurge, prostrate	*Euphorbia humistrata*
spurge, spotted	*Euphorbia maculata*
woodsorrel, creeping	*Oxalis corniculata*
woodsorrel, yellow	*Oxalis stricta*

Application Equipment and Instructions

Apply this product with drop or rotary-type spreaders designed to apply granular herbicides. Avoid the use of spreaders that would apply this product in narrow rows or concentrated bands. Before each application, calibrate the spreader according to the equipment manufacturer's directions for adjusting the spreader settings such that the spreader delivers the appropriate application rate recommended above. Apply this product uniformly over the area to be treated. A more uniform application can be made by spreading half of the required amount over the area and then applying the remaining half at a right angle to the previous direction of application. Avoid streaking, skips, or overlaps during application.

Check equipment frequently to ensure equipment is functioning properly and applying uniform distribution of granules. Shortly after application apply overhead irrigation to activate the herbicide and wash LESCO Dimension® 0.27G Turf and Ornamental Herbicide from plant surface onto soil surface.

Use Precautions for Ornamental Plantings:

- Only apply this product to established ornamentals as directed in the Tolerant Ornamental table below.
- Do not incorporate this product into soil. Dilution of active ingredient and possible injury to plant roots may occur.
- Do not apply around ornamental plants that have been weakened or are under stress (due to drought, flooding, excessive fertilizer or soil salts, windinjury, hail, frostdamage, winter injury, injury from previously applied pesticide or injury due to insects, nematodes or diseases).
- Do not make applications when weather conditions favor drift to non-target areas. This product may injure foliage of non-targetplants.
- Do not apply this product on grasses grown for seed.
- Do not graze livestock or feed forage cut from areas treated with this product.
- Do not apply this product in enclosed structures andgreenhouses.
- Do not apply another herbicide within 4 weeks of application of this product.
- Do not apply this product to bare roots of ornamental plants as injury may result. Following transplanting, care must be taken that soil or planting mixes have settled firmly through irrigation, rainfall or packing and that there are no cracks that would allow direct contact of this product to the plant roots or plant injury may occur.

Treatment of Ornamental species not listed on this label:

It is impossible to evaluate tolerance to this product on all ornamental species or varieties or under all growing con ditions. Users who wish to use LESCO Dimension® 0.27G Turf and Ornamental Herbicide on species not recommended on this label may determine the suitability for use by treating a small number of plants at a recommended rate under your growing conditions. Treated plants should be observed for any symptoms of herbicidal injury such as foliar damage, reduced vigor or stand reduction during 30 to 60 days of normal growing conditions to determine if the treatment is non-injurious.

Restrictions:

- Do not apply more than 185 pounds of this product per acre per application and no more than 3 applications (555 lb) of this product per acre per year.
- In New York State, this product may only be used by CommercialApplicators at no more than 185 pounds per acre (4.25 ounces/1000 sq ft), (0.5 lb active ingredient per acre) per year; and is prohibited from use in Nassau and Suffolk Counties.

Storage and Disposal

Do not contaminate water, foodstuffs, feed or seed by storage or disposal.
Pesticide Storage: Store this product only in its original container. In case of spill, sweep up material and dispose of materialaccording to label directions.
Pesticide Disposal: Wastes resulting from the use of this product that cannot be used or chemically reprocessed should be disposed of in a landfill approved for pesticide disposal or in accordance with applicable Federal, state or local procedures.
Container Handling: Nonrefillable container. Do not reuse or refill this container. Completely empty bag into application equipment. Then offer for recycling if available, or dispose in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities .

Net Weight: 50 lb (22.7 kg)

EPA REG. NO. 62719-429-10404

EPA EST. NO. 961-PA-01 (L), 961-IL-01 (D), 8378-IN-1 (K), 9404-FL-1 (C), 59144-GA-1 (A), 32802-MO-1 (B), 37351-CO-1 (E), 82757-OH-001 (M), 82757-FL-001 (S), 82757-MA-002 (H), 89135-AZ-001 (A), 69759-OR-002 (MAS) 69759-OR-004 (BAN).

First letter of lot code indicates manufacturing site.

F1560
Distributed by: LESCO, Inc.
1385 East 36th Street
Cleveland, OH 44114-4114

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PP

LESCO DIMENSION™ 0.27G Turf and Ornamental Herbicide

olerant Ornamentals

henapplied as directed under the conditionsdescribed on this label, ornamentals listed below have shown lolerce in field trials.

Name	Tolerant Cultivars	Acceptable Application Method Noted by a (X): Over the Top	Acceptable Application Method Noted by a (X): Directed	Application to Field/Landscape or Container Ornamentals Noted by a (X): Container Grown	Application to Field/Landscape or Container Ornamentals Noted by a (X): Field/ Landscape Grown
abelia, dwarf (*Abelia x grandiflora*)	nana		X		X
abyssinian red banana (*Ensete ventricosum*)	maurell	X	X	X	X
acacia redolens (*Acacia redolens*)		X	X	X	X
Ajuga carpet bugle (*Ajuga reptens*) (*Ajuga genevensis*)	bronze bronze beauty		X X		X X
almond, flowering (*Prunus glandulosa*)			X		X
apple (*Malus pumila*)			X		X
arborvitae (*Thuja occidentalis*)	nigra pyramidalis smaragh techny woodwardii		X X X X X		X X X X X
arborvitae, dwarf golden (*Thuja orientalis*)	aurea nana	X	X	X	X
ash, green (*Fraxinus pennsylvanica*)			X		X
ash, autumn purple (*Fraxinus americana*)	autumn purple		X		X
aster, Chinese (*Callistephus chinensis*)	dwarf queen		X		X
azalea (*Rhododendron spp.*)	brilliant buccaneer carror chimes (Belgian) Elsie Lee exbury fashion hardijzer beauty hershey red higasa hinocimson Holland (hybrid) Marion Lee northern lights orange cup orchidlights snow southern charm		X X X X X X X X X X X X X X X X X X		X X X X X X X X X X X X X X X X X X
azalea, flame (*Rhododendron calendulaceum*)			X		X
azalea, kinsilima (*Rhododendron obtusum*)			X		X
bamboo, heavenly (*Nandina domestica*)	compacta nana		X X		X X
barberry, Japanese (*Berberis thunbergii*)	aurea dwarf pygmy green kobold pygmy red rose glow		X X X X X X		X X X X X X
barberry, purple (*Berberis thunbergii var atropurpurea*)	atropurpurea		X		X
basket flower (*Gaillardia grandiflora*)			X		X
beach grass (*Ammophila breviligulata*)			X		X
bearberry (common) (*Arctostaphylos uva-ursi*)	Massachusetts		X		X
bee balm (*Monarda didyma*)			X		X
begonia (*Begonia spp.*)			X		X
birch, river (*Betula nigra*)			X		X
blackeyed Susan (*Rudbeckia hirta*)	goldstrum		X		X
blanket flower (*Gaillardia spp.*)			X		X
blueberry† (*Vaccinium spp.*)	bluecrop blue jay Jersey north blue northland		X X X X X		X X X X X
bottlebrush (*Callistemon citrinus*)	Little John	X	X	X	X
bougainvillea (*Bougainvillea spectabilis*)	James Walker Scarlet O' Hara	X	X X	X	X X
boxwood (*Buxus microphylla*)	japonica		X		X
boxwood, green beauty (*Buxus microphylla japonica*)	green beauty	X	X	X	X
boxwood, wellerl (*Buxus sempervirens*)	wintergem	X	X	X	X
broom (*Cytisus scoparius*) (*Genista pilosa*)	moonlight Vancouver gold		X X		X X
camellia (*Camellia japonica*) (*Camellia sasanqua*)	elegantissima mathotiana-supreme chansonette setsukgekka	X X	X X X X	X X	X X X X
candytuft (*Iberis sempervirens*)	snow white		X		X
carex, variegated (*Carex spp.*)			X		X
carpet bugle (*Ajuga reptans*) (*Ajugaganevensis*)	bronze bronze beauty		X X		X X
cedar, red (*Juniperus virginiana*)			X		X
celosia (*Celosia spp.*)			X		X
centaurea (*Centaurea montana*)			X		X
cockscomb, plumosa (*Celosia cristata*)	scarlet plumosa		X		X
coleus (*Coleus blumei*)	red flewpie		X		X
columbine (*Aquilegia spp.*)			X		X
coneflower, purple (*Echinacea purpurea*)	magnus purple	X	X X	X	X X
copper leaf (*Acalypha wilkesiana*)			X		X
coreopsis (*Coreopsis spp.*)	moonbeam		X		X
corn flower (*Centaurea spp.*)			X		X
corn flower (*Centaurea spp.*)			X		X
cotoneaster (*Cotoneaster apiculatus*)			X		X
cottonbroom (*Baccharis pilularis*)			X		X
cypress, bald (*Taxodium distichum*)			X		X
cypress, Hinoki false (*Chamaecyparis obtusa*)	gracilis		X		X
cypress, Italian (*Cupressus sempervirens*)	glauca		X		X
cypress, weeping (*Cupressocyparis leylandii*) hybrid			X		X
dianthus (sweet William) (*Dianthus spp.*)			X		X
delphinium (*Delphinium spp.*)	magic fountain		X		X
dogwood (*Cornus florida*)			X		X
dogwood, American (*Cornus sericea*)	flaviramea		X		X
Douglas fir (*Pseudotsuga menziesii*)			X		X
dusty miller (*Senecio cineraria*)		X	X	X	X
elm (*Ulmus parvifolia*)	drake		X		X
eulaliagrass (*Miscanthus sinensis*)	maiden grass	X	X	X	X
euonymus (*Euonymus japonicus*) (*Euonymus fortunei*)	Argenteo-variegate Aureomarginata colorata emerald gaiety emerald n' gold gold edge gold princess Manhattan silver king tricolor vegatus	X	X X X X X X X X	X	X X X X X X X X X X X
euryops, green leaved (*Euryopspectinatus*)	viridis	X	X	X	X
fan palm, European (*Chamaerops humilis*)			X		X
fan palm, Mexican (*Washingtonia robusta*)			X		X
fern (various) (*Asparagus spp.*)			X		X
fescue (*Festuca glauca*)			X		X
fetterbush (*Leucothoe fontanesiana*)	rainbow		X		X
ficus (*Ficus retusa*)	nitida		X		X
fir fraser (*Abies fraseri*)			X		X
forsythia (*Forsythia x 'Arnold Dwarf'*) (*Forsythia viridissima*) (*Forsythia intermedia*) (*Forsythia x 'Meadowlark'*) (*Forsythia x intermedia*) (*Forsythia suspensa*)	arnold dwarf bronxensis dwarf lynwood gold meadowlark spring glory weeping	X	X X X X X	X	X X X X X
fountain grass, purple (*Pennisetum setaceum*)	rubrum	X	X	X	X
fuchsia (*Fuchsia spp.*)			X		X
gallium (*Galium ordoratum*)			X		X
gardenia (*Gardenia jasminoides*)	mystery radicans white gem	X	X X X	X	X X X
geranium (*Pelargonium x hortorum*)			X		X
gum (*Eucalyptus citriodora*)			X		X
hawthorn (*Crataegus spp.*)	cockspur white crimson cloud enchantress Jack Evans Washington-white		X X X X X		X X X X X
hawthorn, indian (*Rhaphiolepsis indica*)	ballerina	X	X	X	X
heather, twisted (*Erica cinerea*)	Mediterranean pink		X		X
hemlock, Canada (*Tsuga canadensis*)			X		X
hibiscus (*Hibiscus spp.*)	blue bird brilliant hula girl		X X X		X X X
holly (*Ilex x 'Nellie R. Stevens'*) (*Ilex x attenuata*)	Nellie R. Stevens foster Savannah	X	X X X	X	X X X
holly, blue (*Ilex x meserveae*)	blue boy blue girl China girl		X X X		X X X
holly, cassine (*Ilex cassine*)		X	X	X	X
holly, Chinese (*Ilex cornuta*)	burfordii needlepoint		X X		X X
holly, Japanese (*Ilex crenata*)	compacta hallerie Japanese - northambeauty steeds	X	X X X X	X	X X X X
holly, yaupon (*Ilex vomitoria*)			X		X
honeysuckle (*Lonicera xylosteum*) (*Lonicera japonica*) (*Lonicera tatarica*)	Clayey dwarf halliana Canadian white Zabelli		X X X X		X X X X
ice plant (*Carpobrotus edulis*)		X	X	X	X

Net Weight: 50 lb (22.7 kg)

EPA REG. NO. 62719-429-10404

EPA EST. NO. 961-PA-01 (L), 961-IL-01 (D), 8378-IN-1 (K), 9404-FL-1 (C), 59144-GA-1 (A), 32802 MO-1 (B), 37351-CO-1 (E), 62757-OH-001 (M), 62757-FL-001 (S), 62757-MA-002 (H), 89135-AZ-001 (A), 69759-OR-002 (MAS) 69759-OR-004 (BAN).

First letter of lot code indicates manufacturing site.

F1560
Distributed by: **LESCO, Inc.**
1385 East 36th Street
Cleveland, OH 44114-4114

702265-PG2
PP

LESCO DIMENSION™ 0.27G Turf and Ornamental Herbicide

Tolerant Ornamentals

When applied as directed under the conditions described on this label, ornamentals listed below have shown tolerance in field trials.

		Acceptable Application Method Noted by a (X)		Application to Field/Landscape or Container Grown Ornamentals Noted by a (X)	
Name	**Tolerant Cultivars**	**Over the Top**	**Directed**	**Container Grown**	**Field/ Landscape Grown**
ice plant, rosea (*Drosanthemum floribundum*)		X	X	X	X
ice plant, white trailing (*Delosperma alba*)		X	X	X	X
impatiens (*Impatiens spp.*)			X		X
iris (Iris spp)	dwarf blue		X		X
	wedgewood		X		X
ivy, English (*Hedera helix*)	Bulgaria		X		X
	thorndale		X		X
jasmine, Asian (*Trachelospermum asiaticum*)			X		X
jasmine, star (*Trachelospermum jasminoides*)			X		X
juniper (*Juniperus spp.*)	Arcadia		X		X
	Armstrong		X		X
	bar harbor		X		X
	blue chip		X		X
	blue Pacific		X		X
	blue rug		X		X
	blue star		X		X
	broadmoor		X		X
	buffalo		X		X
	calgary carpet		X		X
	emerald sea		X		X
	emerald spreader		X		X
	endora compacta		X		X
	fruitlandi		X		X
	green		X		X
	gold tip		X		X
	hetzi		X		X
	hughes		X		X
	Manhattan blue		X		X
	parsoni		X		X
	pfitzeriana		X		X
	plumosa		X		X
	Prince of Wales		X		X
	procumbens dwarf		X		X
	San Jose		X		X
	sargent blue		X		X
	sargent green		X		X
	scandia		X		X
	scopulorum moonglow		X		X
	spartan		X		X
	tamariscifolia		X		X
	weberi		X		X
	Youngstown		X		X
	Yukon belle		X		X
juniper (*Juniperus chinensis*)	gold coast	X	X	X	X
	torulosa – Hollywood twisted	X	X	X	X
juniper *Juniperus procumbens nana*)	prostrate Japanese garden	X	X	X	X
juniper (*Juniperus sabina 'tamariscifolia'*)	tamarix	X	X	X	X
juniper (*Juniperus scopulorum*)	scopulorum skyrocket	X	X	X	X
king palm (*Archontophoenix cunninghamiana*)		X	X	X	X
laurel, Carolina cherry *Prunus caroliniana*)	bright n' tight	X	X	X	X
laurel, mountain (*Kalmia latifolia*)			X		X
leucothoe *Leucothoe fontanesiana*)			X		X
ligustrum, Japanese (*Ligustrum japonicum*)			X		X
maple, amur (*Acer ginnala*)	emerald elf	X	X	X	X
maple, Japanese (*Acer palmatum*)			X		X
maple, Norway (*Acer platanoides*)			X		X
maple, red† (*Acer rubrum*)	red sunset	X	X	X	X
maple, silver (*Acer saccharinum*)			X		X
maple sugar† (*Acer saccharum*)			X		X
marigold (*Tagetes patula*)	honeycomb		X		X
	variegata		X		X
	wheeler's dwarf		X		X
mock orange† (*Philedelphus spp*)	golden		X		X
	snowflake double white		X		X
mondo grass (*Ophiopogon japonicus*)			X		X
moss rose (Portulaca grandiflora)	sunny side		X		X
mountainash (*Sorbus aucuparia*)			X		X
myrtle, crape (*Lagerstroemia indica*)	laurel		X		X
	langer		X		X
	muskogee		X		X
	standard pink		X		X
myrtle, wax (*Myrica californica*)			X		X
narcissus (*Narcissus spp.*)			X		X
oak, laurel (*Quercus laurifolia*)			X		X
oak, pin (*Quercus palustris*)			X		X
oak, red (*Quercus rubra*)			X		X
oak, southern (*Quercus virginiana*)			X		X
oak, willow (*Quercus phellos*)			X		X
oleander (*Nerium oleander*)	hardy red		X		X
	petite pink		X		X
	sister agnes		X		X
osteospermum (*Osteospermum fruticosum*)	whirligig		X		X
pachysandra (*Pachysandra terminalis*)			X		X
palm, king (*Archontophoenix cunninghamiana*)			X		X
palm, queen (*Syagrus romanzoffianum*)		X	X	X	X
pampas grass (*Cortaderia selloana*)			X		X
pansy (*Viola x wittrockiana*)			X		X
paper flower (*Bougainvillea glabra*)	Barbara Karst	X	X	X	X
peach† (*Prunus persica*)			X		X
periwinkle, dwarf (*Vinca minor*)			X		X
petunia (*Petunia x hybrida*)	picoti		X		X
photinia, red tip (*Photinia x fraseri*)			X		X
pieris (*Pieris taiwanensis*)			X		X
pieris, Japanese (*Pieris japonica*)	mountain fire		X		X
pine, Afghan (*Pinus eldarica*)		X	X	X	X
pine, Austrian black (*Pinus nigra*)		X	X	X	X
pine, Japanese black (*Pinus thunbergiia*)			X		X
pine, loblolly (*Pinus taeda*)			X		X
pine, longleaf (*Pinus palustris*)			X		X
pine, mugo or Swiss Mt. (*Pinus mugo*)			X		X
pine, Scotch (*Pinus sylvestris*)			X		X
pine, slash (*Pinus elliottii*)			X		X
pine, Virginia (*Pinus virginiana*)			X		X
pine, white (*Pinus strobus*)		X	X	X	X
pineapple, guava† (*Feijoa sellowiana*)			X		X
pittosporum, tobira (*Pittosporum tobira*)	Wheeler's dwarf	X	X	X	X
plumbago, cape (*Plumbago auriculata*)	royal cape	X	X	X	X
potentilla (*Potentilla fruticosa*)) (*Potentilla nepalensis*)	abbotswood		X X		X X
privet (*Ligustrum x vicaryii*) (*Ligustrum japonicum*)	golden vicary regal texanum yellow tipped	X	X X X X	X	X X X X
privet, glossy (*Ligustrum lucidum*)			X		X
Pyracantha or firethorn (*Pyricantha x 'Gnome'*) (*Pyricantha coccinea*) (*Pyracantha koidzumii*)	gnome lalandei victory	X	X X X	X	X X X
queen palm (*Arecastrum rammanzoffianum*)			X		X
quince, Japanese† (*Chaenomeles japonica*)			X		X
Rhododendron (*Rhododendron spp*)	album		X		X
	Cunningham-white		X		X
	PJM		X		X
	purple gem		X		X
	silvery pink		X		X
rhododendron, Carolina (*Rhododendron carolinianum*)			X		X
rhododendron, catawba (*Rhododendron catawbiense*)			X		X
rhododendron, rhodie max – rosebay (*Rhododendron maximum*)			X		X
ribbon grass (*Phalaris arundinacea*)			X		X
rockcress (*Arabis caucalsca*)	snowcap		X		X
rose† (*Rosa banksiae*)	lutea		X		X
rose, knockout shrub (*Rosa spp. hybrid*)	knockout	X	X	X	X
rosemary† (*Rosmarinus officinalis*)			X		X
rosemary, bog (*Andromeda polifolia*)	nana		X		X
salvia (*Salvia farinacea*)	rhea		X		X
sedum (*Sedum spurium*)	dragon blood		X		X
	red		X		X
	red carpet		X		X
	yellow				
smoketree, royal purple (*Cotinus coggygria*)	royal purple		X		X
snapdragon (*Antirrhinum spp.*)			X		X
snowball, common (*Viburnum opulus*)	sterile	X	X	X	X
sourwood (*Oxydendrum arboreum*)			X		X
spiraea (*Astilbe X arendsii*)	fanal		X		X
spiraea (*Spiraea spp.*)	Anthony Waterer red		X		X
	dolchica		X		X
	froebell pink		X		X
	goldenflame red		X		X
	snowmound white		X		X
	Van Houtte white		X		X
spiraea, garland (*Spiraea x arguta*))			X		X
spruce, Black Hills (*Picea glauca var densata*)			X		X
spruce, Colorado blue (*Picea pungens*)	glauca	X	X	X	X
spruce, Norway (*Picea abies*)			X		X
spruce, white (Picea glauca)	conica		X		X
sweetflag grass (*Acorus calimus*)			X		X
sweetgum (*Liquidambar styraciflua*)			X		X

Net Weight: 50 lb (22.7 kg)

EPA REG. NO. 62719-429-10404

EPA EST. NO. 961-PA-01 (L), 961-IL-01 (D), 8378-IN-1 (K), 9404-FL-1 (C), 59144-GA-1 (A), 32802 MO-1 (B), 37351-CO-1 (E), 82757-OH-001 (M), 82757-FL-001 (S), 82757-MA-002 (H), 89135-AZ-001 (A), 69759-OR-002 (MAS) 69759-OR-004 (BAN).

First letter of lot code indicates manufacturing site.

F1560
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1385 East 36th Street
Cleveland, OH 44114-4114

702265-PG3
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LESCO DIMENSION™ 0.27G Turf and Ornamental Herbicide

olerant Ornamentals

hen applied as directed under the conditions described on this label, ornamentals listed below have shown toler-nce in field trials.

		Acceptable Application Method Noted by a (X)		Application to Field/Landscape or Container Grown Ornamentals Noted by a (X)	
Name	Tolerant Cultivars	Over the Top	Directed	Container Grown	Field/ Landscape Grown
ycamore, American (*Platanus occidentalis*)			X		X
tea tree, New Zealand *Leptospermum scoparium*)	ruby glow	X	X	X	X
Tree fern (tiki fern) *Asparagus virgatus*)			X		X
trumpet flower or Carolina Jessamine (*Gelsemium sempervirens*)			X		X
tufted hairgrass (*Deschampsia caespitosa*)			X		X
verbena, shrub *Lantana sellowiana*)			X		X
Verbena, St. Paul's (*Verbena peruviana.*)	St. Paul		X		X
viburnum (*Viburnum spp.*)	American cranberry bush		X		X
	arrowood				
	European cranberry		X		X
	bush		X		X
	linden				
	Mohican				
	wright		X		X
			X		X
			X		X
vinca (periwinkle) (*Vinca minor*)			X		X
windmill palm (*Trachycarpus fortunei*)			X		X
xylosma (*Xylosma congestum*)			X		X
yarrow (*Achillea spp.*)			X		X
yaupon (*Ilex vomitoria*)	dwarf		X		X
yew (*Taxus cuspidata*) (*Taxus x media*)	capitata	X	X	X	X
	densiformis		X		X

Ornamental species only. Do not apply this product directly to plants that are grown for ood.

Terms and Conditions of Use

If terms of the following Warranty Disclaimer, Inherent Risks of Use, and Limitation of Remedies are not acceptable, return unopened package at once to the Seller for a full refund of purchase price paid. To the extent permitted by law, otherwise, use by the buyer or any other user constitutes acceptance of the terms under Warranty Disclaimer, Inherent Risks of Use, and Limitations of Remedies.

Warranty Disclaimer

Seller warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in strict accordance with the directions, subject to the inherent risks set forth below. To the extent permitted by law, SELLER MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

Inherent Risks of Use

It is impossible to eliminate all risks associated with use of this product. Plant injury, lack of performance, or other unintended consequences may result because of such factors as use of the product contrary to label instructions (including conditions noted on the label, such as unfavorable temperature, soil conditions, etc.), abnormal conditions (such as excessive rainfall, drought, tornadoes, hurricanes), presence of other materials, the manner of application, or other factors, all of which are beyond the control of the Seller. To the extent permitted by law, all such risks shall be assumed by buyer.

Limitation of Remedies

To the extent permitted by law, the exclusive remedy for losses or damages resulting from this product (including claims based on contract, negligence, strict liability, or other legal theories), shall be limited to, at Seller's election, one of the following:

1. Refund of purchase price paid by buyer or user for product bought, or
2. Replacement of amount of product used

To the extent permitted by law, seller shall not be liable for losses or damages resulting from handling or use of this product unless Seller is promptly notified of such loss or damage in writing. To the extent permitted by law, in no case shall Seller be liable for consequential or incidental damages or losses.

The terms of the Warranty Disclaimer, Inherent Risks of Use, and this Limitation of Remedies cannot be varied by any written or verbal statements or agreements. No employee or sales agent of the Seller or the seller is authorized to vary or exceed the terms of the Warranty Disclaimer or this Limitation of Remedies in any manner.

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DIMENSION is a registered trademark of Dow AgroSciences LLC. SCOTTS is a registered trademark of The SCOTT Company. Cyclone and Spyker are registered trademarks of Spyker Spreaders, LLC.
N:\Regulatory\WP\Regul Private\Mstr\Lbl_ERIEVIEW ADDRESS\Landscape Style Master Lbls

(080316) Rev. 2/1/19 VT

Net Weight: 50 lb (22.7 kg)

EPA REG. NO. 62719-429-10404

EPA EST. NO. 961-PA-01 (L), 961-IL-01 (D), 8378-IN-1 (K), 9404-FL-1 (C), 59144-GA-1 (A), 32802-MO-1 (B), 37351-CO-1 (E), 62757-OH-001 (M), 62757-FL-001 (S), 62757-MA-002 (H), 69135-AZ-001 (A), 69759-OR-002 (MAS) 69759-OR-004 (BAN).

First letter of lot code indicates manufacturing site.

F1560
Distributed by: **LESCO, Inc.**
1385 East 36th Street
Cleveland, OH 44114-4114

702265-PG4
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LESCO DIMENSION™ 0.27G Turf and Ornamental Herbicide

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Revision Date: 11/06/2015 Date of issue: 11/25/2013 Version: 1.0

SECTION 1: IDENTIFICATION

1.1. Product Identifier

Product Form: Mixture

Product Name: LESCO DIMENSION™ 0.27G Turf and Ornamental Herbicide

Product Code: EPA Registration No.: 62719-429-10404

Synonyms: Dimension; Granular Herbicide

1.2. Intended Use of the Product

Use of the substance/mixture: Weed killer for lawns

1.3. Name, Address, and Telephone of the Responsible Party

Company

LESCO, Inc.
1385 East 36th St
Cleveland, OH 44114
T 800-347-4272

1.4. Emergency Telephone Number

Emergency Number : 1-800-424-9300
For Chemical Emergency, Spill, Leak, Fire, Exposure, or Accident, call CHEMTREC – Day or Night

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the Substance or Mixture

Classification (GHS-US)

Acute Tox. 4 (Oral)	H302
Skin Irrit. 2	H315
Eye Irrit. 2A	H319
Skin Sens. 1	H317
STOT SE 3	H335
Aquatic Acute 2	H401
Aquatic Chronic 3	H412

2.2. Label Elements

GHS-US Labeling

Hazard Pictograms (GHS-US) :

GHS07

Signal Word (GHS-US) : Warning

Hazard Statements (GHS-US) : H302 - Harmful if swallowed
H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H319 - Causes serious eye irritation
H335 - May cause respiratory irritation
H401 - Toxic to aquatic life
H412 - Harmful to aquatic life with long lasting effects

Precautionary Statements (GHS-US) : P261 - Avoid breathing dust/fume/gas/mist/vapors/spray
P264 - Wash exposed areas thoroughly after handling
P270 - Do not eat, drink or smoke when using this product
P271 - Use only outdoors or in a well-ventilated area

P272 - Contaminated work clothing should not be allowed out of the workplace
P273 - Avoid release to the environment
P280 - Wear protective gloves/protective clothing/eye protection/face protection
P301+P312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
P302+P352 - IF ON SKIN: Wash with plenty of soap and water
P304+P340 - IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing
P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P312 - Call a POISON CENTER/doctor/physician if you feel unwell
P321 - Specific treatment (see...)
P330 - If swallowed, rinse mouth
P332+P313 - If skin irritation occurs: Get medical advice/attention
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention
P337+P313 - If eye irritation persists: Get medical advice/attention
P362 - Take off contaminated clothing and wash before reuse
P362+P364 - Take off contaminated clothing and wash it before reuse
P403+P233 – Store in a well-ventilated place. Keep container tightly closed
P405 - Store locked up
P501 - Dispose of contents/container according to local, state, national and international regulations.

2.3. Other Hazards

Other Hazards Not Contributing to the Classification: No additional information available.

2.4 Unknown Acute Toxicity (GHS-US)

No data available.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substance

Not applicable

Name	Product Identifier	%	Classification (GHS-US)
(S,S)-Dimethyl 2-(difluoromethyl)-4-(2-methylpropyl)-6-(trifluoromethyl)-3,5-pyridinedicarbothioate	(CAS No) 97886-45-8	<0.3%	Not classified
Synthetic Gypsum (calcium sulfate dihydrate)	(CAS No) 10101-41-4	90-95%	
Limestone (calcium carbonate)	(CAS No) 1317-65-3	<10%	
Calcium Lignosulfonate (stabilizer)	(CAS No) 8061-52-7	1.5%	
Trace metals	--	<1%	
Crystalline Silica (quartz)	(CAS No) 14808-60-7	<0.1%	

Full text of H-phrases: see section 16

3.2. Mixture

Full text of H-phrases: see section 16

SECTION 4: FIRST AID MEASURES

4.1. Description of First Aid Measures

First-aid Measures General: If medical advice is needed, have product container or label at hand. Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible). IF exposed or concerned: Get medical advice/attention.

First-aid Measures After Inhalation: If inhaled, remove to fresh air and keep at rest in a position comfortable for breathing. If you feel unwell, seek medical advice.

First-aid Measures After Skin Contact: Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Wash skin thoroughly with mild soap and water. Wash contaminated clothing before reuse. Obtain medical attention if irritation develops or persists.

First-aid Measures After Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if irritation persists.

First-aid Measures After Ingestion: Rinse mouth. If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label. Call a POISON CENTER/doctor/physician if you feel unwell.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/Injuries: Harmful if swallowed. Eye irritation. Causes skin irritation. May cause an allergic reaction in sensitive individuals. May cause respiratory irritation.

Symptoms/Injuries After Inhalation: Irritating to the respiratory system and mucous membranes. May cause cancer by inhalation. May cause drowsiness or dizziness.

Symptoms/Injuries After Skin Contact: Causes skin irritation. May cause an allergic skin reaction.

Symptoms/Injuries After Eye Contact: Causes serious eye irritation.

Symptoms/Injuries After Ingestion: Harmful if swallowed. Swallowing a small quantity of this material will result in serious health hazard.

Chronic Symptoms: May cause cancer.

4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

If medical advice is needed, have product container or label at hand.

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing Media

Suitable Extinguishing Media: Alcohol foam, dry chemical, carbon dioxide, water spray, fog. Use extinguishing media appropriate for surrounding fire.

Unsuitable Extinguishing Media: Do not use water jet. Use of heavy stream of water may spread fire.

5.2. Special Hazards Arising From the Substance or Mixture

Fire Hazard: Not considered flammable but will burn at high temperatures. . Decomposes above 132 °C (270 °F). Under conditions of fire this material may produce: Ammonia. Nitrogen oxides.

Explosion Hazard: May form explosive compounds if mixed with: Calcium hypochlorite. Sodium hypochlorite. Nitrates. Nitric acid. Perchloric acid. Product itself is not explosive but if dust is generated, dust clouds suspended in air can be explosive.

Reactivity: This product as shipped in the form of coarse granules should not contain sufficient dust to present an explosion hazard. Prevent dust accumulation (to minimize explosion hazard).

5.3. Advice for Firefighters

Firefighting Instructions: Not flammable. Exercise caution when fighting any chemical fire.

Protection During Firefighting: Firefighters must use full bunker gear including NIOSH-approved positive-pressure self-contained breathing apparatus to protect against potential hazardous combustion and decomposition products.

Other information: Do not allow run-off from fire-fighting to enter drains or water courses.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Handle in accordance with good industrial hygiene and safety practice. This material becomes slippery when wet. Avoid all eyes and skin contact and do not breathe vapor and mist. Do not allow product to spread into the environment.

6.1.1. For Non-emergency Personnel

Protective Equipment: Wear suitable protective clothing, gloves and eye/face protection. Use appropriate personal protection equipment (PPE).

Emergency Procedures: Collect as any solid. Ventilate area. Evacuate unnecessary personnel.

6.1.2. For Emergency Responders

Protective Equipment: Wear suitable protective clothing, gloves and eye/face protection. Equip cleanup crew with proper protection. Use appropriate personal protection equipment (PPE).

Emergency Procedures: If possible, stop flow of product. Contain and collect as any solid. Evacuate unnecessary personnel. Ventilate area.

6.2. Environmental Precautions

Avoid release to the environment. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

6.3. Methods and Material for Containment and Cleaning Up

For Containment: Contain and collect as any solid. Do not allow into drains or water courses or dispose of where ground or surface waters may be affected.

Methods for Cleaning Up: Recover the product by vacuuming, shoveling or sweeping. Avoid generation of dust during clean-up of spills. If spilled directly onto the ground, remove sufficient soil to ensure material is fully recovered. Material may be used if uncontaminated. Clear up spills immediately and dispose of waste safely.

6.4. Reference to Other Sections

See heading 8, Exposure Controls and Personal Protection.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for Safe Handling

Additional Hazards When Processed: This material becomes slippery when wet.

Precautions for Safe Handling: Handle in accordance with good industrial hygiene and safety procedures. Wear recommended personal protective equipment. Avoid creating or spreading dust. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area.

Hygiene Measures: Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure. Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work. Wash hands and forearms thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product.

7.2. Conditions for Safe Storage, Including Any Incompatibilities

Storage Conditions: Store tightly closed in a dry, cool and well-ventilated place. Protect from moisture. Keep container closed when not in use.

Incompatible Products: Strong acids. Strong bases. Strong oxidizers.

Prohibitions on mixed storage: Store away from: Ammonium nitrate. Refer to Section 10 on Incompatible Materials.

Special Rules on Packaging: Corrosive to copper and its alloys.

7.3. Specific End Use(s)

Herbicide.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters

Chemical Name/Component	OSHA PEL (mg/m³)	ACGIH TLV (mg/m³)	Dow IHG
Dithiopyr		(TWA) 20 ppm	(TWA) 0.25 mg/m³
Toluene	(Z-1)	(TWA) BEI	
	(Z-2) (TWA) 200 ppm		
	(Z-2) (CEIL) 300 ppm		
	(Z-2) (Peak) 500 ppm		
Gysum (calcium sulfate), total particulate Particles not otherwise specified (PNOS)	15	10	
Gypsum (calcium sulfate), PNOS respirable fraction	5	3	

Notes:

1. *"OSHA" means Occupational Safety and Health Administration.*
2. *"PEL" means (OSHA) permissible exposure limit.*
3. *"ACGIH" means American Conference of Governmental Industrial Hygienists.*
4. *"TLV" means Threshold Limit Value.*
5. *"TWA" means time-weighted average.*

8.2. Exposure Controls

Appropriate Engineering Controls : Ensure all national/local regulations are observed.

Personal Protective Equipment : Gloves. Safety glasses. Protective clothing. Insufficient ventilation: wear respiratory protection.

Materials for Protective Clothing : Chemically resistant materials and fabrics.

Hand Protection : protective gloves.

Eye Protection : Chemical goggles or safety glasses.

Skin and Body Protection : Wear suitable protective clothing.

Respiratory Protection : If exposure limits are exceeded or irritation is experienced, NIOSH approved respiratory protection should be worn.

Other Information : When using, do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties

Appearance	
Physical State	Solid
Color	Tan
Odor	Sulfur-like
Odor Threshold	no data available
pH	4.2
Melting point/range	65 °C (149 °F)
Freezing point	Not applicable to solids
Boiling point (760 mmHg)	Not applicable to solids
Flash point	**closed cup** 184 °C (363 °F)
Evaporation Rate (Butyl Acetate = 1)	no data available
Flammability (solid, gas)	no data available
Lower explosion limit	Not applicable
Upper explosion limit	Not applicable
Vapor Pressure	Negligible
Relative Vapor Density (air = 1)	No test data available
Relative Vapor Density (water = 1)	No test data available

Water Solubility	0.00014 % at 20 °C (68 °F)
Partition coeffiecient: n-Octanol/water	No data available
Auto-ignition temperature	Not applicable
Decomposition temperature	No test data available
Kinematic Viscosity	no data available
Explosive properties	no data available
Oxidizing properties	no data available
Liquid Density	Not applicable
Solid Density	1.41 g/cm^3
Molecular weight	no data available

Note: The physical data presented above are typical values and should not be construed as a specification.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity: This product as shipped in the form of coarse granules should not contain sufficient dust to present an explosion hazard. Prevent dust accumulation (to minimize explosion hazard). Avoid contact with strong acids and strong oxidizers.

10.2 Chemical Stability: Stable at standard temperature and pressure and in dry environments.

10.3 Possibility of Hazardous Reactions: Contact with strong acids could result in release of carbon dioxide.

10.4 Conditions to Avoid: Protect from moisture. Keep away from heat. Direct sunlight. Extremely high or low temperatures. Sparks, heat, open flame and other sources of ignition.

10.5 Incompatible Materials: Strong acids, aluminum (at high temperatures), diazomethane, oxidizers.

10.6 Hazardous Decomposition Products: No hazardous decomposition up to 1450 °C. Above 1450 °C it could decompose to calcium oxide (CaO) and release sulfur dioxide (SO_2) and various carbon dioxides and trace amounts of hydrogen cyanide.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information On Toxicological Effects

Acute Toxicity: Harmful if swallowed.

LESCO DIMENSION™ 0.27%
LD50 Dermal Rat mg/kg

(S,S)-Dimethyl 2-(diffluoromethyl)-4-(2-methyl propyl)-6-(trifluoromethyl)-3,5-pyridinedicarbothioate (97886-45-8)
LC50 Inhalation Rat (mg/l) >6 g/m^3 (Exposure time: 4h)

Note: No specific data are available for the product as a whole, so this information pertains to calcium sulfate dehydrate.

Human Data (Calcium Sulfate Dihydrate)

Likely routes of exposure: inhalation, ingestion, skin and eye contact.

Symptoms: Irritation of the eyes, skin, mucous membrane, upper respiratory system; cough, sneezing, rhinorrhea (discharge of nasal mucous), nosebleed.

Acute Ingestion: Irritation to the esophagus and stomach, abdominal spasms and pain. GI blockage if material hardens.

Health Effects: Nuisance particulate (accumulation in lungs).

Delayed and Immediate Effects: None known.

Chronic effects from short and long term exposure: None known.

Animal Data (Calcium Sulfate Dihydrate)

Acute Oral Toxicity
Species: Rat (Sprague-Dawley)
Route of Administration: Oral (gavage)
Method: OECD Test Guideline 420 (Acute Oral Toxicity-Fixed dose procedure)
2,000 mg/kg body weight of test substance was administered to 4 female rats during main study (50, 300 and 2,000 mg/kg body weight administered during sighting study).
No mortality, no specific clinical signs observed during test period.
LD50 (Lethal Dose): >2,000 mg/kg body weight (category 5 under Harmonized Integrated Classification System for Human Health and Environmental Hazards of Chemical Substances and Mixtures).

Skin Irritation
Species: Rabbit (New Zealand White)
Test Type: In vivo
Method: OECD TG 404 (1991) "Acute Dermal Irritation/Corrosion"
Exposure Period: 4 hours
500 mg/site/rabbit
No erythema, no eschar, and no oedema (score of zero under OECD method: grading of skin reaction) was observed at the skin on the backs of three rabbits during test period.
Result: Not irritating

Skin Sensitization
Species: Guinea Pig (Hartley)
Test Type: Buehler test
Method: OECD TG 406 (1991) "Skin Sensitization"
Exposure Period: hours/weeks for 3 consecutive weeks
0.4 grams/site/guinea pig was applied topically with an occluded patch to the backs of 40 male guinea pigs. After 6 hours, the material was removed and the skin was examined using the sensitization grading system.
Result: Not sensitizing

No acute inhalation toxicity, acute dermal toxicity, acute toxicity (other routes of administration), corrosiveness/irritation, or eye irritation corrosion studies are available.

Studies of Mutagenicity and Reproduction/Developmental Toxicity Screening Tests were negative.

Carcinogenicity
None of the components are listed as a carcinogen or suspected carcinogen in the U.S. National Toxicology Program (NTP) Report on Carcinogens (latest edition) or has been found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs (latest editions), or by OSHA. Note: This product may contain small quantities of crystalline silica (<0.1%), which has been identified as a carcinogen by the IARC and U.S. NTP.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Acute Toxicity to Fish:

Dithiopyr:
Material is highly toxic to aquatic organisms on an acute basis (LC50/EC50 between 0.1 and 1 mg/L in the most sensitive species tested.

LC50, Oncorhynchus mykiss (rainbow trout), 96 hour, 0.48 mg/L

Calcium Sulfate, Dihydrate:
Method: OECD TG 203 "Fish, Acute Toxicity Test"
Test Species: *Oryzias latipes*
Type: Static
Exposure Period: 96 hours
LC_{50}(Lethal Concentration): >100 mg/L
No mortality or visible abnormality occurred at the test limit of 100 mg/L.

Acute Toxicity to Aquatic Invertebrates:

Dithiopyr:
LC50, saltwater mysid Mysidopsis bahia, 0.586 mg/L
EC50, eastern oyster (Crassostrea virginica), 0.168 mg/L

Calcium Sulfate, Dihydrate:
Method: OECD TG 202, "*Daphnia sp.*, Acute Immobilization Test and Reproduction Test"
Test Species: *Daphnia magna*
Type: Static
Exposure Period: 48 hours
EC_{50}(Effective Concentration): >100 mg/L
No immobilization or mortality occurred at the test limit of 100 mg/L.

Toxicity to Above Ground Organisms (Dithiopyr):
Material is practically non-toxic to birds on a dietary basis (LC50 > 5000 ppm).
Material is practically non-toxic to birds on an acute basis (LD50 > 2000 mg/kg).

dietary LC50, Colinus virginianus (Bobwhite quail), >5,620 ppm

oral LD50, Colinus virginianus (Bobwhite quail), >2,250 mg/kg

contact LD50, Apis mellifera (bees), 48 hour, 81µg/bee

Toxicity to soil-dwelling organisms (Dithiopyr):
LC50, Eisenia fetida (earthworms), mortality, > 1,000 mg/kg

Exotoxicity (Calcium Sulfate, Dihydrate):
Algae
Method: OECD TG 201, "Alga, Growth Inhibition Test"
Test Species: *Selenastrum capricornutum*
Exposure Period: 72 hours
Endpoint: Growth Rate
E_GC_{50}(Effective growth concentration): >100 mg/L

E_bC_{50}(Effective Biomass concentration): >100 mg/L
$NOEC_r$(No Observed Effect Concentration – Reproduction): <100 mg/L
$NOEC_b$(No Observed Effect Concentration – Biomass): <100 mg/L
No significant difference in growth curve between test and control group.

12.2 Persistence and degradability

Dithiopyr

Biodegradability: Biodegradation may occur under aerobic conditions (in the presence of oxygen).

Toluene

Biodegradability: Material is readily biodegradable. Passes OECD test(s) for ready biodegradability.
10-day Window: Not applicable
Biodegradation: 100%
Exposure time: 14 d
Method: OECD Test Guideline 301C or Equivalent

Theoretical Oxygen Demand: 3.13 mg/mg Calculated.

Photodegradation
Test Type: Half-life (indirect photolysis)
Sensitizer: OH radicals
Atmospheric half-life: 2 d
Method: Estimated.

Balance

Biodegradability: No relevant data found.

Calcium Sulfate, Dihydrate

Not relevant for an inorganic compound.

12.3 Bioaccumulative potential

Dithiopyr, Toluene, Balance: No data available.
Calcium Sulfate, Dihydrate: Bioaccumulation is not expected.

12.4 Mobility in Soil

Dithiopyr

Expected to be relatively immobile in soil (Koc > 5000).
Given its very low Henry's constant, volatilization from natural bodies of water or moist soil is not expected to be an important fate process.
Partition Coefficient(Koc): 20500

Toluene

Potential for mobility in soil is very high (Koc between 0 and 50)
Partition Coefficient(Koc): 37 – 178 Estimated.

Balance

No relevant data found.

Calcium Sulfate, Dihydrate

Soluble in water and mobile in soil.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Disposal methods

Disposal Methods: Pesticide: Wastes resulting from the use of this product that cannot be used or chemically reprocessed should be disposed of in a landfill approved for pesticide disposal or in accordance with applicable Federal, State or local procedures. Or call (1-800-CLEANUP) for disposal instructions. Never place unused product down any indoor or outdoor drain. Container: Do not reuse bag. Dispose of emptied bag(s) in a sanitary landfill approved for pesticide disposal, or by incineration.
Additional Information: Dispose of waste material in accordance with all local, regional, national, and international regulations.
Ecology – Waste Materials: This material is hazardous to the aquatic environment. Keep out of sewers and waterways.

SECTION 14: TRANSPORT INFORMATION

14.1 In Accordance with DOT	Not regulated for transport
14.2 In Accordance with IMDG	Not regulated for transport
14.3 In Accordance with IATA	Not regulated for transport

SECTION 15: REGULATORY INFORMATION

15.1 Dithiopyr

OSHA Hazard Communication Standard

This product is not a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and Community Right-to-Know Act of 1986) Sections 311 and 312

Chronic Health Hazard

Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and Community Right-to-Know Act of 1986) Section 313

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

California Proposition 65 (Safe Drinking Water and Toxic Enforcement Act of 1986)

WARNING: This product contains a chemical(s) known to the State of California to cause birth defects or other reproductive harm.

Pennsylvania (Worker and Community Right-to-Know Act): Pennsylvania Hazardous Substances List and/or Pennsylvania Environmental Hazardous Substance List:

To the best of our knowledge, this product does not contain chemicals at levels which require reporting under this statute.

Pennsylvania (Worker and Community Right-to-Know Act): Pennsylvania Special Hazardous Substances List:

To the best of our knowledge, this product does not contain chemicals at levels which require reporting under this statute.

United States TSCA Inventory (TSCA)

This product contains chemical substance(s) exempt from U.S. EPA TSCA Inventory requirements. It is regulated as a pesticide subject to Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) requirements.

Federal Insecticide, Fungicide and Rodenticide Act

EPA Registration Number: 62719-429-10404

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 product label:

CAUTION

Calcium Sulfate, Dihydrate

This product is not labeled for sale or use in the State of California, thus no Proposition 65 declarations are required.

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

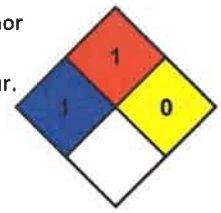
Revision date : 11/06/2015

Other Information : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

GHS Full Text Phrases:

Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Acute Tox. Not classified (oral)	Acute toxicity (oral) Not classified
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard Category 1
Aquatic Acute 2	Hazardous to the aquatic environment – Acute Hazard Category 2
Aquatic Acute 3	Hazardous to the aquatic environment – Acute Hazard Category 3
Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard Category 3
Comb. Dust	Combustible Dust
Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
Eye Irrit. 2B	Serious eye damage/eye irritation Category 2B
Ox. Sol. 2	Oxidizing solids Category 2
Ox. Sol. Not Classified	Oxidizing solids Not classified
Skin Irrit. 2	Skin corrosion/irritation Category 2
Skin Sens. 1	Skin sensitization Category 1
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
	May form combustible dust concentrations in air
H272	May intensify fire; oxidizer
H302	Harmful if swallowed
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H320	Causes eye irritation
H335	May cause respiratory irritation
H400	Very toxic to aquatic life
H401	Toxic to aquatic life
H402	Harmful to aquatic life
H412	Harmful to aquatic life with long lasting effects
ACGIH	USA. ACGIH Threshold Limit Values (TLV)
BEI	Biological Exposure Indices
CEIL	Acceptable ceiling concentration
Dow IHG	Dow Industrial Hygiene Guideline
OSHA Z-1	USA. Occupational Exposure Limits (OSHA) – Table Z-1 Limits for Air Contaminants
OSHA Z-2	USA. Occupational Exposure Limits (OSHA) – Table Z-2
Peak	Acceptable maximum peak above the acceptable ceiling concentration for an 8-hr shift
TWA	8-hour, time-weighted average

NFPA Health Hazard	: 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.
NFPA Fire Hazard	: 1 - Must be preheated before ignition can occur.
NFPA Reactivity	: 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.



HMIS III Rating

Health	: 2 Moderate Hazard - Temporary or minor injury may occur
Flammability	: 1 Slight Hazard
Physical	: 0 Minimal Hazard

Information Source and References

This SDS is prepared by Product Regulatory Services and Hazard Communications Groups from information supplied by internal references within our company.

IMPORTANT: The information contained herein is based on available data. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof; and you should make your investigation to determine safety for the use you contemplate. LESCO makes no warranty of merchantability of fitness for a particular use, nor is there any other express or implied warranty except as may be specifically provided otherwise on product. LESCO, Inc. assumes no responsibility or liability for any incidental or consequential damages whether related to personal injury or property damage, to vendees, users or third parties, caused by the material and LESCO's responsibility is limited to replacement of, or repayment of, the purchase price for the material(s) with respect to which any damages are claimed. All vendees or users assume all risk associated with the use of the material(s).

SDS US (GHS HazCom) - US Only 10 pt 2

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ENVIRONMENTAL HAZARDS:
Carfentrazone is very toxic to algae and moderately toxic to fish. This product is toxic to aquatic invertebrates. Drift or runoff may adversely affect aquatic invertebrates and nontarget plants. 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 washwater. When cleaning equipment, do not pour the washwater on the ground; spray or drain over a large area away from wells and other water sources.

Most cases of groundwater contamination involving phenoxy herbicides such as 2,4-D and MCPP-p have been associated with mixing, loading and disposal sites. Caution should be exercised when handling 2,4-D and MCPP-p pesticides at such sites to prevent contamination of groundwater supplies. Use of closed systems for mixing or transferring this pesticide will reduce the probability of spills. Placement of the mixing/loading equipment on an impervious pad to contain spills will help prevent groundwater contamination.

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.

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, wear:
- coveralls over long-sleeved shirt and long pants.
- chemical resistant gloves such as barrier laminate, nitrile rubber, neoprene rubber or Viton gloves.
- shoes plus socks.

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 allow people (other than applicator) or pets on treatment area during application. Do not enter treatment areas until spray has dried.

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

SpeedZone 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.
- Good toxicological, environmental, and ecological properties compared to the standards.
- 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 7-14 days.

SPRAY PREPARATION AND TANK MIXTURES:
SpeedZone 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 SpeedZone 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.

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 3-175 gallons per acre with spray pressures adjusted to 20-40 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). Applications are recommended only when there is no potential hazard from spray drift during dormant and active growth periods. 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.

WHERE TO USE:
SpeedZone 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.

Turfgrass tolerance:
- The turfgrass tolerance to SpeedZone may vary and temporary turfgrass yellowing may occur on certain varieties (F1) hybrids of hybrid bermudagrass. Environmental conditions and certain spray tank additives (e.g. 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, Creeping and Colonial bentgrass (excluding golf greens) and mixtures of cool-season species in noncropland areas established for roadside vegetation management or for low maintenance. (Kentucky bluegrass, tall fescue, smooth bromegrass, and orchardgrass).

Warm-Season Turf
Common bermudagrass, Hybrid bermudagrass and Zoysiagrass.

Prohibitions:
- Do not apply this product to bentgrass greens, carpetgrass, dichondra, legumes, and lawns where desirable clovers are present.

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

SpeedZone may be applied as a single broadcast application or as 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.

Sequential broadcast applications or follow-up applications as spot treatments at a 2-6 week interval are recommended for more mature weeds, for dense infestations, and for adverse environmental conditions.

Spot treatments during the summer may be appropriate for sparse infestations, or as a follow-up treatment anytime 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 SpeedZone. 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 SpeedZone.

For newly seeded areas:
The application of SpeedZone to grass seedlings is recommended after the second mowing.

For newly sodded, sprigged, or plugged areas:
The application of SpeedZone 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.

The maximum application rate to turf is 1.0 pound 2,4-D acid equivalent per acre per application per site. The maximum number of broadcast applications per treatment site is 2 per year.

The maximum seasonal rate of carfentrazone-ethyl contained in this product with two (2) broadcast applications to turfgrass is 0.062 pounds of carfentrazone-ethyl per acre per season. The retreatment interval for sequential broadcast applications of this product on turfgrass is two (2) to six (6) weeks depending upon the growth stages of the target weeds.

Use rates and spray volumes of SpeedZone as a broadcast treatment for use on turfgrass are presented in Table 1.

TABLE 1. RATE RECOMMENDATIONS FOR SOD FARMS, ORNAMENTAL LAWNS AND TURFGRASS.

Species	Amount of Product, Pints/ Acre	Spray Volume, Gallons/ Acre	Amount of Product, fl. oz./ 1,000 sq. ft.	Spray Volume, Gallons per 1,000 sq. ft.
COOL-SEASON TURF				
Kentucky bluegrass, Annual bluegrass, Annual ryegrass, Perennial ryegrass, Tall fescue, Red or fine leaf fescues, Creeping and Colonial bentgrass (excluding golf greens).	3.0 - 5.0	3 - 175	1.1 - 1.8	0.1 - 4.0
Mixtures of cool-season species established for aesthetic purposes.	3.0 - 5.0	3 - 175	1.1 - 1.8	0.1 - 4.0
Mixtures of cool-season species in noncropland areas established for roadside vegetation management or for low maintenance. (Kentucky bluegrass, tall fescue, smooth bromegrass & orchardgrass.)	3.0 - 5.0	3 - 175	1.1 - 1.8	0.1 - 4.0
WARM-SEASON TURF				
Common bermudagrass, Hybrid bermudagrass and Zoysiagrass.	2 - 4	3 - 175	0.75 - 1.5	0.1 - 4.0

NOTE: Maximum control of weeds will be obtained with early to mid-spring or mid to late fall applications. Higher rates, listed above, should be used in warmer temperatures (above 70°F).

SPOT TREATMENTS WITH HAND OPERATED SPRAYERS (INCLUDING BACKPACK SPRAYERS, COMPRESSION SPRAYERS, AND KNAPSACK SPRAYERS):
- For cool-season turfgrass, mix 1.1-1.8 fl. oz. of SpeedZone 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 0.75-1.5 fl. oz. of SpeedZone 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.

SpeedZone 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.
- Rainfast period: Rainfall or irrigation occurring within 3-4 hours after application of this product may reduce the effectiveness.

SPECIMEN LABEL

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.

BROADLEAF WEEDS CONTROLLED:
SpeedZone will control or suppress the following broadleaf weeds and will control or suppress other broadleaf weeds that are susceptible to 2,4-D.

BROADLEAF WEEDS

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

*Synonyms

STORAGE & DISPOSAL

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

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 and may contaminate groundwater. 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 DISPOSAL: *For Metal Containers* - Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

For Plastic Containers - Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or if allowed by state and local authorities by burning. If burned stay out of smoke.

LIMITED WARRANTY AND DISCLAIMER
The manufacturer warrants only that the chemical composition of this product conforms to the ingredient statement given on the label, and that the product is reasonably suited for the labeled use when applied according to the Directions for Use.

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 EXPRESSLY DISCLAIMED. This limited warranty does not extend to the use of the product inconsistent with label instructions, warnings or cautions, or to use of the product under abnormal conditions such as drought, excessive rainfall, tornadoes, hurricanes, etc. These factors are beyond the control of the manufacturer or the seller. Any damages arising from a breach of the manufacturer's warranty shall be limited to direct damages, and shall not include indirect or consequential damages such as loss of profits or values, except as otherwise provided by law.

The terms of this Limited Warranty and Disclaimer cannot be varied by any written or verbal statements or agreements. No employee or agent of the seller is authorized to vary or exceed the terms of this Limited Warranty and Disclaimer in any manner.

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654 AP010606
EPA REG. NO. 2217-833

Manufactured By
pbi/gordon corporation
An Employee-Owned Company
1217 West 12th Street
Kansas City, Missouri 64101
www.pbigordon.com

SPECIMEN LABEL

SAFETY DATA SHEET

Issue Date 27-May-2020 **Revision Date** 02-Jun-2020 **Version** 1

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

Product identifier.
Product Name SpeedZone® EW Broadleaf Herbicide for Turf

Other means of identification
Product Code PBI FP 658
EPA Pesticide Registration Number 2217-1053

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

Supplier Address	Company Name	Manufacturer
PBI-Gordon Corporation P.O. Box 860350 Shawnee, KS 66286	PBI-Gordon Corporation P.O. Box 860350 Shawnee, KS 66286	PBI-Gordon Corporation P.O. Box 860350 Shawnee, KS 66286

Emergency telephone number
24 Hour Emergency Phone Number 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
Serious eye damage/eye irritation	Category 2B
Skin Sensitization	Category 1
Acute Aquatic Toxicity	Category 1
Chronic Aquatic Toxicity	Category 1

Label elements

Emergency Overview

Signal word
Warning

Hazard statements
- Harmful if swallowed
- Causes eye irritation
- May cause an allergic skin reaction
- Very toxic to aquatic life with long lasting effects

Appearance Liquid **Physical state** Liquid **Odor** Sweet

Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling
Do not eat, drink or smoke when using this product
Avoid breathing dust/fume/gas/mist/vapors/spray
Contaminated work clothing must not be allowed out of the workplace
Wear protective gloves

Precautionary Statements - Response
IF ON SKIN: Wash with plenty of soap and water
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
If eye irritation persists: Get medical advice/attention
If skin irritation or rash occurs: Get medical advice/attention
Wash contaminated clothing before reuse
IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell
Rinse mouth

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
Not applicable.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance
Not applicable.

Mixture

Chemical name	CAS-No	Weight-%
2,4-D, 2-ethylhexyl ester	1928-43-4	25.86
MCPP-p Dimethylamine Salt	66423-09-4	6.84
Dimethylamine dicamba	2300-66-5	1.91
Carfentrazone-ethyl	128639-02-1	0.57
Trade Secret	Trade secret	0 - 10%

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

4. FIRST AID MEASURES

Description of first aid measures

General advice If symptoms persist, call a physician. Show this safety data sheet to the doctor in attendance.

Eye contact Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. If symptoms persist, call a physician.

Skin contact Wash with soap and water. In the case of skin irritation or allergic reactions see a physician.

Inhalation Remove to fresh air.

Ingestion Do NOT induce vomiting. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Call a physician.

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 May cause sensitization in susceptible persons. Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media No information available.

Specific hazards arising from the chemical Product is or contains a sensitizer. May cause sensitization by skin contact.

Explosion data

Sensitivity to mechanical impact None.

Sensitivity to static discharge None.

Special protective equipment for fire-fighters 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 Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

Environmental precautions

Environmental precautions See Section 12 for additional ecological information Avoid release to the environment Collect spillage Dispose of contents/container to an approved waste disposal plant

Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. Clean contaminated surface thoroughly.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labeled containers. Keep out of the reach of children. Keep from freezing.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Limits

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH

2,4-D, 2-ethylhexyl ester 1928-43-4	TWA: 10 mg/m³ inhalable fraction S*	TWA: 10 mg/m³	IDLH: 100 mg/m³, TWA: 10 mg/m³
Carfentrazone-ethyl 128639-02-1	TWA: 1 mg/m³ inhalable particulate matter	-	-
Trade Secret	STEL: 15 ppm TWA: 5 ppm	TWA: 10 ppm TWA: 18 mg/m³ (vacated) TWA: 10 ppm (vacated) TWA: 18 mg/m³	IDLH: 500 ppm TWA: 10 ppm TWA: 18 mg/m³

Appropriate engineering controls

Engineering controls Showers
Eyewash stations
Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles).

Hand protection Chemical resistant gloves.

Skin and body protection Wear long-sleeved shirt, long pants, socks and shoes.

Respiratory protection 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.

General hygiene considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state Liquid
Appearance Liquid
Color White
Odor Sweet
Odor threshold No information available

Property	Values	Remarks • Method
pH	6-8	
Melting point/freezing point		None known
Boiling point / boiling range	No data available	None known
Flash point	> 96 °C / 205 °F	
Evaporation rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limit in Air		None known
Upper flammability limit:	No data available	
Lower flammability limit:	No data available	
Vapor pressure	No data available	None known
Vapor density	No data available	None known
Specific Gravity	1.051	
Water solubility	Emulsifiable	
Solubility in other solvents	No data available	None known
Partition coefficient	No data available	None known
Autoignition temperature	No data available	None known
Decomposition temperature	No data available	None known

Other Information

Liquid Density 8.75 pounds/gallon
Bulk density No information available

10. STABILITY AND REACTIVITY

Reactivity
No information available.

Stability
Stable under recommended storage conditions

Possibility of hazardous reactions
None under normal processing.

Conditions to avoid
Keep out of reach of children.

Incompatible materials
None known based on information supplied.

Hazardous decomposition products
None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Inhalation Specific test data for the substance or mixture is not available.

Eye contact Causes eye irritation.

Skin contact May be harmful in contact with skin.

Ingestion Harmful if swallowed.

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
2,4-D, 2-ethylhexyl ester 1928-43-4	= 300 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 5.4 mg/L (Rat) 4 h
Dimethylamine dicamba 2300-66-5	= 1267 mg/kg (Rat) = 2629 mg/kg (Rat)	> 2 g/kg (Rabbit) > 2000 mg/kg (Rabbit)	-
Carfentrazone-ethyl 128639-02-1	= 5143 mg/kg (Rat)	> 4000 mg/kg (Rat)	= 5.09 mg/L (Rat) 4 h
Trade Secret	= 698 mg/kg (Rat)	= 3900 mg/kg (Rat)	= 4540 ppm (Rat) 6 h

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms No information available.

Acute toxicity

Numerical measures of toxicity - Product Information

Unknown Toxicity
42 % of the mixture consists of ingredient(s) of unknown toxicity

LD50 Oral = 1750 mg/kg (female rats)
LD50 Dermal > 5000 mg/kg (rat)
LC50 Inhalation (DUST) > 2.17 mg/L (rat)

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

Skin corrosion/irritation Slightly irritating to the skin.

Serious eye damage/eye irritation Causes eye irritation.

Respiratory or skin 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, MCPP, 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.

Chemical name	ACGIH	IARC	NTP	OSHA
2,4-D, 2-ethylhexyl ester 1928-43-4	-	Group 2B	-	X
MCPP-p Dimethylamine Salt 66423-09-4	-	Group 2B	-	-

Legend
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.

12. ECOLOGICAL INFORMATION

Ecotoxicity Very toxic to aquatic life with long lasting effects.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
2,4-D, 2-ethylhexyl ester 1928-43-4	30: 120 h Pseudokirchneriella subcapitata mg/L EC50 30: 120 h Pseudokirchneriella subcapitata mg/L EC50 static	7.8: 96 h Oncorhynchus mykiss mg/L LC50 static 11.5: 96 h Lepomis macrochirus mg/L LC50 static 6 - 8.7: 96 h Oncorhynchus mykiss mg/L LC50 flow-through	-	-
Trade Secret	9: 96 h Pseudokirchneriella subcapitata mg/L EC50	210: 96 h Poecilia reticulata mg/L LC50 static 111 - 125: 96 h Oncorhynchus mykiss mg/L LC50 120: 96 h Oncorhynchus mykiss mg/L LC50 static 127 - 349: 96 h Poecilia reticulata mg/L LC50 semi-static 396: 96 h Brachydanio rerio mg/L LC50 static	EC50 = 26.8 mg/L 15 min	88.7: 48 h Daphnia magna Straus mg/L EC50

Persistence and degradability No information available.

Bioaccumulation No information available.

Other adverse effects No information available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Waste from residues/unused products Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging Do not reuse empty containers.

14. TRANSPORT INFORMATION

Note: **Products under 44 gallons not regulated by DOT. Below are designations for products over 44 gallons. See RQ**

DOT

UN/ID no.	UN3082
Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Hazard class	9
Packing group	III
Reportable Quantity (RQ)	2,4-D, 2-ethylhexyl ester: RQ (lb)= 387.00=44 gallons
Special Provisions	8, 146, 173, 335, IB3, T4, TP1, TP29
Description	UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (2,4-D, 2-ethylhexyl ester), 9, III, Marine pollutant

TDG

UN/ID no.	UN3082
Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Hazard class	9
Packing group	III
Description	UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (2,4-D, 2-ethylhexyl ester), 9, III

MEX

UN/ID no.	UN3082
Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Hazard class	9
Special Provisions	274, 331, 335
Packing group	III
Description	UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (2,4-D, 2-ethylhexyl ester), 9, III

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. (2,4-D, 2-ethylhexyl ester), 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
Description	UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (2,4-D,

2-ethylhexyl ester), 9, III

IMDG 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
EmS-No.	F-A, S-F
Special Provisions	274, 335, 969
Description	UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (2,4-D, 2-ETHYLHEXYL ESTER), 9, III, MARINE POLLUTANT

15. REGULATORY INFORMATION

U.S. EPA Label Information

EPA Pesticide Registration Number 2217-1053

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 reach of children
Hazards to Humans and Domestic Animals. CAUTION: Causes moderate eye irritation. Harmful if swallowed. Avoid contact with eyes, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.
Environmental Hazards: This pesticide is toxic to fish and aquatic invertebrates and 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. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. Do not contaminate water when disposing of equipment wash waters or rinsate. 2,4-D and Mecoprop-p have properties and characteristics associated with chemicals detected in groundwater. The use of these chemicals 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. Fish Advisory Statement: This product may be hazardous to aquatic organisms, particularly in clear, shallow water bodies that are adjacent to treated areas. Transport to water by runoff or spray drift of this product in areas where surface water is present, or intertidal areas below the mean high water mark, should be avoided. Do not contaminate water when disposing of equipment wash water or rinsate. Non-target Organism Advisory Statement: This product is toxic to plants and may adversely impact the forage and habitat of non-target organisms, including pollinators, in areas adjacent to the treated site. Protect the forage and habitat of non-target organisms by minimizing spray drift.

International Inventories

TSCA	Not Listed
DSL/NDSL	Not Listed
EINECS/ELINCS	Not Listed
ENCS	Not Listed
IECSC	Not Listed
KECL	Not Listed
PICCS	Not Listed
AICS	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

US Federal Regulations

SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories
Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

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
2,4-D, 2-ethylhexyl ester 1928-43-4	100 lb	-	-	-
Trade Secret	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	Extremely Hazardous Substances RQs
2,4-D, 2-ethylhexyl ester 1928-43-4	100 lb	-
Trade Secret	1000 lb	-

US State Regulations

U.S. State Right-to-Know Regulations

US State Regulations

Chemical name	New Jersey	Massachusetts	Pennsylvania
2,4-D, 2-ethylhexyl ester 1928-43-4	X	-	-
Trade Secret	X	-	X
Dimethylamine dicamba 2300-66-5	X	-	-
Trade Secret	X	X	X

16. OTHER INFORMATION

NFPA	**Health hazards** 2	**Flammability** 1	**Instability** 0	**Physical and Chemical Properties** -
HMIS	**Health hazards** 2	**Flammability** 1	**Physical hazards** 0	**Personal protection** X

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End of Safety Data Sheet