

NOTICE LANDSCAPE APPLICATION

Date of Application: April 14, 2025

Location: Pueblo Park in the small turf area by the basketball court.

Reason for Application: Fertilize fescue turf to provide uniform growth with extended nitrogen feeding.

Product Manufacturer Name: Lesco Professional Turf Fertilizer 28-3-7.

-Active ingredients: N/A

-Precautionary statement: Harmful if inhaled. Eye and skin irritant. Avoid breathing dust. Avoid contact with skin, eyes, or clothing.

Reason for Application: Treat the turf for broadleaf and crabgrass weed control. **Product Manufacturer Name:** Power Zone Broadleaf Herbicide for Turf

-EPA registration no. 2217-834

- -Active ingredients: MCPA, 2-ethylhexyl/ester, Mecoprop-p acid, Dicamba acid, and Carfentrazone-ethyl.
- -Precautionary statement: Causes moderate eye irritation. Harmful if absorbed through skin. Harmful if swallowed.

Product Manufacturer Name: Bayer Specticle Flo

-EPA registration no. 432-1608

-Active ingredients: Indaziflam

-Precautionary statement: Harmful if inhaled. May cause damage to organs (nervous system) through prolonged or repeated exposure. Do not breathe spray. Use only outdoors or in a well-ventilated area. Wash thoroughly after handling.

*See attached label and SDS sheet

*Dates are subject to change due to weather



LESCO PROFESSIONAL TURF FERTILIZER

For use in Rotary Spreaders Only Contains LESCO® Poly Plus® Polymer Coated Urea to provide uniform growth with extended nitrogen feeding.

> 50 lb COVERS 14,000 sq ft **SGN 240**

DIRECTIONS FOR USE: This LESCO product is a professional quality turf fertilizer for use on all lawn areas. The best results with this product are obtained when it is applied to actively growing grass, and watered into the turf soon after application. Avoid mowing immediately following application to prevent pick-up.

For best results, sweep or blow the fertilizer off walks and painted surfaces following application to avoid discoloration.

Do not apply near water, storm drains or drainage ditches. Do not apply if heavy rain is expected. Apply this product only to your lawn\garden, and sweep any product that lands on the driveway, sidewalk, or street back onto your lawn\garden.

Recommended applications are at the rate of one pound of nitrogen per 1,000 sq ft. Actual rates and timing of applications will vary with weather, soil and turf conditions.

For additional LESCO, Inc. product assistance call 1-800-347-4272.

COVERAGE: 50 pounds of LESCO 28-3-7 Fertilizer covers approximately 14,000 sq ft at the application rate of one pound of nitrogen (3.6 pounds of fertilizer) per 1,000 sq ft.

28 - 3 - 7

GUARANTEED ANALYSIS

TOTAL NITROGEN (N)	28.00%
1.17% Ammoniacal Nitrogen	
26.83% Urea Nitrogen*	
AVAILABLE PHOSPHATE (P2O5)	3.00%
SOLUBLE POTASH (K ₂ O)	7.00%
SULFUR (S) Total	2.38%
2.38% Combined Sulfur (S)	
IRON (Fe)	3.50%
0.04% Water Soluble Iron (Fe)	
MANGANESE (Mn)	2.50%
0.50% Water Soluble Manganese (Mn)	

DERIVED FROM: Polymer Coated Urea, Urea, Diammonium Phosphate, Sulfate of Potash, Iron Sucrate, Manganese Oxide, Manganese Sulfate.

*10.08% Slowly Available Urea Nitrogen from Polymer Coated Urea.

ROTARY SPREADER SETTINGS: Apply LESCO Fertilizers and Combination Products only with a rotary spreader. The following rotary spreader settings are approximate for the application rates of one pound of nitrogen per 1,000 square feet. You may need to adjust the setting depending on walking speed, spreader condition and product. An extended Spreader Setting listing can be found at www.lesco.com.

ROTARY SPREADER	SETTINGS
LESCO – All Rotary Models	#14
PermaGreen	14
Cyclone®/ Spyker® /Z-Spray	41⁄4
Vicon (LESCO Pendulum)	22
Lely®	4



WARNING

Harmful if inhaled. Eye and skin irritant. Avoid breathing dust. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling.

CONDITION OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

STATED ABOVE.

THE EXCLUSIVE REMEDY OF THE BUYER AND/OR USER AND THE EXCLUSIVE LIABILITY OF LESCO, INC. FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUD-ING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF LESCO, INC. REPLACEMENT OF THE PRODUCT, OR IF NOT AC-QUIRED BY PURCHASE, REPLACEMENT OF SUCH QUANTITY. IN NO EVENT SHALL LESCO, Inc., BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES. LESCO, Inc. offers this product, and Buyer and/or User accepts it, subject to the foregoing Conditions of Sale and Limitation of Warranty and Liability, which may not be modified except by written agreement signed by a duly authorized representative of LESCO, Inc. Information concerning the raw materials composing this product can be obtained by writing to: LESCO, Inc., Attn: RA Dept, 1385 East 36th Street, Cleveland, Ohio 44114-4114, referring to the item number found on this bag. Information regarding the contents and levels of metals in this product is available on the Internet at http://www.aapfco.org/metals.htm. Poly Plus is comprised of Polymer Coated Urea. LESCO and Poly Plus are registered trademarks and the sweeping design is a trademark of LESCO Technologies, LLC. SCOTTS is a registered trademark of The SCOTT Company. Cyclone and Spyker are registered trademarks of Spyker Spreaders, LLC. Lely is a registered trademark of C Van Der Lely N.V. N:\Regulatory\WP\Regul Private\MstrLbl_ERIEVIEW ADDRESS\Landscape Style Master Lbls\Fertilizer Labels Rev. 3/3/16 VT

F1560

Net Weight 50 lb (22.7 kg)

Manufactured for: LESCO. Inc. 1385 East 36th Street Cleveland, OH 44114-4114

NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of this product must be followed carefully and completely. It is impossible to eliminate all risks inherently associated with the use of this product. Buyer and/or User assume all risks of ineffectiveness or other unintended consequences or damages that may result from conditions outside or beyond the control of LESCO, Inc. including but not limited to such factors as manner of use or application, weather or weather conditions outside the range considered normal at the application site or for the time period in which the product is applied, the, presence of other materials, incompatible products, or other influencing factors which are beyond

the control of LESCO, Inc.. All such risks shall be assumed by Buyer and/or User, and Buyer and/or User agrees to hold LESCO, Inc. harmless for any claims relating to such factors. LESCO, Inc. warrants that this product conforms to the chemical description on the label and is

reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with the Directions for Use under normal use conditions. This warranty does not extend to the use of this product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to or beyond the control of LESCO, Inc. and Buyer and/or User assume the risk of any such use.

LESCO, INC. MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS

510030 PP



Version: 1.0

LESCO Granular Fertilizer – All Analyses

Safety Data Sheet

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

Regulations Revision Date: 9/20/2019 Date of issue: 9/20/19.

SECTION 1: IDENTIFICATION Product Identifier 1.1. Product Form: Mixture Product Name: LESCO Granular Fertilizer – All Analyses Other means of identification: Granular fertilizers including all chemical, partially sulfur coated, 100% polymer or sulfur coated nutrients, with and without micronutrients. 1.2. Intended Use of the Product Use of the substance/mixture: Fertilizer 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 Classification of the Substance or Mixture** 2.1. Classification (GHS-US) Skin Irrit. 2 H315 Eye Irrit. 2A H319 Skin Sens. 1 H317 STOT SE 3 H335 Aquatic Acute 3 H402 Aquatic Chronic 3 H412 Label Elements 2.2. **GHS-US Labeling** Hazard Pictograms (GHS-US) Signal Word (GHS-US) : Warning Hazard Statements (GHS-US) : H315 - Causes skin irritation H317 - May cause an allergic skin reaction H319 - Causes serious eve irritation H335 - May cause respiratory irritation H402 - Harmful to aquatic life H412 - Harmful to aquatic life with long lasting effects Precautionary Statements (GHS-US) : P261 - Avoid breathing dust P264 - Wash hands thoroughly after handling 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 eye protection, protective gloves, protective clothing 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 Section 4)

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 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, regional, national, and international regulations
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2.3. Other Hazards

Other Hazards: 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

3.2. Mixture

Name	Product identifier	%	Classification (GHS-US)
Urea	(CAS No) 57-13-6	0.1 - 98	Skin Irrit. 2, H315 Eye Irrit. 2B, H320
Sulfuric acid, dipotassium salt	(CAS No) 7778-80-5	0.1 - 95	Not classified
Diammonium phosphate	(CAS No) 7783-28-0	0.1 - 95	Skin Irrit. 2, H315 Eye Irrit. 2B, H320 STOT SE 3, H335 Aquatic Acute 3, H402
Potassium chloride	(CAS No) 7447-40-7	0.1 - 95	Aquatic Acute 3, H402
Monoammonium phosphate	(CAS No) 7722-76-1	0.1 - 95	Skin Irrit. 2, H315 Eye Irrit. 2B, H320 STOT SE 3, H335
Ammonium sulfate	(CAS No) 7783-20-2	0.1 - 95	Aquatic Acute 2, H401
Limestone	(CAS No) 1317-65-3	0.1 - 95	Not classified
Sulfur	(CAS No) 7704-34-9	0.1 - 20	Comb. Dust, H232 Flam. Sol. 2, H228 Skin Irrit. 2, H315 Eye Irrit. 2B, H320 Aquatic Acute 3, H402
Iron oxide (Fe2O3)	(CAS No) 1309-37-1	0.1 - 10	Not classified
Urea, polymer with formaldehyde	(CAS No) 9011-05-6	0.1 - 10	Not classified
Magnesium sulfate	(CAS No) 7487-88-9	0.1 - 10	Skin Sens. 1, H317
Ferrous sulfate	(CAS No) 7720-78-7	0.1 - 10	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Skin Sens. 1, H317 Aquatic Acute 1, H400
Manganese oxide (Mn3O4)	(CAS No) 1317-35-7	0.1 - 10	Not classified
Sulfate of Potash-Magnesia	(CAS No) 14977-37-8	0.1 - 10	Not classified
full text of H-phrases: see section 16	-	1	•

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.

First-aid Measures After Inhalation: If inhaled, remove to fresh air and keep at rest in a position comfortable for breathing. Give oxygen or artificial respiration if necessary. Obtain medical attention if breathing difficulty persists.

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First-aid Measures After Skin Contact: Wash skin thoroughly with mild soap and water. Obtain medical attention if irritation develops or persists. Wash contaminated clothing before reuse.

First-aid Measures After Eye Contact: Immediately rinse with water for a prolonged period (at least 15 minutes) while holding the eyelids wide open. Obtain medical attention if irritation develops or persists.

First-aid Measures After Ingestion: If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

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

Symptoms/Injuries After Inhalation: Overexposure may be irritating to the respiratory system.

Symptoms/Injuries After Skin Contact: May cause skin irritation.

Symptoms/Injuries After Eye Contact: May cause eye irritation.

Symptoms/Injuries After Ingestion: If a large quantity has been ingested : Abdominal pain. Diarrhea. Nausea. Vomiting.

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: Not considered flammable but will burn at high temperatures. . Use extinguishing media appropriate for surrounding fire.

Unsuitable Extinguishing Media: None known.

5.2. Special Hazards Arising From the Substance or Mixture

Fire Hazard: Decomposes above 132 °C (270 °F). Under conditions of fire this material may produce: Ammonia. Nitrogen oxides. Biuret. Cyanuric acid.

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.

Protection During Firefighting: Wear full fire-fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA). **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.

6.1.1. For Non-emergency Personnel

Protective Equipment: Wear suitable protective clothing, gloves and eye/face protection.

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.

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

6.2. Environmental Precautions

Avoid release to the environment.

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, shovelling 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.

6.4. Reference to Other Sections No additional information available

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.

Hygiene Measures: Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure.

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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.

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)

Fertilizer.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters

Limestone (1317-65-3)		
USA NIOSH	NIOSH REL (TWA) (mg/m³)	5 mg/m ³
USA OSHA	OSHA PEL (TWA) (mg/m³)	5 mg/m ³
Iron oxide (Fe	e2O3) (1309-37-1)	
USA ACGIH	ACGIH TWA (mg/m³)	5 mg/m ³
USA NIOSH	NIOSH REL (TWA) (mg/m³)	5 mg/m ³
USA IDLH	US IDLH (mg/m ³)	2500 mg/m ³
USA OSHA	OSHA PEL (TWA) (mg/m³)	5 mg/m ³

8.2. Exposure Controls

Appropriate Engineering Controls Personal Protective Equipment

- : Ensure all national/local regulations are observed.
- : Gloves. Protective clothing. Insufficient ventilation: wear respiratory protection. For particulates and dust: Safety glasses.



: Ensure adequate ventilation, especially in confined areas.

Hand Protection	: protective gloves.
Eye Protection	: 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.

Environmental Exposure Controls

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties	
Physical State	: Solid
Appearance	: Granules. Multi-colored.
Color	: White
Odor	: Slight. Pungent.
Odor Threshold	: No data available
рН	: No data available
pH solution	: 10 %
Relative Evaporation Rate (butylacetate=1)	: No data available
Melting Point	: No data available
Freezing Point	: No data available
Boiling Point	: No data available
Flash Point	: No data available
Auto-ignition Temperature	: No data available
Decomposition Temperature	: No data available
Flammability (solid, gas)	: No data available
Vapor Pressure	: No data available
Relative Vapor Density at 20 °C	: No data available
Relative Density	: No data available
Density	: 45 (45 - 65) lb/ft ³
Solubility	: Water: Moderately

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Partition coefficient: n-octanol/water	: No data available
Viscosity	: No data available

9.2. Other Information No additional information available

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).

10.2 Chemical Stability: Stable at standard temperature and pressure.

10.3 Possibility of Hazardous Reactions: Hazardous polymerization will not occur.

10.4 Conditions to Avoid: Protect from moisture. Keep away from heat.

10.5 Incompatible Materials: May form explosive mixture if in contact with strong acid such as nitric or perchloric acids.

Avoid contact with : Strong oxidizers. Strong acids, bases. Nitrates. Hypochlorites. Perchlorates. Chlorides. Corrosive to copper and its alloys.

10.6 Hazardous Decomposition Products: Under conditions of fire this material may produce: Nitrogen oxides. Ammonia. Biuret. Carbon oxides (CO, CO2). Formaldehyde.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information On Toxicological Effects

Acute Toxicity: Not classified

Sulfuric acid, dipotassium salt (7778-80-5)		
LD50 Oral Rat	6600 mg/kg	
ATE (Oral)	6,600.00 mg/kg body weight	
Diammonium phosphate (7783-28-0)		
LD50 Oral Rat	6500 mg/kg	
LD50 Dermal Rabbit	> 7950 mg/kg	
ATE (Oral)	6,500.00 mg/kg body weight	
Potassium chloride (7447-40-7)		
LD50 Oral Rat	2600 mg/kg	
ATE (Oral)	2,600.00 mg/kg body weight	
Monoammonium phosphate (7722-76-1)		
LD50 Oral Rat	5750 mg/kg	
LD50 Dermal Rabbit	> 7940 mg/kg	
ATE (Oral)	5,750.00 mg/kg body weight	
Ammonium sulfate (7783-20-2)		
LD50 Oral Rat	> 2000 mg/kg	
Sulfur (7704-34-9)		
LD50 Oral Rat	> 3000 mg/kg	
LD50 Dermal Rabbit	> 2000 mg/kg	
LC50 Inhalation Rat	> 9.23 mg/l/4h	
Iron oxide (Fe2O3) (1309-37-1)		
LD50 Oral Rat	> 10000 mg/kg	
Urea, polymer with formaldehyde (9011-05-6)		
LC50 Inhalation Rat	> 167 mg/m ³ (Exposure time: 4 h)	
Ferrous sulfate (7720-78-7)		
	237 mg/kg	
Ferrous sulfate (7720-78-7)	237 mg/kg 237.00 mg/kg body weight	

Skin Corrosion/Irritation: Causes skin irritation.

Serious Eye Damage/Irritation: Causes serious eye irritation.

Respiratory or Skin Sensitization: May cause an allergic skin reaction.

Germ Cell Mutagenicity: Not classified

Carcinogenicity: Not classified

Iron oxide (Fe2O3) (1309-37-1)

IARC group

Reproductive Toxicity: Not classified

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Specific Target Organ Toxicity (Single Exposure): May cause respiratory irritation.

Specific Target Organ Toxicity (Repeated Exposure): Not classified

Aspiration Hazard: Not classified

Symptoms/Injuries After Inhalation: Overexposure may be irritating to the respiratory system.

Symptoms/Injuries After Skin Contact: May cause skin irritation.

Symptoms/Injuries After Eye Contact: May cause eye irritation.

Symptoms/Injuries After Ingestion: If a large quantity has been ingested : Abdominal pain. Diarrhea. Nausea. Vomiting.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

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Sulfuric acid, dipotassium salt (7778-80-5)	
LC50 Fish 1	653 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus)
EC50 Daphnia 1	890 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC 50 Fish 2	3550 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
Diammonium phosphate (7783-28-0)	
LC50 Fish 1	26.5 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)
LC 50 Fish 2	24.8 - 29.4 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [flow-through])
Potassium chloride (7447-40-7)	
LC50 Fish 1	1060 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
EC50 Daphnia 1	825 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC 50 Fish 2	750 - 1020 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 Daphnia 2	83 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
Ammonium sulfate (7783-20-2)	
LC50 Fish 1	5.2 (5.2 - 8.2) mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	14 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC 50 Fish 2	32.2 (32.2 - 41.9) mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [flow-
	through])
Sulfur (7704-34-9)	
LC50 Fish 1	866 mg/l (Exposure time: 96 h - Species: Brachydanio rerio [static])
LC 50 Fish 2	14 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
Magnesium sulfate (7487-88-9)	
LC50 Fish 1	2610 - 3080 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 Daphnia 1	266.4 - 417.3 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
Ferrous sulfate (7720-78-7)	
LC50 Fish 1	925 mg/l (Exposure time: 96 h - Species: Poecilia reticulata [static])
EC50 Daphnia 1	152 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC 50 Fish 2	0.56 mg/l (Exposure time: 96 h - Species: Cyprinus carpio [semi-static])
EC50 Daphnia 2	6.15 - 9.26 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
Urea (57-13-6)	
LC50 Fish 1	16200 - 18300 mg/l (Exposure time: 96 h - Species: Poecilia reticulata)
EC50 Daphnia 1	3910 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
12.2. Persistence and Degradability	

LESCO Granular Fertilizer – All Analyses Persistence and Degradability May cause long-term adverse effects in the environment. This product is water soluble and eventually biodegrades into elemental nitrogen. Exess nitrogen and nitrates in a body of water will contribute to eutrophication with visible effects such as toxic algae bloom.

12.3. Bioaccumulative Potential

Diammonium phosphate (7783-28-0)	
BCF fish 1	(no bioaccumulation expected)
Monoammonium phosphate (7722-76-1)	
BCF fish 1	(no bioaccumulation expected)

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-5.1 (at 25 °C)
< 10
-1.59 (at 25 °C)

12.4. Mobility in Soil No additional information available

12.5. Other Adverse Effects

No additional information available

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Sewage Disposal Recommendations: This material is hazardous to the aquatic environment. Keep out of sewers and waterways. **Waste Disposal Recommendations:** Place in an appropriate container and dispose of the contaminated material at a licensed site.

Additional Information: Dispose of waste material in accordance with all local, regional, national, and international regulations.

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 US Federal Regulations

LESCO Granular Fertilizer – All Analyses				
SARA Section 311/312 Hazard Classes Immediate (acute) health hazard				
Sulfuric acid, dipotassium salt (7778-80-5)	Sulfuric acid, dipotassium salt (7778-80-5)			
Listed on the United States TSCA (Toxic Substances Contro	ol Act) inventory			
Diammonium phosphate (7783-28-0)				
Listed on the United States TSCA (Toxic Substances Contro	ol Act) inventory			
Potassium chloride (7447-40-7)				
Listed on the United States TSCA (Toxic Substances Contro	bl Act) inventory			
Monoammonium phosphate (7722-76-1)				
Listed on the United States TSCA (Toxic Substances Contro	bl Act) inventory			
Ammonium sulfate (7783-20-2)				
Listed on the United States TSCA (Toxic Substances Contro	bl Act) inventory			
Limestone (1317-65-3)				
Listed on the United States TSCA (Toxic Substances Contro	bl Act) inventory			
Sulfur (7704-34-9)				
Listed on the United States TSCA (Toxic Substances Control Act) inventory				
Iron oxide (Fe2O3) (1309-37-1)				
Listed on the United States TSCA (Toxic Substances Control Act) inventory				
Urea, polymer with formaldehyde (9011-05-6)				
Listed on the United States TSCA (Toxic Substances Control Act) inventory				
Magnesium sulfate (7487-88-9)				
Listed on the United States TSCA (Toxic Substances Control Act) inventory				
Ferrous sulfate (7720-78-7)				
Listed on the United States TSCA (Toxic Substances Control Act) inventory				
Manganese oxide (Mn3O4) (1317-35-7)				
Listed on the United States TSCA (Toxic Substances Control Act) inventory				
Urea (57-13-6)				
Listed on the United States TSCA (Toxic Substances Control Act) inventory				

15.2 US State Regulations

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

Ammonium sulfate (7783-20-2)	
U.S Massachusetts - Right To Know List	
U.S Pennsylvania - RTK (Right to Know) - Environme	ental Hazard List
U.S Pennsylvania - RTK (Right to Know) List	
Limestone (1317-65-3)	
U.S Massachusetts - Right To Know List	
U.S New Jersey - Right to Know Hazardous Substan	ce List
U.S Pennsylvania - RTK (Right to Know) List	
Sulfur (7704-34-9)	
U.S Massachusetts - Right To Know List	
U.S New Jersey - Right to Know Hazardous Substan	ce List
U.S Pennsylvania - RTK (Right to Know) List	
Iron oxide (Fe2O3) (1309-37-1)	
U.S Massachusetts - Right To Know List	
U.S New Jersey - Right to Know Hazardous Substan	CE LIST
U.S Pennsylvania - RTK (Right to Know) List	
Ferrous sulfate (7720-78-7)	
U.S Massachusetts - Right To Know List	co Lict
U.S New Jersey - Right to Know Hazardous Substan U.S Pennsylvania - RTK (Right to Know) - Environme	
U.S Pennsylvania - RTK (Right to Know) List	
Manganese oxide (Mn3O4) (1317-35-7)	
U.S Massachusetts - Right To Know List	
U.S New Jersey - Right to Know Hazardous Substan	re list
U.S Pennsylvania - RTK (Right to Know) List	
	ING DATE OF PREPARATION OR LAST REVISION
SECTION 10: OTTEN INFORMATION, INCLUD	
Devision data	
Revision date	: 9/20/2019 This document has been prepared in accordance with the SDS
Revision date Other Information	: This document has been prepared in accordance with the SDS
	: This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR
	: This document has been prepared in accordance with the SDS
Other Information GHS Full Text Phrases:	: This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.
Other Information GHS Full Text Phrases: Acute Tox. 4 (Oral)	 This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200. Acute toxicity (oral) Category 4
Other Information GHS Full Text Phrases: Acute Tox. 4 (Oral) Aquatic Acute 1	 This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200. Acute toxicity (oral) Category 4 Hazardous to the aquatic environment - Acute Hazard Category 1
Other Information GHS Full Text Phrases: Acute Tox. 4 (Oral) Aquatic Acute 1 Aquatic Acute 2	 This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200. Acute toxicity (oral) Category 4 Hazardous to the aquatic environment - Acute Hazard Category 1 Hazardous to the aquatic environment - Acute Hazard Category 2
Other Information GHS Full Text Phrases: Acute Tox. 4 (Oral) Aquatic Acute 1 Aquatic Acute 2 Aquatic Acute 3	 This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200. Acute toxicity (oral) Category 4 Hazardous to the aquatic environment - Acute Hazard Category 1 Hazardous to the aquatic environment - Acute Hazard Category 2 Hazardous to the aquatic environment - Acute Hazard Category 3
Other Information GHS Full Text Phrases: Acute Tox. 4 (Oral) Aquatic Acute 1 Aquatic Acute 2 Aquatic Acute 3 Aquatic Chronic 3	 This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200. Acute toxicity (oral) Category 4 Hazardous to the aquatic environment - Acute Hazard Category 1 Hazardous to the aquatic environment - Acute Hazard Category 2 Hazardous to the aquatic environment - Acute Hazard Category 3 Hazardous to the aquatic environment - Chronic Hazard Category 3
Other Information GHS Full Text Phrases: Acute Tox. 4 (Oral) Aquatic Acute 1 Aquatic Acute 2 Aquatic Acute 3 Aquatic Chronic 3 Comb. Dust	 This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200. Acute toxicity (oral) Category 4 Hazardous to the aquatic environment - Acute Hazard Category 1 Hazardous to the aquatic environment - Acute Hazard Category 2 Hazardous to the aquatic environment - Acute Hazard Category 3 Hazardous to the aquatic environment - Chronic Hazard Category 3 Combustible Dust
Other Information GHS Full Text Phrases: Acute Tox. 4 (Oral) Aquatic Acute 1 Aquatic Acute 2 Aquatic Acute 3 Aquatic Chronic 3 Comb. Dust Eye Irrit. 2A	 This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200. Acute toxicity (oral) Category 4 Hazardous to the aquatic environment - Acute Hazard Category 1 Hazardous to the aquatic environment - Acute Hazard Category 2 Hazardous to the aquatic environment - Acute Hazard Category 3 Hazardous to the aquatic environment - Chronic Hazard Category 3 Combustible Dust Serious eye damage/eye irritation Category 2A
Other Information GHS Full Text Phrases: Acute Tox. 4 (Oral) Aquatic Acute 1 Aquatic Acute 2 Aquatic Acute 3 Aquatic Chronic 3 Comb. Dust Eye Irrit. 2A Eye Irrit. 2B	 This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200. Acute toxicity (oral) Category 4 Hazardous to the aquatic environment - Acute Hazard Category 1 Hazardous to the aquatic environment - Acute Hazard Category 2 Hazardous to the aquatic environment - Acute Hazard Category 3 Hazardous to the aquatic environment - Chronic Hazard Category 3 Combustible Dust Serious eye damage/eye irritation Category 2B
Other Information GHS Full Text Phrases: Acute Tox. 4 (Oral) Aquatic Acute 1 Aquatic Acute 2 Aquatic Acute 3 Aquatic Chronic 3 Comb. Dust Eye Irrit. 2A Eye Irrit. 2B Flam. Sol. 2	 This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200. Acute toxicity (oral) Category 4 Hazardous to the aquatic environment - Acute Hazard Category 1 Hazardous to the aquatic environment - Acute Hazard Category 2 Hazardous to the aquatic environment - Acute Hazard Category 3 Hazardous to the aquatic environment - Chronic Hazard Category 3 Combustible Dust Serious eye damage/eye irritation Category 2B Flammable solids Category 2
Other Information GHS Full Text Phrases: Acute Tox. 4 (Oral) Aquatic Acute 1 Aquatic Acute 2 Aquatic Acute 3 Aquatic Chronic 3 Comb. Dust Eye Irrit. 2A Eye Irrit. 2B Flam. Sol. 2 Skin Irrit. 2	 This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200. Acute toxicity (oral) Category 4 Hazardous to the aquatic environment - Acute Hazard Category 1 Hazardous to the aquatic environment - Acute Hazard Category 2 Hazardous to the aquatic environment - Acute Hazard Category 3 Hazardous to the aquatic environment - Chronic Hazard Category 3 Combustible Dust Serious eye damage/eye irritation Category 2B Flammable solids Category 2 Skin corrosion/irritation Category 2
Other Information GHS Full Text Phrases: Acute Tox. 4 (Oral) Aquatic Acute 1 Aquatic Acute 2 Aquatic Acute 3 Aquatic Chronic 3 Comb. Dust Eye Irrit. 2A Eye Irrit. 2B Flam. Sol. 2 Skin Irrit. 2 Skin Sens. 1	 This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200. Acute toxicity (oral) Category 4 Hazardous to the aquatic environment - Acute Hazard Category 1 Hazardous to the aquatic environment - Acute Hazard Category 2 Hazardous to the aquatic environment - Acute Hazard Category 3 Hazardous to the aquatic environment - Acute Hazard Category 3 Combustible Dust Serious eye damage/eye irritation Category 2B Flammable solids Category 2 Skin corrosion/irritation Category 2 Skin sensitization Category 1
Other Information GHS Full Text Phrases: Acute Tox. 4 (Oral) Aquatic Acute 1 Aquatic Acute 2 Aquatic Acute 3 Aquatic Chronic 3 Comb. Dust Eye Irrit. 2A Eye Irrit. 2B Flam. Sol. 2 Skin Irrit. 2 Skin Sens. 1 STOT SE 3	 This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200. Acute toxicity (oral) Category 4 Hazardous to the aquatic environment - Acute Hazard Category 1 Hazardous to the aquatic environment - Acute Hazard Category 2 Hazardous to the aquatic environment - Acute Hazard Category 3 Hazardous to the aquatic environment - Chronic Hazard Category 3 Combustible Dust Serious eye damage/eye irritation Category 2B Flammable solids Category 2 Skin corrosion/irritation Category 2 Skin sensitization Category 1 Specific target organ toxicity (single exposure) Category 3
Other Information GHS Full Text Phrases: Acute Tox. 4 (Oral) Aquatic Acute 1 Aquatic Acute 2 Aquatic Acute 3 Aquatic Chronic 3 Comb. Dust Eye Irrit. 2A Eye Irrit. 2B Flam. Sol. 2 Skin Irrit. 2 Skin Sens. 1 STOT SE 3 H228	 This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200. Acute toxicity (oral) Category 4 Hazardous to the aquatic environment - Acute Hazard Category 1 Hazardous to the aquatic environment - Acute Hazard Category 2 Hazardous to the aquatic environment - Acute Hazard Category 3 Hazardous to the aquatic environment - Acute Hazard Category 3 Hazardous to the aquatic environment - Chronic Hazard Category 3 Combustible Dust Serious eye damage/eye irritation Category 2B Flammable solids Category 2 Skin corrosion/irritation Category 2 Skin sensitization Category 1 Specific target organ toxicity (single exposure) Category 3
Other Information GHS Full Text Phrases: Acute Tox. 4 (Oral) Aquatic Acute 1 Aquatic Acute 2 Aquatic Acute 3 Aquatic Chronic 3 Comb. Dust Eye Irrit. 2A Eye Irrit. 2B Flam. Sol. 2 Skin Irrit. 2 Skin Sens. 1 STOT SE 3 H228 H232	 This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200. Acute toxicity (oral) Category 4 Hazardous to the aquatic environment - Acute Hazard Category 1 Hazardous to the aquatic environment - Acute Hazard Category 2 Hazardous to the aquatic environment - Acute Hazard Category 3 Hazardous to the aquatic environment - Acute Hazard Category 3 Hazardous to the aquatic environment - Chronic Hazard Category 3 Combustible Dust Serious eye damage/eye irritation Category 2B Flammable solids Category 2 Skin corrosion/irritation Category 2 Skin sensitization Category 1 Specific target organ toxicity (single exposure) Category 3 Flammable solid May form combustible dust concentrations in air
Other Information GHS Full Text Phrases: Acute Tox. 4 (Oral) Aquatic Acute 1 Aquatic Acute 2 Aquatic Acute 3 Aquatic Chronic 3 Comb. Dust Eye Irrit. 2A Eye Irrit. 2B Flam. Sol. 2 Skin Irrit. 2 Skin Sens. 1 STOT SE 3 H232 H302	 This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200. Acute toxicity (oral) Category 4 Hazardous to the aquatic environment - Acute Hazard Category 1 Hazardous to the aquatic environment - Acute Hazard Category 2 Hazardous to the aquatic environment - Acute Hazard Category 3 Hazardous to the aquatic environment - Acute Hazard Category 3 Hazardous to the aquatic environment - Chronic Hazard Category 3 Combustible Dust Serious eye damage/eye irritation Category 2B Flammable solids Category 1 Skin corrosion/irritation Category 2 Skin sensitization Category 1 Specific target organ toxicity (single exposure) Category 3 Flammable solid May form combustible dust concentrations in air Harmful if swallowed
Other Information GHS Full Text Phrases: Acute Tox. 4 (Oral) Aquatic Acute 1 Aquatic Acute 2 Aquatic Acute 3 Aquatic Chronic 3 Comb. Dust Eye Irrit. 2A Eye Irrit. 2B Flam. Sol. 2 Skin Irrit. 2 Skin Sens. 1 STOT SE 3 H228 H232	 This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200. Acute toxicity (oral) Category 4 Hazardous to the aquatic environment - Acute Hazard Category 1 Hazardous to the aquatic environment - Acute Hazard Category 2 Hazardous to the aquatic environment - Acute Hazard Category 3 Hazardous to the aquatic environment - Acute Hazard Category 3 Hazardous to the aquatic environment - Chronic Hazard Category 3 Combustible Dust Serious eye damage/eye irritation Category 2B Flammable solids Category 2 Skin corrosion/irritation Category 2 Skin sensitization Category 1 Specific target organ toxicity (single exposure) Category 3 Flammable solid May form combustible dust concentrations in air
Other Information GHS Full Text Phrases: Acute Tox. 4 (Oral) Aquatic Acute 1 Aquatic Acute 2 Aquatic Acute 3 Aquatic Chronic 3 Comb. Dust Eye Irrit. 2A Eye Irrit. 2B Flam. Sol. 2 Skin Irrit. 2 Skin Sens. 1 STOT SE 3 H232 H302	 This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200. Acute toxicity (oral) Category 4 Hazardous to the aquatic environment - Acute Hazard Category 1 Hazardous to the aquatic environment - Acute Hazard Category 2 Hazardous to the aquatic environment - Acute Hazard Category 3 Hazardous to the aquatic environment - Acute Hazard Category 3 Hazardous to the aquatic environment - Chronic Hazard Category 3 Combustible Dust Serious eye damage/eye irritation Category 2B Flammable solids Category 1 Skin corrosion/irritation Category 2 Skin sensitization Category 1 Specific target organ toxicity (single exposure) Category 3 Flammable solid May form combustible dust concentrations in air Harmful if swallowed
Other Information GHS Full Text Phrases: Acute Tox. 4 (Oral) Aquatic Acute 1 Aquatic Acute 2 Aquatic Acute 3 Aquatic Chronic 3 Comb. Dust Eye Irrit. 2A Eye Irrit. 2B Flam. Sol. 2 Skin Irrit. 2 Skin Sens. 1 STOT SE 3 H228 H302 H315	 This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200. Acute toxicity (oral) Category 4 Hazardous to the aquatic environment - Acute Hazard Category 1 Hazardous to the aquatic environment - Acute Hazard Category 2 Hazardous to the aquatic environment - Acute Hazard Category 3 Hazardous to the aquatic environment - Acute Hazard Category 3 Combustible Dust Serious eye damage/eye irritation Category 2A Serious eye damage/eye irritation Category 2B Flammable solids Category 1 Specific target organ toxicity (single exposure) Category 3 Flammable solid May form combustible dust concentrations in air Harmful if swallowed Causes skin irritation
Other Information GHS Full Text Phrases: Acute Tox. 4 (Oral) Aquatic Acute 1 Aquatic Acute 2 Aquatic Acute 3 Aquatic Chronic 3 Comb. Dust Eye Irrit. 2A Eye Irrit. 2B Flam. Sol. 2 Skin Irrit. 2 Skin Sens. 1 STOT SE 3 H228 H302 H315 H317	 This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200. Acute toxicity (oral) Category 4 Hazardous to the aquatic environment - Acute Hazard Category 1 Hazardous to the aquatic environment - Acute Hazard Category 2 Hazardous to the aquatic environment - Acute Hazard Category 3 Hazardous to the aquatic environment - Acute Hazard Category 3 Combustible Dust to the aquatic environment - Chronic Hazard Category 3 Serious eye damage/eye irritation Category 2A Serious eye damage/eye irritation Category 2B Flammable solids Category 1 Specific target organ toxicity (single exposure) Category 3 Flammable solid May form combustible dust concentrations in air Harmful if swallowed Causes skin irritation May cause an allergic skin reaction
Other Information GHS Full Text Phrases: Acute Tox. 4 (Oral) Aquatic Acute 1 Aquatic Acute 2 Aquatic Acute 3 Aquatic Chronic 3 Comb. Dust Eye Irrit. 2A Eye Irrit. 2B Flam. Sol. 2 Skin Irrit. 2 Skin Sens. 1 STOT SE 3 H232 H315 H317 H319	 This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200. Acute toxicity (oral) Category 4 Hazardous to the aquatic environment - Acute Hazard Category 1 Hazardous to the aquatic environment - Acute Hazard Category 2 Hazardous to the aquatic environment - Acute Hazard Category 3 Hazardous to the aquatic environment - Acute Hazard Category 3 Combustible Dust ot the aquatic environment - Chronic Hazard Category 3 Serious eye damage/eye irritation Category 2A Serious eye damage/eye irritation Category 2B Flammable solids Category 2 Skin corrosion/irritation Category 2 Skin sensitization Category 1 Specific target organ toxicity (single exposure) Category 3 Flammable solid May form combustible dust concentrations in air Harmful if swallowed Causes skin irritation May cause an allergic skin reaction Causes serious eye irritation
Other Information GHS Full Text Phrases: Acute Tox. 4 (Oral) Aquatic Acute 1 Aquatic Acute 2 Aquatic Acute 3 Aquatic Chronic 3 Comb. Dust Eye Irrit. 2A Eye Irrit. 2B Flam. Sol. 2 Skin Irrit. 2 Skin Sens. 1 STOT SE 3 H228 H302 H315 H317 H319 H320	 This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200. Acute toxicity (oral) Category 4 Hazardous to the aquatic environment - Acute Hazard Category 1 Hazardous to the aquatic environment - Acute Hazard Category 2 Hazardous to the aquatic environment - Acute Hazard Category 3 Hazardous to the aquatic environment - Acute Hazard Category 3 Hazardous to the aquatic environment - Chronic Hazard Category 3 Combustible Dust Serious eye damage/eye irritation Category 2A Serious eye damage/eye irritation Category 2B Flammable solids Category 1 Specific target organ toxicity (single exposure) Category 3 Flammable solid May form combustible dust concentrations in air Harmful if swallowed Causes skin irritation May cause an allergic skin reaction Causes serious eye irritation May cause respiratory irritation
Other Information GHS Full Text Phrases: Acute Tox. 4 (Oral) Aquatic Acute 1 Aquatic Acute 2 Aquatic Chronic 3 Comb. Dust Eye Irrit. 2A Eye Irrit. 2B Flam. Sol. 2 Skin Irrit. 2 Skin Sens. 1 STOT SE 3 H228 H315 H317 H319 H320 H335	 This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200. Acute toxicity (oral) Category 4 Hazardous to the aquatic environment - Acute Hazard Category 1 Hazardous to the aquatic environment - Acute Hazard Category 2 Hazardous to the aquatic environment - Acute Hazard Category 3 Hazardous to the aquatic environment - Acute Hazard Category 3 Hazardous to the aquatic environment - Acute Hazard Category 3 Combustible Dust to the aquatic environment - Chronic Hazard Category 3 Serious eye damage/eye irritation Category 2A Serious eye damage/eye irritation Category 2B Flammable solids Category 1 Specific target organ toxicity (single exposure) Category 3 Flammable solid May form combustible dust concentrations in air Harmful if swallowed Causes skin irritation May cause an allergic skin reaction Causes serious eye irritation Causes eye irritation

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H402	Harmful to aquatic life	
H412	Harmful to aquatic life with long lasting effects	
NFPA Health Hazard	: 2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given.	
NFPA Fire Hazard	: 0 - Materials that will not burn.	
NFPA Reactivity	: 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.	

IMPORTANT: LESCO urges each customer or recipient of this Safety Data Sheet (SDS) to study it carefully and consult appropriate expertise, as necessary or appropriate, to become aware of and understand the data contained in this SDS and any hazards associated with the product. The information herein is provided in good faith and is based on our current knowledge. However, no warranty, express or implied, is given. Regulatory requirements are subject to change and may differ between various locations and jurisdictions. It is the buyer's/user's responsibility to ensure that his or her activities comply with all federal, state, provincial and local laws. The information presented here pertains only to the product as shipped. It is the buyer's/user's duty to determine the conditions necessary for safe use of this product.

The SDS serves different purposes than, and DOES NOT REPLACE OR MODIFY, THE EPA APPROVED PRODUCT LABELING (attached to and accompanying the product container). Use, storage and disposal of pesticide products are regulated by the EPA under the authority of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) through the product labeling, and all necessary and appropriate precautionary, use, storage, and disposal information is set forth on that labeling.

It is a violation of federal law to use a pesticide product in any manner not prescribed on the EPA-approved label.

SDS US (GHS HazCom)



ACTIVE INGREDIENTS:

MCPA, 2-ethylhexyl ester.	41.98%
Mecoprop-p acid	5.39%
Dicamba acid	2.69%
Carfentrazone-ethyl	
OTHER INGREDIENTS:	49.46%
TOTAL	100.00%

THIS PRODUCT CONTAINS:

2.21 lbs. 2-methyl-4-chlorophenoxyacetic acid equivalent per gallon or 26.92%

0.44 lb. (-)-R-2-(2-methyl-4-chlorophenoxy) propionic acid equivalent per gallon or 5.39%.
 0.22 lb. 3,6-dichloro-o-anisic acid equivalent per gallon or 2.69%.
 0.04 lb. Ethyl α,2-dichloro-5-[4(difluoromethyl)-4,5-dihydro-3-methyl-5-oxo-1H-

1,2,4-triazol-1-yl]-4-fluorobenzenepropanoate per gallon or 0.48%

Contains petroleum distillates.

KEEP OUT OF REACH OF CHILDREN CAUTION

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



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

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

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

Personal Protective Equipment (PPE)

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

Mixers, loaders, applicators, and other handlers must wear: • Long-sleeved shirt and long pants,

- · Shoes plus socks, and
- Chemical-resistant gloves

User Safety Requirements

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

Engineering Control Statements

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

User Safety Recommendations

- Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- · Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- · Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

First Aid	
lf swallowed:	 Call a poison control center or doctor immediately fo treatment advice. Do not induce vomiting unless told to by a poisor 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 eye. Call a poison control center or doctor for treatment advice.
If on skin or on clothing:	 Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
lf 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.

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

Environmental Hazards

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

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

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

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

Agricultural Use Requirements

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170.

This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restrictedentry interval (REI) of 48 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water is:

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

Non-Agricultural Use Requirements

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

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

PRODUCT DESCRIPTION:

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

PowerZone offers these advantages:

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

SPRAY PREPARATION AND TANK MIXTURES:

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

Water as diluent:

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

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

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

Liquid fertilizers as diluents:

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

GROUND EQUIPMENT:

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

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

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

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

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

Do not apply by air.

WHERE TO USE:

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

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

Prohibitions of Sites:

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

Turfgrass tolerance:

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

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

Cool Season Turf

Kentucky bluegrass Annual bluegrass

Annual ryegrass Perennial ryegrass

Tall fescue

Red or fine leaf fescues

Mixtures of cool season species in noncropland areas established for roadside vegetation management or for low maintenance. (Kentucky bluegrass, tall fescue, smooth bromegrass, and orchardgrass)

Warm Season Turf

Common bermudagrass Hybrid bermudagrass Zoysiagrass

APPLICATION SCHEDULES:

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

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

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

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

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

For newly seeded areas:

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

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

For dormant turf:

Applications to dormant bermudagrass, and dormant zoysiagrass are suggested. Prohibitions for application schedules:

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

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

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

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

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

Limitations on broadcast treatments for turfgrass on all use sites:

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

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

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

Limitations on spot treatments for turfgrass on all use sites:

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

Tank Mixtures:

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

CULTURAL TIPS FOR IMPROVED CONTROL:

Irrigation:

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

Mowing:

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

Reseeding interval:

Treated areas may be reseeded 2 weeks after application.

SPRAY DRIFT MANAGEMENT

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

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

Wind Speed

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

Additional requirements for ground boom application:

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

BROADLEAF WEEDS CONTROLLED:

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

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

*Synonyms

BROADLEAF WEEDS

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 ivv Poison oak

Prostrate knotweed (*knotweed) Puncturevine Purple cudweed Purslane Ragweed Redweed Red sorrel (*sheep sorrel) Roundleaf greenbriar Shepherd's purse Spotted spurge Spurge, prostrate Star-of-Bethlehem Sunflower Thistle Velvetleaf (*buttonweed) Venice mallow Veronica 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

STORAGE AND DISPOSAL

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

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

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

CONTAINER HANDLING: Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available, or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

(cont. on next page)

STORAGE AND DISPOSAL (cont.)

Triple rinse or pressure rinse container (or equivalent) promptly after emptying.

Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

OR

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

LIMITED WARRANTY AND DISCLAIMER

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

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

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

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

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

POWERZONE[®] and TRIMEC[®] are registered trademarks of PBI-Gordon Corporation. ® Checkered Flag/Label Design is a registered trademark of PBI-Gordon Corporation.

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



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

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



SAFETY DATA SHEET

Company Name

P.O. Box 860350

Shawnee, KS 66286

PBI Gordon Corporation

Issue Date 07-Nov-2014

Product identifier

Product Size

Revision Date 11-Jan-2019

PowerZone® Broadleaf Herbicide for Turf

Version 4

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

Product Name
Other means of identification
Product Code

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

Recommended use of the chemical and restrictions on use **Recommended Use** Herbicide. Uses advised against No information available.

Details of the supplier of the safety data sheet Supplier PBI Gordon Corporation P.O. Box 860350 Shawnee, KS 66286 Emergency telephone number **Emergency Telephone**

Manufacturer PBI Gordon Corporation P.O. Box 860350 Shawnee, KS 66286

Chemtrec 1-800-424-9300

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910,1200)

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

Label elements

Emergency Overview

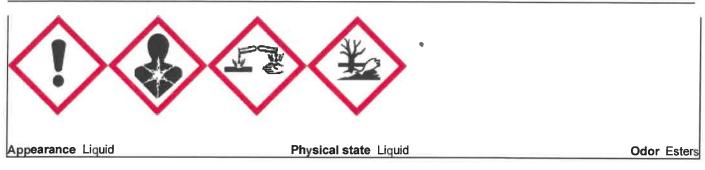
Danger

Hazard statements

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

Combustible liquid.

PBI FP 6531076 PowerZone® Broadleaf Herbicide for Turf



Precautionary Statements - Prevention

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

Precautionary Statements - Response

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

Precautionary Statements - Storage

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

Precautionary Statements - Disposal

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

Hazards not otherwise classified (HNOC)

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

Other information

3. COMPOSITION/INFORMATION ON INGREDIENTS

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

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

4. FIRST AID MEASURES

Description of first aid measures

General advice	lf symptoms persist, call a physician. Do not breathe dust/fume/gas/mist/vapors/spray. Do not get in eyes, on skin, or on clothing.	
Eye contact	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician.	
Skin Contact	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If skin irritation persists, call a physician.	
Inhalation	Move to fresh air in case of accidental inhalation of vapors or decomposition products. If breathing is irregular or stopped, administer artificial respiration. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. If symptoms persist, call a physician.	
Ingestion	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a physician immediately.	
Self-protection of the first aider	Use personal protective equipment as required.	
Most important symptoms and effects, both acute and delayed		
Symptoms	No information available.	
Indication of any immediate medical attention and special treatment needed		
Note to physicians	Contains petroleum distillate - vomiting may cause aspiration pneumonia.	
5 FIRE-FIGHTING MEASURES		

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Foam. Carbon dioxide (CO2). Dry chemical.

Specific hazards arising from the chemical

No information available.

Explosion data

Sensitivity to Mechanical Impact None. Sensitivity to Static Discharge None.

Protective equipment and precautions for firefighters

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

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

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

Environmental precautions

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

Methods and material for containment and cleaning up

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. Cover liquid spill with sand, earth or other non-combustible absorbent material. Pick up and transfer to properly labeled containers. Clean contaminated surface thoroughly. After cleaning, flush away traces with water.		
	7. HANDLING AND STORAGE		
Precautions for safe handling			
Advice on safe handling	Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Wash contarninated clothing before reuse. Do not breathe dust/fume/gas/mist/vapors/spray. Do not eat, drink or smoke when using this product. Use with local exhaust ventilation.		
Conditions for safe storage, includi	ng any incompatibilities		
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children. Keep in properly labeled containers. Keep from freezing.		
Incompatible materials	None known.		
8. EXPOSURE CONTROLS/PERSONAL PROTECTION			
Control parameters			
Exposure Guidelines Other Information	Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).		
Appropriate engineering controls			
Engineering Controls	Ensure adequate ventilation, especially in confined areas.		
Individual protection measures, such as personal protective equipment			
Eye/face protection	Tight sealing safety goggles. Face protection shield.		
Skin and body protection	Wear protective gloves and protective clothing.		
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	When using do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing is recommended.		
9	PHYSICAL AND CHEMICAL PROPERTIES		

Information on basic physical and chemical properties

Physical state Appearance Color	Liquid Liquid Amber	Odor Odor threshold
<u>Property</u> pH Melting point/freezing point Boiling point / boiling range	<u>Values</u> Not Applicable <35 °F > 93 °C / 200 °F	Remarks • Method
Flash point	> 93 °C / > 200 °F	Pensky-Martens Close

Esters No information available

sed Cup (PMCC)

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

No information available No information available No information available No information available >1 0.9813 Emulsifiable No information available No information available No information available No information available No information available

Other Information

Density

8.18 pounds/gallon

10. STABILITY AND REACTIVITY

Reactivity No data available

Chemical stability Stable.

Possibility of Hazardous Reactions None under normal processing.

Hazardous polymerization Will not occur.

Conditions to avoid Keep out of reach of children.

Incompatible materials None known.

Hazardous decomposition products

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

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Inhalation Irritant, moderate respiratory.

Eye contact Moderately irritating to the eyes.

Skin Contact Moderate skin irritation.

Ingestion Ingestion of large amounts can cause abdominal discomfort, nausea, and vomiting.

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

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

Information on toxicological effects

Symptoms

No information available.

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

Sensitization Germ cell mutagenicity Carcinogenicity May cause sensitization by skin contact. No information available. 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. The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	ACGIH	IARC	NTP	OSHA
MCPA EH Ester 29450-45-1		Group 2B		
R(+)2(2 Methyl-4-chlorophenoxy)pro pionic acid (MCPP) 16484-77-8		Group 2B		Х

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

Numerical measures of toxicity - Product Information

Unknown Toxicity	1 % of the mixture consists of ingredient(s) of unknown toxicity		
LD50 Oral VALUE (mg/kg) LD50 Dermal VALUE LC50 Inhalation (DUST) VALUE	> 2000 mg/kg Rat-male Rat-female > 2000 mg/kg Rat-female Rat-male > 2.06 mg/L Rat-male Rat-female		
The following values are calculated based on chapter 3.1 of the GHS document			

ATEmix (inhalation-gas) 2732 mg/L

12. ECOLOGICAL INFORMATION

Ecotoxicity

Very toxic to aquatic life with long lasting effects

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

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

Persistence and degradability No information available.

Bioaccumulation

No information available.

Other adverse effects

No information available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods	
Disposal of wastes	Disposal should be in accordance with applicable regional, national and local laws and regulations.
Contaminated packaging	Do not reuse container, unless specified by the manufacturer.

14. TRANSPORT INFORMATION

DOT	Not regulated
TDG	Not regulated
MEX	Not regulated
ICAO (air) UN/ID no. Proper shipping name Hazard class Packing group Special Provisions Description	UN3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. 9 III A97, A158, A197 UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (MCPA EH Ester, Carfentrazone-ethyl), 9, III
IATA_ UN number UN proper shipping name Transport hazard class(es) Packing group Special Provisions	Limited quantity applies with an inner packaging less than 5 L or gross package weight less than 30 kg. UN3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. 9 III A97, A158, A197

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

15. REGULATORY INFORMATION

U.S. EPA Label Information

EPA Pesticide Registration Number 2217-834

Federal Insecticide, Fungicide, Rodenticide Act Regulations

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

EPA Pesticide Label

Caution

Keep out of the reach of children

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

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

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

International Inventories

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

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

Trade Secret	Х	X	X		Х	X	X	Х
Trade Secret	Х	X			Х	X	X	Х
R(+)2(2 Methyl-4-chlorophenoxy)pro pionic acid (MCPP)			x					
3,6-Dichloro-o-anisic acid (Dicamba)			X	X		Х	X	Х
Carfentrazone-ethyl					Х			

US Federal Regulations

SARA 313

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

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

SARA 311/312 Hazard Categories

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

CWA (Clean Water Act)

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

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

CERCLA

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

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

US State Regulations

U.S. State Right-to-Know Regulations

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

International Regulations

Mexico - Grade

Moderate risk, Grade 2

16. OTHER INFORMATION

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

<u>Disclaimer</u>

The information provided in this Material Safety Data Sheet is correct to the best of PBI Gordon Corporation's knowledge, information and belief at the date of this publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process, unless specified in the text. PBI GORDON CORPORATION MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR COURSE OF PERFORMANCE OR USAGE OF TRADE. Given the variety of factors that can affect the use and application of this product, some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the product to determine whether it is fit for a particular purpose and suitable for user's method of use or application. Each user is also responsible for evaluating the conditions of use and designing the appropriate protective mechanisms to prevent employee exposures, property damage, or release to the environment. PBI Gordon Corporation assumes no responsibility for injury to the recipient or third persons, or for any damage to any property resulting from misuse of the product.

End of Safety Data Sheet



HERBICIDE

Preemergence Herbicide for the Control of Grasses, Annual Sedges and Broadleaf Weeds in Warm Season Turfgrass, Landscape Ornamentals, Hedgerows, Hardscapes, and Natural Areas DO NOT USE FOR THE MANUFACTURING OF FERTILIZER **KEEP OUT OF REACH** OTHER INGREDIENTS: 92.6% **OF CHILDREN** TOTAL: 100.0% For MEDICAL and TRANSPORTATION This product is a Suspension Concentrate containing Emergencies ONLY Call 24 Hours A 0.622 lb active ingredient per gallon. Day 1-800-334-7577 Shake well before use. For PRODUCT USE Information Call EPA Reg. No. 432-1608 1-800-331-2867 See Back Panel for First Aid Instructions and **Net Contents Booklet for Complete Precautionary Statements** 1 Gallon and Directions for Use

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	FIRST AID					
lf swallowed:	 Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person. 					
If in eyes:	Hold eyes open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, and then continue rinsing. Call a poison control center or doctor for treatment advice.					
lf on skin or clothing:	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.					
lf inhaled:	Move person to fresh air. If person is not breathing, call 911 or an ambulance, and then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.					
Have the p	roduct container or label with you when calling a poison control center or doctor or going for treatment.					

PRECAUTIONARY STATEMENTS

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear long-sleeved shirt and long pants, and shoes plus socks.

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

ENGINEERING CONTROLS STATEMENTS:

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

User Safety Recommendations

Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing/PPE immediately if pesticide gets inside. Then wash body thoroughly and put on clean clothing.

ENVIRONMENTAL HAZARDS

This product is toxic to fish, aquatic invertebrates, and plants. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean watermark. Do not contaminate water when disposing of equipment rinsate or washwater. This product may enter water through spary dirft or runoff. Follow directions for use to avoid spray dirft and runoff. A level well maintained vegetative buffer strip between areas to which this product is applied and surface water features including ponds, streams, and springs will reduce the potential for getting into water from rainfall-runoff. Runoff of this product will be reduced by avoiding applications when rainfall is forecasted to occur within 48 hours.

This product may enter water through spray drift. Follow precautions for use to avoid spray drift.

Surface Water Advisory: This pesticide may impact surface water quality due to runoff of rain water. This is especially true for poorly draining soils and soils with shallow ground water. This product is classified as having a high potential for reaching surface water via runoff for several months or more after application.

Ground Water Advisory: This pesticide has properties and characteristics associated with chemicals detected in ground water. This chemical may leach into ground water if used in areas where soils are permeable, particularly where the water table is shallow.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Read entire label before using this product.

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 (PPE) and restricted-entry intervals. 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 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is coveralls, waterproof gloves and 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. Keep unprotected persons out of the treated areas until sprays have dried.

PRODUCT INFORMATION

SPECTICLE FLO® HERBICIDE is a selective, preemergence alkylazine herbicide. SPECTICLE FLO HERBICIDE provides extended residual control of many annual grasses including crabgrass, goosegrass, and annual bluegrass, as well as annual sedges, and many broadleaf weeds. Use sites include residential, commercial, recreational, municipal, and institutional turf and ornamentals; roadsides; natural areas; non-bearing fruit and nut trees in residential plantings; sod farms; and hardscapes.

Use SPECTICLE FLO HERBICIDE on established warm season turf in areas including golf courses (roughs and fairways), sod farms, sports fields, residential and commercial lawns, parks, and cemeteries.

SPECTICLE FLO HERBICIDE controls weeds by reducing the emergence of seedlings through inhibition of cellulose biosynthesis (CB Inhibitor). Necrosis or yellowing may be observed if the herbicide is applied to herbaceous tissue such as leaves and green stems or at bud break of sensitive plants. SPECTICLE FLO HERBICIDE does not control plants emerging from tubers, rhizomes, hubbs, corms, or existing rootstocks.

SPECTICLE FLO HERBICIDE needs to be activated by rainfall or irrigation prior to weed germination for most effective preemergence control. SPECTICLE FLO HERBICIDE is a highly active herbicide that provides effective weed control when applied to the soil around many labeled landscape ornamentals. SPECTICLE FL0 HERBICIDE may damage sensitive plants, if the product is allowed to remain in contact with foliage. Carefully apply SPECTICLE FL0 HERBICIDE in strict accordance to the label.

PRODUCT USE RESTRICTIONS

- Do not exceed the maximum single application rates specified under each use.
- Do not exceed 18.5 fl oz per acre of SPECTICLE FLO HERBICIDE for all applications within a 12 month period.
- · Do not contaminate water intended for irrigation and domestic use.
- Do not apply within 25 feet of ponds, lakes, rivers, streams, wetlands and habitat containing aquatic and semi-aquatic plants when SPEC-TICLE FLO HERBICIDE is used on sod farms, golf courses, and non-crop areas (excluding residential lawns and commercial turf).
- Do not apply SPECTICLE FLO HERBICIDE through an irrigation or chemigation system.
- · Do not apply SPECTICLE FLO HERBICIDE by air.
- · SPECTICLE FLO HERBICIDE is not for sale, distribution, or use in Nassau County or Suffolk County in New York State.

DEACTIVATING SPECTICLE FLO HERBICIDE

Activated charccal has been shown to deactivate SPECTICLE FLO HERBICIDE if applied within several hours of application. Follow directions for the amount of charccal to apply on the label of the activated charccal.

SPRAY DRIFT MANAGEMENT

Spray equipment and weather affect spray drift. Consider all factors when making application decisions. Where states have more stringent regulations, they must be observed. Avoiding spray drift is the responsibility of the applicator. To reduce the potential for drift, the application equipment must be set to apply medium to very carse droplets (i.e., ASAE Standard 572) with corresponding spray pressure. Use high flow rate nozzles to apply the highest practical spray volume. With most nozzle types, narrower spray angles produce larger droplets. Follow the nozzle manufacturer's directions on pressure, orientation, spray volume, etc., in order to minimize drift and optimize coverage and control. Wind

Avoid making applications when spray particles may be carried by air currents to areas where sensitive crops and plants are growing. Do not spray near sensitive plants if wind is gusty, below 2 mph, or in excess of 10 mph and moving in the direction of adjacent areas of sensitive crops or plants. Do not apply during temperature inversions. Always make applications when there is some air movement to determine the direction and distance of possible spray drift.

Local terrain may influence wind patterns; the applicator must be familiar with local conditions and understand how they may impact spray drift. Boom or nozzle shielding can reduce the effects of wind or air currents on drift. Verify that the shields do not interfere with uniform deposition of product prior to application.

Temperature Inversion

A surface temperature inversion (i.e., increasing temperature with increasing altitude) greatly increases the potential for drift. Avoid application when conditions are favorable to inversion. Presence of ground fog is a good indicator of a surface temperature inversion.

Sensitive Areas

Sensitive areas to SPECITICE FLO HERBICIDE are defined as bodies of water (ponds, lakes, rivers, and streams), wetlands, habitats for endangered species, and non-labeled agricultural crop areas. Applicators must take all precautions necessary to keep spray drift from reaching sensitive areas.

Spray Drift Management

Make applications at the lowest height that safely permits uniform coverage of the soil and minimizes droplet evaporation. For use on golf courses and commercial lawns, the boom height must be no higher than 1-3 feet above the ground and nozzle tips must be set to spray out medium to very coarse spray droplets. Applications to residential lawns must be made by equipment that maintains coarse spray droplets (to reduce drift).

For use in landscape ornamentals, apply SPECTICLE FL0 HERBICIDE around dormant (prior to bud break) or actively growing plants. In either case, the spray must be directed at the base of the plant or away from the plant. Do not allow SPECTICLE FL0 HERBICIDE to come in contact with the foliage, as some leaf malformations or discoloration may occur. Minimize contact with above ground stems.

APPLICATION INFORMATION

Apply SPECTICLE FLO HERBICIDE with a properly calibrated sprayer according to the manufacturer's directions and check periodically to be certain that the equipment is working properly prior to each use. Uniform application is essential for satisfactory weed control. Avoid skips for the best weed control and overlapping application patterns to avoid plant injury.

Application Volume

Apply SPECTICLE FLO HERBICIDE in a minimum of 10 gallons of water per acre (1 quart of water per 1000 sq ft) and ensure adequate coverage for optimum weed control.

SOIL MOISTURE, IRRIGATION, AND RAINFALL AFTER APPLICATION

To activate SPECTICLE FLO HERBICIDE, irrigate lightly after application to move the herbicide into the soil. Rainfall within several days after application will negate the need to irrigate. Avoid application to saturated soil. Postpone application if rainfall that may cause visible run-off is anticipated.

TANK-MIX COMBINATIONS WITH SPECTICLE FLO HERBICIDE

It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

MIXING AND COMPATIBILITY

Mixing Instructions

Add SPECTICLE FLO HERBICIDE to the tank and agitate before adding another product. Mix the amount of SPECTICLE FLO HERBICIDE needed for immediate application needs. Settling can occur if the spray mixture is allowed to sit over an extended period of time. SPECTICLE FLO HERBICIDE is stable in spray solution for up to 48 hours after mixing. Re-agitate the spray solution before application.

Compatibility Testing With Other Pesticides

SPECTICLE FL0 HERBICIDE is compatible with many pesticides and liquid fertilizers. A compatibility test must be conducted with any potential tank-mix partner with SPECTICLE FL0 HERBICIDE. Using a clear container, conduct the test as described below:

- 1. Fill the container three-quarters full with water.
- Add the products to be tank-mixed in the following order: (a) wettable powders (b) dry flowable, (c) aqueous suspensions, (d) SPECTICLE FLO HERBICIDE*, (e) liquids, (f) solutions and emulsifiable liquid concentrates, (g) micronutrients and liquid fertilizers.
- 3. Shake or stir after each addition to mix thoroughly.
- After adding all ingredients, let the mixture stand for 15 minutes and look for separation, large flakes, precipitates, gels, and heavy oily film
 or other signs of incompatibility.
- 5. If the compatibility test shows signs of incompatibility, do not tank-mix the product tested with SPECTICLE FLO HERBICIDE.

*Note that a labeled spray rate for SPECTICLE FLO HERBICIDE must be used in any compatibility test. Dilute from a concentrated suspension, or sample from a properly diluted spray solution.

SPRAYER CLEANUP PROCEDURE

Spray equipment used to apply SPECTICLE FL0 HERBICIDE **must be cleaned prior to use on sensitive turf and landscape ornamentals,** or injury may result. Before and after using SPECTICLE FL0 HERBICIDE, triple rinse all mixing and spray equipment, including tanks, pumps, lines, filters, screens, and nozzles with a tank cleaner.

RESISTANCE MANAGEMENT

For resistance management, SPECTICLE FLO HERBICIDE contains a Group 29 herbicide (cellulose biosynthesis inhibitor). While no known resistance to SPECTICLE FLO HERBICIDE exists, any weed population may contain or develop plants naturally resistant to this product and other Group 29 herbicides. The resistant biotypes may dominate the weed population if these herbicides are used repeatedly in the same area. Appropriate resistance management strategies should be followed.

To delay herbicide resistance take one or more of the following steps:

- Rotate the use of SPECTICLE FLO HERBICIDE or other Group 29 herbicides within a growing season sequence or among growing seasons
 with different herbicide groups that control the same weeds.
- Use tank mixtures with herbicides from a different group if such use is permitted; where information on resistance in target weed species is available, use the less resistance-prone partner at a rate that will control the target weed(s) equally as well as the more resistance-prone partner. Consult your local extension service or pest control advisor if you are unsure as to which active ingredient is currently less prone to resistance.
- Adopt an integrated weed-management program for herbicide use that includes socuting and uses historical information related to herbicide use, and that considers mechanical control methods, cultural (e.g., timing to favor the turf and not the weeds), biological (weed-competitive varieties) and other management practices.
- Scout before and after herbicide application to monitor weed populations for early signs of resistance development. Indicators of possible herbicide resistance include: 1) failure to control a weed species normally controlled by the herbicide at the does applied, especially if control is achieved on adjacent weeds; 2) a spreading patch of non-controlled plants of a particular weed species; 3) surviving plants mixed with controlled individuals of the same species. If resistance is suspected, prevent weed seed production in the affect area by an alternative herbicide from a different group or by a mechanical method. Prevent movement of resistant weed seeds to other areas by cleaning equipment.
- If a weed pest population continues to progress after treatment with this product, discontinue use of this product, and switch to another
 management strategy or herbicide with a different mode of action, if available.
- Contact your local extension specialist or certified advisors for additional pesticide resistance-management and/or integrated weed-management recommendations for specific weed biotypes.
- For further information or to report suspected resistance contact Bayer CropScience at 1-866-99BAYER (1-866-992-2937). You can also
 contact your pesticide distributor or university extension specialist to report resistance.

DIRECTIONS FOR USE OF SPECTICLE FLO HERBICIDE ON TURF Use Restrictions for SPECTICLE FLO HERBICIDE on Turf

- · Do not apply to newly seeded turf.
- · Do not apply to golf course greens, tees, or collars.
- · Do not apply to slopes immediately above golf course greens.
- · Do not apply to weakened turf that requires significant fill-in or recovery.

USE OF SPECTICLE FLO HERBICIDE ON TURF IN COARSE AND SANDY SOILS

Soil conditions can affect the tolerance of turf to SPECTICLE FLO HERBICIDE. Coarse or sandy soils may allow for downward movement of SPECTICLE FLO HERBICIDE into the root zone and cause significant root damage and phytotoxicity. Coarse soils, for example, may include significant quantities of sand, gravel, decomposed granite, and ground cinders. Prior to application of SPECTICLE FLO HERBICIDE in these soils, confirm texture with a soil test. Turf grown in soil exceeding 80% sand or 20% gravel may be at risk. Low rate multiple applications of SPECTICLE FLO HERBICIDE may reduce the risk on these soils. Refer to use rates for the 'Split Application Programs' section of this label. If SPECTICLE FLO HERBICIDE is to be apolied on these soils. evaluate turf tolerance in treated soils prior to a large scale application.

Use of SPECTICLE FLO HERBICIDE on Weakened or Stressed Turf

SPECTICLE FL0 HERBICIDE controls weeds by inhibiting root development. Newly developing roots of desirable turf may be affected. Turf under stresses such as winterkill, spring dead spot, transitioning ryegrass, bermudagrass spring root decline, soil compaction, foliar and root diseases, nematodes, salt accumulation, shade, excessive foot or equipment traffic, newly verticut turf, and drought should be carefully evaluated before treatment. Application of SPECTICLE FL0 HERBICIDE to turf in these situations may delay turf recovery.

Application of SPECTICLE FLO HERBICIDE to stressed turf may produce symptoms of injury including yellowing, purple discoloration, thinning, and necrosis. If injury occurs, promote recovery through optimizing fertility and other cultural practices.

Turf Tolerance

Turf tolerance to SPECTICLE FLO HERBICIDE is acceptable on all labelled turf types and cultivars. Due to the large number of types and cultivars, it is impossible to test every one for tolerance to SPECTICLE FLO HERBICIDE. Neither the Manufacturer nor the Seller has determined whether or not SPECTICLE FLO HERBICIDE can be used safely on turf types and cultivars not specified on this label.

Before using on turf cultivars that are not listed on this label, the applicator must confirm tolerance by testing labelled rates on a small area prior to widespread use.

Tolerant turfgrasses

- Bermudagrass* (Cynodon dactylon) (and hybrids)-Baby, Celebration, Common**, Floratex, Tifsport, Tifton 10, Tifway 419, Princess, Vamont, Riviera, Yukon
- Zoysiagrass (Zoysia spp.)-Cavalier, Crowne, DeAnza, El Toro, Empire, Jamar, Meyer, Palisades, Zenith, Zeon
- · Centipedegrass* (Eremochloa ophiuroides)- Common, Tifblair
- St. Augustinegrass* (Stenotaphrum secundatum)-Captiva, Floratam, Floratine, Palmetto, Raleigh
- Buffalograss (Buchloe dactyloides)
- · Bahiagrass (Paspalum notatum)
- · Seashore paspalum (Paspalum vaginatum)
- * Application of SPECTICLE FLO HERBICIDE may temporarily inhibit the rooting of turfgrass stolons.

** Common or off-type Bermudagrass may show increased sensitivity to SPECTICLE FLO HERBICIDE compared to hybrids.

SPECTICLE FLO HERBICIDE may cause unacceptable injury to some turfgrasses. <u>Do not</u> use on the following turfgrasses or mixtures containing any of these grasses, unless thinning or removal is desired. For use on grasses in natural areas, see Natural Areas section on this label.

- Creeping bentgrass (Agrostis palustris)
- Colonial bentgrass (Agrostis capillaris)
- Annual bluegrass (Poa annua)
- · Roughstalk bluegrass (Poa trivialis)
- Fine fescue (Festuca rubra)
- Turf type tall fescue (Festuca arundinaceae)

- Kikuyugrass (Pennisetum clandestinum)
- Perennial ryegrass (Lolium perenne)
- Annual ryegrass (Lolium multiflorum)
- Kentucky bluegrass (Poa pratensis)
- Bermudagrass (Cynodon dactylon) Ormond

Maximum Single Application Rates for SPECTICLE FLO HERBICIDE on Warm Season Grasses

Turf Type	Application Rate Fluid Ounces of Product per Acre
Bermudagrass	10
Zoysiagrass	10
Buffalograss	10
Bahiagrass	10
St. Augustinegrass	6
Centipedegrass	6
Seashore Paspalum	8

Precautions for Use of SPECTICLE FLO HERBICIDE Near Sensitive Grasses

SPECTICLE FLO HERBICIDE applied uphill to sensitive grasses (such as overseeded ryegrass, roughstalk bluegrass (*Poa trivialis*), and bentgrass) can move and cause injury and stand reduction to adjacent sensitive grasses. Allow tur't to dry before allowing foot traffic or equipment through treated areas near sensitive grasses. For Lawn Care applications, SPECTICLE FLO HERBICIDE may be applied where labeled warm season grasses are adjacent to sensitive grasses such as tall fescue, Kentucky bluegrass, and perennial ryegrass. The applicator, however, must take care not to apply SPECTICLE FLO HERBICIDE directly to sensitive grasses.

If SPECTICLE FLO HERBICIDE contacts sensitive grasses, refer to the "DEACTIVATING SPECTICLE FLO HERBICIDE" section of this label.

USE RATES, TIMINGS, AND MAXIMUM SEASONAL RATE FOR SPECTICLE FILO HERBICIDE ON TURF Apply SPECTICLE FLO HERBICIDE in a single or split application program. The maximum single application rate of SPECTICLE FLO HERBICIDE is 10 floz per acre. The total amount of SPECTICLE FLO HERBICIDE applied in a 12-month period must not exceed 18.5 fl oz per acre.

SINGLE APPLICATION PROGRAM

Use higher rates within the rate range when the site has historically higher weed pressure or when longer residual control is desired. Use lower to medium rates on medium and coarse-textured soils, and higher rates on fine-textured soils.

Use Rates for Single Application of SPECTICLE FLO HERBICIDE

Target Weed		Rate Range (fl oz per acre) for SPECTICLE FLO (single application)
Crabgrass	Broadleaf weeds	
Goosegrass	Annual sedge and annual kyllinga	6-10
Annual bluegrass	Annual souge and dilliudi Kylliliyd	

SPLIT APPLICATION PROGRAMS

Split applications of SPECTICLE FLO HERBICIDE can be made in a use season to extend the length of control of specific weeds, to control weeds germinating over an extended period, or to control other weeds emerging during the same or overlapping period.

Use Rates for Split Applications of SPECTICLE FLO HERBICIDE

Target Weed	Rate Range (fl oz per acre) for SPECTICLE FLO HERBICIDE (initial application)	Rate Range (fl oz per acre) for SPECTICLE FLO HERBICIDE (follow-up application within 45-90 days)
Crabgrass		3 - 9
Goosegrass	3 - 9	3-9
Annual bluegrass		3 - 9
Broadleaf weeds	6.0	3 - 9
Annual sedge and annual kyllinga	6 - 9	6 - 9

For extended residual control, use split applications.

Use Rates for Three Split Applications of SPECTICLE FLO HERBICIDE

Target Weed	Rate Range (fl oz per acre) for SPECTICLE FLO HERBICIDE (initial application)	Rate Range (fl oz per acre) for SPECTICLE FLO HERBICIDE (follow-up application within 30-45 days)	Rate Range (fl oz per acre) for SPECTICLE FLO HERBICIDE (follow-up application within 30-45 days)	
Crabgrass		3 - 4.5	3 - 4.5	
Goosegrass	3 - 4.5			
Annual Bluegrass	3 - 4.0			
Broadleaf weeds				

GOOSEGRASS CONTROL

SPECTICLE FLO HEBRICIDE provides preemergence control of goosegrass emerging from seed. SPECTICLE FLO HEBRICIDE does not control perennial goosegrass or goosegrass emerging from existing crowns. If goosegrass is evident at the time of application, use a labeled postemergence herbicide for control of existing plants.

ANNUAL BLUEGRASS CONTROL

Make preemergence applications of SPECTICLE FLO HERBICIDE between August and November depending on annual bluegrass germination in each geographical zone. The optimum timing is dependent on peak annual bluegrass germination and local conditions in a particular year. BROADLEAF WEED CONTROL

SPECTICLE FLO HERBICIDE provides preemergence control of many broadleaf weeds. Control is affected by the size of the seed and the depth of the seed within the soil profile. Large seeded broadleaf weeds or weeds germinating deeper in the soil profile may not be effectively controlled by SPECTICLE FLO HERBICIDE.

ANNUAL SEDGES AND ANNUAL KYLLINGA CONTROL

SPECTICLE FLO HERBICIDE provides preemergence control of sedges and kylingas emerging from seed. SPECTICLE FLO HERBICIDE does not control established perennial sedges and kyllinga, or sedges emerging from tubers (nutlets) including yellow or purple nutsedge.

Dormant, Non-Overseeded Turf

Tank-mix combinations of SPECTICLE FLO HERBICIDE with a non-selective herbicide will control existing weeds in dormant warm season grasses such as bermudagrass and zoysiagrass.

SPECTICLE FLO HERBICIDE may be used in combination with RONSTAR® FLO HERBICIDE, REVOLVER HERBICIDE, CELSIUS® WG HERBICIDE or TRIBUTE TOTAL to provide broad-spectrum residual weed control. Follow use restrictions on all labels.

Non-Dormant, Non-Overseeded Turf

SPECTICLE FLO HERBICIDE cannot be used on warm season turf overseeded with cool season grasses. Tank-mix combinations of SPECTICLE FLO HERBICIDE with a selective postemergence herbicide such as REVOLVER HERBICIDE, CELSIUS WG HERBICIDE, or TRIBUTE TOTAL provide pre and postemergence control of weeds in non-overseeded, warm season turt common to both products. Follow use restrictions on all labels.

Weeds Controlled or Suppressed by SPECTICLE FLO HERBICIDE²

Broadleaf Weeds

American black nightshade	Solanum americanum	Dodder*	Cuscuta spp.
American burnweed (Fireweed)	Erechtites hieraciifolia	Dogfennel	Eupatorium capillifolium
Beggarticks	Bidens alba	Eclipta	Eclipta alba
Bittercress	Cardamine spp.	Evening primrose, Common	Oenothera biennis
Black medic1	Medicago lupulina	Evening primrose, Cutleaf	Oenothera laciniata
Buckwheat, Wild	Polygonum convolvulus	False chamomile1	Matricaria maritima
California burclover	Medicago polymorpha	Filaree, Redstem	Erodium cicutarium
Canada thistle, Common	Circium arvense	Florida pusley	Richardia scabra
Chamberbitter	Phyllanthus urinaria	Galinsoga	Galinsoga parviflora
Chickweed, Common	Stellaria media	Garden spurge	Chamaesyce hirta
Chickweed, Mouse-ear	Cerastium vulgatum	Groundsel, Common	Senecio vulgaris
Clover, White	Trifolium repens	Hairy fleabane	Erigeron bonariensis
Corn speedwell	Veronica arvensis	Hairy nightshade	Solanum sarrachoides
Cudweed, Linear-leaf/Purple	Gnaphalium purpureum	Henbit	Lamium amplexicaule
Cupid's shaving brush	Emilia fosbergii	Kochia	Kochia scoparia
Curly dock	Rumex crispus	Lambsquarters, Common	Chenopodium album
Dandelion, Cat's Ear	Hypochoeris radicata	Lawn burweed	Soliva sessilis
Dandelion, Common	Taraxacum officinale	Little mallow	Malva parviflora

Weeds Controlled or Suppressed by SPECTICLE FLO HERBICIDE ² (continued)						
Broadleaf Weeds						
London rocket ¹	Sisymbrium irio	Redmaids	Calandrinia ciliata			
Longstalked phyllanthus	Phyllanthus tenellus	Sesbania, Hemp ¹	Sesbania exaltata			
Mustard, Black ¹	Brassica nigra	Shepherd's-purse	Capsella bursa-pastoris			
Mustard, Short-pod	Hirschfeldia incana	Sida, Prickly/Teaweed1	Sida spinosa			
Mustard, Wild	Sinapis arvensis	Southern brassbuttons ¹	Cotula australis			
Parthenium	Parthenium hysterophorus	Sowthistle, Annual	Sonchus oleraceus			
Pigweed, Prostrate	Amaranthus blitoides	Spurge, Spotted	Euphorbia maculata			
Pigweed, Redroot	Amaranthus retroflexus	Stinkwort	Dittrichia graveolens			
Pink purslane	Claytonia sibirica	Sunflower ¹ , Common	Helianthus annuus			
Plantain, Buckhorn	Plantago lanceolata	Swinecress	Coronopus didymus			
Plantain, Paleseed	Plantago virginica	Tassel flower	Emilia sonchifolia			
Poinsettia, Wild	Euphorbia cyathophora	Tropic ageratum	Ageratum conyzoides			
Prostrate knotweed	Polygonum aviculare	Velvetleaf ¹	Abutilon theophrasti			
Prostrate spurge	Euphorbia maculata	Vetch, Purple	Vicia benghalensis			
Puncturevine	Tribulus terrestris	Wild carrot ¹	Daucus carota			
Purslane, Common	Portulaca oleracea	Willowherb	Epilobium brachycarpum			
Ragweed, Common ¹	Ambrosia artimisiifolia	Woodsorrel, Yellow ¹	Oxalis stricta			
GRASSES, MONOCOTS, AND	SEDGES					
Annual bluegrass	Poa annua	Foxtail brome	Bromus rubens			
Annual kyllinga ³	Cyperus sesquiflorus	Foxtail, Giant	Setaria faberi			
Barnyardgrass, Common	Echinochloa crus-galli	Foxtail, Green	Setaria viridis			
Cheatgrass	Bromus secalinus	Foxtail, Yellow	Pennisetum glaucum			
Crabgrass, Blanket	Digitaria serotina	Goosegrass	Eleusine indica			
Crabgrass, Henry	Digitaria ciliaris	Guineagrass	Panicum maximum			
Crabgrass, Large/Hairy	Digitaria sanguinalis	Kyllinga, Fragrant/Annual ³	Kyllinga odorata			
Crabgrass, Smooth	Digitaria ischaemum	Little barley	Hordium pusillum			
Doveweed	Murdannia nudiflora	Mouse barley	Hordeum murinum			
Fall panicum	Panicum dichotomiflorum	Red brome	Bromus rubens			

Weeds Controlled or Suppressed by SPECTICLE FLO HERBICIDE ² (continued)			
GRASSES, MONOCOTS, AND SEDGES			
Rice flatsedge ³	Cyperus iria	Sedge, Annual ³	Cyperus compressus
Ryegrass, Italian	Lolium multiflorum	Sedge, Globe ³	Cyperus croceus
Ryegrass, Perennial	Lolium perenne	Tufted lovegrass	Eragrostis pectinacea
Sandbur	Cenchrus longispinus		

*Not for use in California

1 Weeds suppressed by SPECTICLE FLO HERBICIDE

² Use higher labeled rates if weed pressure is historically high or longer residual control is desired (See Use Rates in the SPECTICLE FLO HERBICIDE chart). The rate used must not exceed the tolerance for an individual turt type. Weed control can also be achieved with multiple applications of SPECTICLE FLO HERBICIDE. Do not exceed a total of 18.5 fl oz per acree per year with split applications.

³ SPECTICLE FLO HERBICIDE only controls sedges and annual kyllinga emerging from seed. It does not control perennial sedge emerging from nutlets or perennial forms of kyllinga.

Seeding, Overseeding, Re-Seeding, Sprigging and Sodding

SPECTICLE FLO HERBICIDE can inhibit root development, as well as the emergence of seed. Roots of newly emerged seedlings may be damaged. Establishment of sod may be affected if SPECTICLE FLO HERBICIDE is applied to sod that is not well established. Timing of seeding, reseeding, overseeding, sprigging, and sodding turf relative to an application of SPECTICLE FLO HERBICIDE needs to be considered.

Seeding, overseeding, re-seeding, sprigging, and sodding intervals are affected by the rate of SPECTICLE FLO HERBICIDE applied, rainfall, and soil texture in a given year. Applications made sooner than the suggested intervals may decrease the establishment of the new seedlings and reduce turf coverage.

PLANTING METHOD	MINIMUM INTERVAL BEFORE APPLICATION	MINIMUM INTERVAL AFTER APPLICATION	MINIMUM INTERVAL AFTER APPLICATION
		3 - 6 FL OZ/A	> 6 - 10 FL OZ/A
Seeding	12 months	10 months	12 months
Sprigging	12 months	10 months	12 months
Sodding	4 months	6 months	8 months

APPLICATIONS ON SOD FARMS

SPECTICLE FLO HERBICIDE may be applied to turf on Bermudagrass, zoysiagrass, and bahiagrass sod farms. During new sod establishment, SPECTICLE FLO HERBICIDE may be applied when coverage from ribbons is 80% or greater.

Do not apply SPECTICLE FLO HERBICIDE to centipedegrass, seashore paspalum, or St. Augustinegrass sod.

SPECTICLE FLO HERBICIDE may be applied to sod up to 4 months prior to harvest.

LANDSCAPE ORNAMENTALS

SPECTICLE FLO HERBICIDE may be applied for preemergence weed control in landscape ornamentals, and hedgerows. Apply SPECTICLE FLO HERBICIDE as a directed spray, prior to weed seed germination to the soil surface around dormant or actively growing landscape ornamentals as listed in the table below. Apply SPECTICLE FLO HERBICIDE to established landscape ornamentals.

USE RESTRICTIONS

- · Do not exceed the maximum single application rates specified for each landscape ornamental use.
- Do not allow spray to contact foliage of desirable plant(s). SPECTICLE FL0 HERBICIDE may cause localized injury to the foliage, especially
 young leaf tissue. If the spray contacts the foliage, wash off immediately. See specific label instructions for over-the-top applications.
- . Do not use SPECTICLE FLO HERBICIDE on or around annuals not listed as tolerant on this label.
- Do not use SPECTICLE FL0 HERBICIDE around bearing fruit and nut trees. SPECTICLE FL0 HERBICIDE may be used around non-bearing fruit
 and nut trees. Non-bearing trees are defined as trees that will not bear fruit until at least 1 year after treatment.
- Do not use SPECTICLE FLO HERBICIDE around non-bearing fruit and nut trees unless they are at least 1 year old (citrus), 5 years old (grape vines) and 3 years old (all others).
- Do not use SPECTICLE FLO HERBICIDE within the dripline of bearing fruit and nut trees.
- · Do not cultivate or disturb the soil surface after application of SPECTICLE FLO HERBICIDE as this may reduce weed control.
- If transplanting mature plants listed as tolerant on this label into soil treated with SPECTICLE FLO HERBICIDE within the preceding 12 months, replace existing soil around roots to minimize effects on plant establishment.
- Do not use SPECTICLE FLO HERBICIDE on seedbeds, or rooted cuttings.
- Do not apply SPECTICLE FLO HERBICIDE to landscapes ornamentals growing in containers smaller than 15 gallons.
- Do not apply SPECTICLE FLO HERBICIDE over-the-top to landscape ornamentals. For Natural Areas, see label instructions for over-the-top applications.
- · Do not mix with products containing chlorine bleach.
- Do not apply to landscape beds uphill from ryegrass, fescue, bentgrass, or mixed lawns where these grasses are desirable.

USE PRECAUTIONS

- Avoid applying SPECTICLE FLO HERBICIDE to heavily mulched landscape beds, as reduced weed control may occur. For best results remove
 existing mulch and replace mulch after an application of SPECTICLE FLO HERBICIDE.
- · Application of SPECTICLE FLO HERBICIDE to budded grafts or graft unions may cause plant injury or plant death.

USE OF SPECTICLE FLO HERBICIDE ON LANDSCAPE ORNAMENTALS IN COARSE AND SANDY SOILS

Soil conditions can affect the tolerance of landscape ornamentals to SPECTICLE FLO HERBICIDE. Excessively coarse or sandy soils may allow for downward movement of SPECTICLE FLO HERBICIDE into the root zone and cause significant root damage and phytotoxicity. Coarse esoils, may include significant quantities of sand, gravel, decomposed granite, and ground cinders. Prior to application of SPECTICLE FLO HERBICIDE on these soils, confirm soil texture with a soil test. Landscape ornamentals grown in soil exceeding 90% sand or 20% gravel may be at risk. If SPECTICLE FLO HERBICIDE is to be applied in these soils, evaluate tolerance of a few plants of each landscape ornamental in SPECTICLE FLO HERBICIDE for L0 HERBICIDE treated soil for 1-2 months prior to a large scale application.

SYMPTOMS OF SPECTICLE FLO HERBICIDE INJURY ON LANDSCAPE ORNAMENTALS

SPECTICLE FLO HERBICIDE may injure sensitive landscape ornamentals by damaging roots or leaves. Plant foliage damaged by root absorption will appear stunted, deformed, and may not recover. If SPECTICLE FLO HERBICIDE is allowed to contact leaves, leaf symptoms including leaf spot, leaf discoloration, and leaf curl may appear. Symptoms appear within several days after application. Leaves formed after appearance of symptoms may recover.

LANDSCAPE ORNAMENTAL USES

SPECTICLE FLO HERBICIDE may be used in residential, commercial, as well as federal, state and local plantings of landscape ornamentals and hedgerows for preemergence weed control. Apply SPECTICLE FLO HERBICIDE as a directed spray around established (rooted) plants and not to newly rooted cuttings or seedings. To avoid root damage, apply SPECTICLE FLO HERBICIDE around transplants when the soil has firmly settled around the root area. Irrigation or rainfall will help to settle the soil and seal surface cracks. Make applications prior to mulching for best weed control. If SPECTICLE FLO HERBICIDE contacts foliage, wash off immediately to avoid damage. Herbaceous annuals and perennials are sensitive to SPECTICLE FLO HERBICIDE.

Use of SPECTICLE FLO HERBICIDE near Sensitive Grasses

CAUTION: SPECTICLE FLO HERBICIDE applied uphill to sensitive grasses can move, under certain circumstances, to sensitive grasses and cause injury and stand reduction.

AMOUNT TO USE: Apply SPECTICLE FLO HERBICIDE as a broadcast, directed spray at 6-12 fl oz/acre around landscape ornamentals. When applying SPECTICLE FLO HERBICIDE with a backpack sprayer, follow all above restrictions.

A subsequent application of SPECTICLE FL0 HERBICIDE can be made within 90 days after the initial application to extend weed control provided that the total SPECTICLE FL0 HERBICIDE applied does not exceed 18.5 fl oz per acre in a 12 month period.

COMBINATIONS OF SPECTICLE FLO HERBICIDE WITH NON-SELECTIVE HERBICIDES AROUND LANDSCAPE ORNAMENTALS Remove existing weed growth before application of SPECTICLE FLO HERBICIDE or use a postemergence herbicide labeled for control. SPECTICLE FLO HERBICIDE may be used in combination with a non-selective herbicide. Avoid contact of spray containing a non-selective herbicide with foliage, stems, green bark, or bare roots of turgrasses, trees, shrubs, or other desirable vegetation. If spraying areas adjacent to desirable plants with a non-selective herbicide, use a shield while spraying to help prevent spray from contacting foliage of desirable plants.

When tank-mixing with other products, it is the responsibility of the end-user/applicator to ensure that the tank-mix partner is registered in the state where the application is being made.

IMPORTANT: Direct application of SPECTICLE FLO HERBICIDE to the soil surface. Avoid direct spray contact on plant surfaces, foliage, and green bark. Avoid application under environmental conditions that favor drift to non-targeted areas. Deep cultivation reduces the effectiveness of SPECTICLE FLO HERBICIDE.

BACKPACK AND HANDHELD SPRAYER MIXING: SPECTICLE FLO HERBICIDE can be applied using backpack or handheld sprayers. For backpack or handheld spray applications, mix 1 teaspoon of SPECTICLE FLO HERBICIDE per gallon of water. Agitate the mixture to ensure good suspension. If adding glyphosate, mix SPECTICLE FLO HERBICIDE in first. Recommended spray volume is 40 - 100 gallons per acre or approximately 1 - 2.3 gallons per 1000 sq ft.

LANDSCAPE ORNAMENTALS AND THEIR CULTIVARS TOLERANT TO SPECTICLE FLO HER-BICIDE

Tolerant landscape ornamentals and their cultivars are listed in the following table. Apply as a directed spray around tolerant landscape ornamentals. If a desired plant to be treated is not listed on this label, treat several plants at the maximum use rate and evaluate 1 - 2 months later for acceptable tolerance. The user assumes responsibility for application to plants not listed on this label. Do not treat annuals that are not listed on this label.

Common Name	Scientific Name	Cultivar
Abelia	Abelia x grandiflora	Kaleidoscope
Acacia, Prostrate	Acacia redolens	Desert Carpet
Anise, Yellow	Illicium parviflorum	
Apple	Malus domestica	Beverly Hills, Ellsa, Golden Dorsett, Harelred, Honey
		Crisp, Mahaleb, Red Delicious, Winesap
Apricot	Prunus armeniaca	Tropic Gold
Arborvitae	Thuja occidentalis	Emerald, Green Giant, Green Flag, Nigra, Techny, Yellow
		Ribbon
Ash, (Southern) Green	Fraxinus pennsylvanica	Georgia Gem
Asparagus fern	Asparagus plumosus	-
Aspen, Quaking	Populus tremuloides	
Azalea	Rhododendron spp.	Delaware Valley White, Fashion, Florida Flame, Girard's
		Rose, Haps Pink, High Tide, Judge Solomon, Karen,
		Nova Zembla, Macarantha, Hino Crimson, Mother's Day,
		Pink Gumpo, Red Ruffle, VF 14, White Gumpo
Azalea	Rhododendron yakushimanum x smirnowii	Crete
Azalea, Cat album	Rhododendron chionoides	
Azalea, Encore	Rhododendron spp.	Autumn Debutante
Bamboo, Golden	Phyllostachys aurea	
Beech, American	Fagus grandifolia	
Birch, River	Betula nigra	Heritage
Birch, White	Betula platyphylla	Spire
Bird of Paradise	Strelitizia reginae	
Bird of Paradise, White	Strelitizia nicolai	
Black tupelo (Black gum)	Nyssa sylvatica	Wild Fire
Bluebird	Caryopteris x clandonensis	Dark Knight
Bluestem, Big	Andropogon gerardii	
Bluestem, Little	Andropogon scoparius	
Boxwood	Buxus microphylla	Baby Gem, Chicagoland Green, Dwarf, Green Beauty
Boxwood	Buxus isinica var. insularis	Wintergreen
Boxwood, Common/English	Buxus sempervirens	Green Gem, Green Mountain, Suffructicosa, Winter Gem
Boxwood, Japanese	Buxus microphylla var. japonica	Dwarf, Chicagoland
Bradford Pear	Pyrus calleryana	Chanticlear

Common Name	Scientific Name	Cultivar
Buckeye, Ohio	Aesculus glabra	
Burning bush (Euonymus)	Euonymus altus	Compacta
Butterfly bush	Buddleia davidii	Nanho Blue
Buttonwood	Conocarpus erectus	
Camellia, Japanese	Camellia japonica	Margaret Heathcliff Pink
Camellia, Little leaf	Camellia sasanqua	Cleopatra Pink, Shi Shi Gashira
Cassia (Golden senna)	Senna surattensis	
Catalpa, Southern	Catalpa bignoniaceae	
Cedar, Atlantic white	Chamaecyparis thyoides	
Cedar, Eastern red	Juniperus virginiana	Burkii, Idylllwild
Cedar, Japanese	Cryptomeria japonica	Black Dragon, Burkii, Globosa, Yoshino
Cherry, American plum	Prunus americana	
Cherry	Prunus serrulata	Kwanzan
Cherry, Purple leaf sand	Prunus cistena	
Cherry, Sargent	Prunus sargentii	Spring Wonder
Cherry, Yoshino	Prunus x yedoensis	Yoshino
Cherry Laurel (Skip laurel)	Prunus laurocerasis	Otto Luyken, Schipkaensis
Chokeberry	Aronia prunifolia	Viking
Cottonwood, Eastern	Populus deltoides	Siouxland
Crabapple	Malus sylvestris	Harvest Gold, Snowdrift, Snow Spring, Spring Snow
Crape myrtle	Laegerstroemia indica	Burgundy Cotton, Pocomoke Pink, Sarah's Favorite, Siren Red
Crape myrtle	Lagerstroemia indica x fauriei	Miami, Muskogee, Tuscarora
Cryptomeria	Cryptomeria japonica	Black Dragon, Yoshino
Cypress, Bald	Taxodium distichum	Shawnee Brave
Cypress, False	Chamaecyparis spp.	Gold Mops, Gold Thread
Cypress, Japanese (Hinoki cypress)	Chamaecyparis obtusa	Filicoides
Cypress, Leyland	Cupressus x leylandii	
Cypress, Mediterranean	Cupressus sempervirens	
Cypress, Pond	Taxodium distichum var. imbricatum	
Daphne	Daphne caucasica	Summer Ice
Dawn Redwood	Metasequoia glyptostroboides	

Common Name	Scientific Name	Cultivar
Dogwood, Flowering	Cornus florida	
Dogwood, Kousa	Cornus kousa	
Dogwood, Redosier (Red bark)	Cornus sericea	Yellow Twig
Dogwood, Tatarian	Cornus alba	* * * * * * * * * * * * * * * * * * *
Elm, American	Ulmus americana	
Elm, Chinese (Bosque)	Ulmus parvifolia	Drake
Eucalyptus	Eucalyptus globulus	Baby Tears
Feather reed grass	Calamagrostis x acutiflora	Overdam, Karl Foerster
Fir, Frasier	Abies fraseri	
Florida Leucothe (Pipestem)	Leucothoe populifolia	
Forsythia (Golden bells)	Forsythia x intermedia	Lynwood (Lynwood Gold)
Fragrant tea olive	Osmanthus fragrans	
Gardenia	Gardenia radicans	
Gardenia	Gardenia jasminoides	Frostproof, Mystery
Gaura	Gaura lindheimeri	Pink Fountain
Ginkgo	Ginkgo biloba	
Gold-dust plant	Aucuba japonica	Gold Dust
Green ash	Fraxinus pennsylvanica	Georgia Gem
Gumbo-limbo (Copperwood)	Bursera simaruba	
Hardy Kiwi	Actinidia arguta	Anna
Hawthorn, One seeded	Crataegus monogyna	Winter King
Hemlock, Eastern	Tsuga canadensis	
Hibiscus, Chinese	Hibiscus rosa-sinensis	President Red, San Diego Red
Holly, American	llex opaca	
Holly, Chinese	llex cornuta	Burfordii Nana, Carissa, Dwarf Burford, Needlepoint
Holly, Dragon lady	llex x aquipernyi	Dragon Lady
Holly, Dwarf yaupon	llex vomitoria	Compacta , Schillings, Stoke's Dwarf
Holly, Foster	llex x attenuata	East Palatka, Fosteri
Holly, Inkberry/Gallberry	llex glabra	Compacta, Densa, Shamrock
Holly, Japanese	llex crenata	Green Luster, Sky Pencil, Soft Touch
Holly, Meservae	llex meserveae	Blue Maid, Blue Princess
Holly, Nellie R. Stevens	llex aquifolium x llex cornuta	Nellie R. Stevens

Common Name	Scientific Name	Cultivar
Holly, Winterberry	llex verticillata	Jim Dandy, Red Sprite
Honeylocust	Gleditsia triacanthos	Sunburst, Sunshine
Hornbeam, European	Carpinus betulus	Frans Fontaine
Hornbeam, Hop	Ostrya virginiana	Carolina
Indian Hawthorn	Rhaphiolepsis indica	Dwarf Pink, Minor, Pink Lady
Japanese cleyera	Ternstromia gymnanthera	
Jasmine, Asiatic/Yellow star	Trachelospermum asiaticum	Minima
Jasmine, Winter	Jasminum nudiflorum	
Juniper, Chinese	Juniperus chinensis	Gold Tip, Grey Owl, Sea Green, Spartan
Juniper, Common	Juniperus communis	
Juniper, Creeping	Juniperus horizontalis	Bar Harbor, Blue Rug
Juniper, Flaky	Juniperus squamata	Blue Star
Juniper, Parson's	Juniperus davurica	Expansa, Parsonii
Juniper, Shore	Juniperus conferta	Blue Pacific
Juniper (Red Cedar)	Juniperus virginiana	Brodie, Burkii
Lantana	Lantana camara	Landmark Sunrise Rose
Larch, Common	Larix decidua	
Laurustinus	Viburnum tinus	
Lilac	Syringa x 'Penda'	Bloomerang
Lilac, Common	Syringa vulgaris	
Liriope (Lilyturf)	Liriope muscari	Aztec Grass, Big Blue, Evergreen Giant, Silvery Sunproof
London plane tree	Plantanus x acerifolia	Exclamation
Loropetalum	Loropetalum chinensis	Burgundy, Emerald Snow, Plum Purple, Rubra, Ruby
Maiden Grass (Eulaliagrass)	Miscanthus sinensis	Gracillimus, Zebrinus, Little Zebra
Magnolia, Jane	Magnolia liliflora x M. stellata	
Magnolia, Southern	Magnolia grandiflora	Bracken's Brown Beauty
Mahogony, West Indies/American	Swietenia mahagoni	
Maple, Autumn blaze	Acer x freemanii	Jeffersred
Maple, Japanese	Acer palmatum	Bloodgood, Weeping Red Dragon
Maple, Red	Acer rubrum	Autumn Blaze, Autumn Radiance, Frank's Red, October
		Glory, Red Sunset
Mondograss	Ophiopogon japonicus	

Common Name	Scientific Name	Cultivar
Muhly Grass	Muhlenbergia capillaris	
Nandina	Nandina domestica	Firepower
Oak, Northern pin	Quercus ellipsoidal	
Oak, Northern red	Quercus rubra	
Oak, Nuttal	Quercus nuttallii	
Oak, Pin	Quercus palustris	
Oak, Prairie stature	Quercus x bimundorum	Midwest
Oak, Shumard	Quercus shumardii	
Oak, Southern live	Quercus virginiana	Cathedral
Oak, White	Quercus alba	Swamp White
Ohio buckeye	Aesculus glabra	
Orchid Tree, Hong Kong	Bauhinia blakeana	
Palm, Bamboo/Reed	Chamaedorea seifrizzi	
Palm, Cat	Chamaedorea cataractarum	
Palm, Chinese Fan	Livistona chinensis	
Palm, Christmas	Adonidia merrillii	
Palm, Areca	Dypsis lutescens	
Palm, Coconut	Cocos nucifera	
Palm, European (Mediterranean) fan	Chamaerops humilis	
Palm, Foxtail	Wodyetia bifurcata	
Palm, Majesty	Ravenea rivularis	
Palm, Pygmy date	Phoenix roebelenii	
Palm, Queen	Syagrus romanzoffiana	
Palm, Roebelenii	Phoenix roebelenii	
Palm, Royal	Roistonea regia	
Palm, Triangle	Dypsis decaryi	
Palm, King Sago	Cycas revoluta	
Pear, Callery	Pyrus calleryana	Bradford Pear, Chanticleer
Pieris (Lily-of-the-Valley shrub,	Pieris japonica	Mountain Fire, Red Mill, Shojo
Japanese andromeda)		
Pine, Black	Pinus nigra	
Pine, Eastern white	Pinus strobus	

Common Name	Scientific Name	Cultivar
Pine, Scots	Pinus sylvestris	
Pittosporum (Japanese Pittosporum)	Pittosporum tobira	Variegata
Pistache, Texas	Pistacia texana	
Plum, American	Prunus americana	
Plum, Crimson pointe	Prunus x cerasifera	
Podocarpus (Buddhist pine)	Podocarpus macrophyllus	
Prairie Cordgrass	Spartina pectinata	
Privet	Ligustrum ovafolium	
Privet, Vicary	Ligustrum x vicary	
Redbud, Eastern	Cercis canadensis	MN Strain
Rhododendron	Rhododendron spp.	
Rose	Rosa spp.	Caramba , Double Knock Out [®] , Flower Carpet Amber, Home Run, Knock Out [®] , Louis Phillipe, Pink Knock Out [®] , Radrazz
Rose	Rosa odorata	Belinda's Dream, Blue Girl, Double Delight, John F. Kennedy, Mister Lincoln
Rose	Rosa wichurana	Dr. Huey
Rose, Virginia	Rosa virginiana	
Rose mallow	Hibiscus moscheutos	
Rose of Sharon	Hibiscus syriacus	Pink Heart, Boule de Feu
Russian sage	Perovskia atriplicifolia	
Seagrape	Coccoloba uvifera	
Skip laurel	Prunus laurocerasis	
Snowberry, Common	Symphoricarpos albus	
Spicebush	Lindera benzoin	
Spirea (dormant only)	Spiraea japonica	Lemon Princess, Little Princess, Norman, Shirobana
Spruce, Blackhills (White spruce)	Picea glauca	Densata
Spruce, Colorado Blue (Blue spruce)	Picea pungens	
Spruce, Norway	Picea abies	
Sweetgum	Liquidambar styraciflua	Happidaze
Tamarisk	Tamarix ramosissima	Pink Cascade
Taxus (English/Common yew)	Taxus baccata	
Taxus (Japanese Yew)	Taxus cuspidata	Capitada

Common Name	Scientific Name	Cultivar
Thin-fruit sedge	Carex flaccosperma	
Viburnum, Burkwood	Viburnum x burkwoodii	
Viburnum (Wayfaring Tree)	Viburnum lantana	Mohican
Viburnum, Popcorn (Japanese snowball)	Viburnum plicatum	Popcorn, St. Keverne
Waxflower	Chamelaucium spp.	
Wax myrtle, Southern (w/ woody growth)	Myrica cerifera	
Willow, Variegated	Salix integra	Hakuro Nishiki
Yellow Indian grass	Sorghastrum nutans	

Do not use SPECTICLE FLO HERBICIDE on any of these plants.

Common Name	Scientific Name
Blue fescue grass	Festuca glauca
Croton	Codiaeum variegatum
Fountain grass	Pennisetum alopecuroides
Fountain grass, Purple	Pennisetum setaceum
Hydrangea	Hydrangea macrophylla
Sweet Viburnum	Viburnum odoratissimum
Viburnum	Viburnum suspensum

NATURAL AREAS

Use SPECTICLE FLO HERBICIDE to control weeds in managed natural areas on golf courses. These areas can be adjacent to fairways, tees, greens, and in steep areas that are difficult to manage with a traditional program or where low maintenance is desired. Plants in these areas include those indigenous to a geographic area as well as other plants introduced due to their potential for low maintenance or for aesthetic considerations. Use of SPECTICLE FLO HERBICIDE in natural areas allows the user to manage undesirable weeds and prevent germination of invasive plants.

Apply SPECTICLE FLO HERBICIDE as a directed spray around tolerant landscape ornamentals listed on this label to control annual grasses and broadleaf weeds prior to germination. In situations where vegetation is too thick for a directed spray application, over-the-top application is necessary. For over-the-top applications, all plants must be established for at least one growing season before an application of SPECTICLE FLO HERBICIDE. If a desired plant to be treated is not listed on this label, treat several plants at the maximum use rate and evaluate 1 - 2 months later for acceptable tolerance to over-the-top applications.

Germination of wildflower seed will be sensitive to SPECTICLE FLO HERBICIDE. Seed these into treated areas no sooner than 12 months after an application of SPECTICLE FLO HERBICIDE. Do not make an over-the-top application to wildflowers. For control of undesirable grasses and broadleaf weeds present in areas to be treated, use a postemergence spot application of Acclaim Extra, or Celsius according to their labels.

AMOUNT TO USE: Apply SPECTICLE FL0 HERBICIDE as a broadcast directed spray at 9 - 12 fl oz/A around landscape ornamentals. Apply 6 -9 fl oz/A as an over-the-top application. Recommended spray volume is 40 - 80 gallons per acre or approximately 1 - 2 gallons per 1000 sq ft. Activate SPECTICLE FL0 HERBICIDE by valenting in with high irrigation or rainfall.

NON-SELECTIVE USES

NON-CROP AREAS

SPECTICLE FLO HERBICIDE may be used to maintain bare ground in non-crop areas. These include paths, parking lots, curbs, sidewalks, driveways, around buildings, gravel areas, loading ramps, educational facilities, storage yards, vacant lots, fence rows, parks, and hardscapes. All weeds and debris must be removed from these areas to be treated for optimum control. Adequate irrigation or rainfall after application of SPECTICLE FLO HERBICIDE will provide maximum weed control.

Use of SPECTICLE FLO HERBICIDE near Sensitive Grasses

SPECTICLE FLO HERBICIDE applied uphill to sensitive grasses can move, under certain circumstances, to sensitive grasses and cause injury and stand reduction.

AMOUNT OF USE: Apply 9 - 18.5 fl oz of SPECTICLE FLO HERBICIDE per acre. Use a minimum spray volume of 10 gallons per acre. If weeds are present at the time of application, tank-mix a postemergence herbicide such as glyphosate or glutosinate ammonium with SPECTICLE FLO HERBICICD. Observe all use restrictions on this label and on the label of the tank-mix partner.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE

Store in original container and keep tightly closed when not in use. Store in a cool, dry place. Avoid cross-contamination with other pesticides. **PESTICIDE DISPOSAL**

Pesticides wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be used according to label instructions, contact your State Pesticide or Environmental Control Agency or Hazardous Waste representative at the nearest EPA regional office for guidance in proper disposal methods.

CONTAINER HANDLING

Rigid Non-refillable Containers that are too large to shake (i.e., with capacities greater than 5 gallons or 50 lbs)

Non-refillable container. Do not reuse or refill this container. Refer to Bottom Discharge IBC or Top Discharge IBC, Drums, Kegs information as follows.

Bottom Discharge IBC (e.g. - Schuetz Caged IBC or Snyder Square Stackable)

Pressure rinsing the container before final disposal is the responsibility of the person disposing of the container. To pressure rinse the container before final disposal, empty the remaining contents from the IBC into application equipment or mix tank. Raise the bottom of the IBC by 1.5 inches on the side which is opposite of the bottom discharge valve to promote more complete product removal. Completely remove the top lid of the IBC. Use water pressurized to at least 40 PS1 to rinse all interior portions. Continuously pump or drain rinsate into application equipment or rinsate collection system while pressure rinsing. Continue pressure rinsing for 2 minutes or until rinsate becomes clear. Replace the lid and close bottom valve.

STORAGE AND DISPOSAL (continued)

Once container is rinsed, offer for recycling if available or puncture and dispose of in a sanitary landfill or by incineration. Top Discharge IBC, Drums, Kegs (e.g.– Snyder 120 Next Gen, Bonar B120, Drums, Kegs)

Triple rinsing the container before final disposal is the responsibility of the person disposing of the container. To triple rinse the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container at least 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Rinse all interior surfaces. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this procedure two more times.

Once container is rinsed, offer for recycling if available or puncture and dispose of in a sanitary landfill or by incineration.

Rigid Non-Refillable containers with capacities smaller or equal to 5 gallons

PLASTIC CONTAINERS:

Non-refillable container. Do not reuse or refill this container. Tripled rinse container (or equivalent) promptly after emptying. LIQUID Dillutable formulations:

Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration.

IMPORTANT: READ BEFORE USE

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties and Limitations of Liability.

CONDITIONS: The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Ineffectiveness, plant injury, other property damage, as well as other unintended consequences may result because of factors beyond the control of Bayer CropScience LP. Those factors include, but are not limited to, weather conditions, presence of other materials or the manner of use or application. All such risks shall be assumed by the user or buyer.

DISCLAMMER OF WARRANTIES: TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BAYER CROPSCIENCE LP MAKES NO OTHER WAR-RANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of Bayer CropScience LP is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BAYER CROPSCIENCE LP DISCLAMS ANY LIABILITY WHATSOEVER FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

LIMITATIONS OF LIABILITY: TO THE EXTENT CONSISTENT WITH APPLICABLE LAW THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT, WAR-RANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT BAYER CROPSCIENCE LPS ELECTION. THE REPLACEMENT OF PRODUCT.

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Produced for: Bayer Environmental Science A Division of Bayer CropScience LP 5000 CentreGreen Way, Suite 400 Cary, NC 27513

Bayer

DO NOT USE F ACTIVE ING OTHER ING TOTAL: This product is active ingredie EPA Reg. N	ass, Landscape Ornamentals, Hedgerows, Hardscapes, and Natural Areas OR THE MANUFACTURING OF FERTILIZER REDIENTS:	
3661	FIRST AID	
lf swallowed:	 Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person. 	
If in eyes:	 Hold eyes open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, and then continue rinsing. Call a poison control center or doctor for treatment advice. 	
lf on skin or clothing:	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.	
If inhaled:	 Move person to fresh air. If person is not breathing, call 911 or an ambulance, and then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice. 	

PULL HERE TO OPEN





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SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product identifier	
Trade name	SPECTICLE® FLO HERBICIDE
Product code (UVP)	80193424, 85850822
SDS Number	102000025126
EPA Registration No.	432-1608
Relevant identified uses of th	e substance or mixture and uses advised against
Use	Herbicide
Restrictions on use	See product label for restrictions.
Information on supplier	
Supplier	Bayer Environmental Science 2 T.W. Alexander Drive Research Triangle PK, NC 27709 USA
Responsible Department	Email: SDSINFO.BCS-NA@bayer.com
Emergency telephone no.	
Emergency Telephone Number (24hr/ 7 days)	1-800-334-7577
Product Information Telephone Number	1-800-331-2867

SECTION 2: HAZARDS IDENTIFICATION

Classification in accordance with regulation HCS 29CFR §1910.1200 Acute toxicity(Inhalation): Category 4 Specific target organ toxicity - repeated exposure: Category 2

Labelling in accordance with regulation HCS 29CFR §1910.1200



Signal word: Warning

Hazard statements

Harmful if inhaled. May cause damage to organs (Nervous system) through prolonged or repeated exposure.

Precautionary statements



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Do not breathe spray. Do not breathe mist. Use only outdoors or in a well-ventilated area. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor/physician if you feel unwell. Dispose of contents/container in accordance with local regulation.

Hazards Not Otherwise Classified (HNOC)

No health hazards not otherwise classified. No physical hazards not otherwise classified.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Component Name	CAS-No.	Concentration % by weight
Indaziflam	950782-86-2	7.4
1,2-Propanediol	57-55-6	8.36

SECTION 4: FIRST AID MEASURES

Description of first aid measures		
General advice	When possible, have the product container or label with you when calling a poison control center or doctor or going for treatment.	
Inhalation	Move 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 physician or poison control center immediately.	
Skin contact	Take off contaminated clothing and shoes immediately. Wash off immediately with plenty of water for at least 15 minutes. Call a physician or poison control center immediately.	
Eye contact	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a physician or poison control center immediately.	
Ingestion	Call a physician or poison control center immediately. Rinse out mouth and give water in small sips to drink. DO NOT induce vomiting unless directed to do so by a physician or poison control center. Never give anything by mouth to an unconscious person. Do not leave victim unattended.	
Most important symptoms and effects, both acute and delayed		
Symptoms	No symptoms known or expected.	
Indication of any immediate medical attention and special treatment needed		
Treatment	Appropriate supportive and symptomatic treatment as indicated by the patient's condition is recommended. There is no specific antidote.	



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SECTION 5: FIREFIGHTING MEASURES

Extinguishing media	
Suitable	Water spray, Foam, Carbon dioxide (CO2), Dry chemical
Unsuitable	None known.
Special hazards arising from the substance or mixture	Dangerous gases are evolved in the event of a fire.
Advice for firefighters	
Special protective equipment for firefighters	Firefighters should wear NIOSH approved self-contained breathing apparatus and full protective clothing.
Further information	Keep out of smoke. Fight fire from upwind position. Cool closed containers exposed to fire with water spray. Do not allow run-off from fire fighting to enter drains or water courses.
Flash point	No data available
Auto-ignition temperature	No data available
Lower explosion limit	No data available
Upper explosion limit	No data available
Explosivity	Not applicable

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures		
Precautions	Keep unauthorized people away. Isolate hazard area. Avoid contact with spilled product or contaminated surfaces.	
Methods and materials for con	ntainment and cleaning up	
Methods for cleaning up	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Collect and transfer the product into a properly labelled and tightly closed container. Clean contaminated floors and objects thoroughly, observing environmental regulations.	
Additional advice	Use personal protective equipment. If the product is accidentally spilled, do not allow to enter soil, waterways or waste water canal. Do not allow product to contact non-target plants.	
Reference to other sections	Information regarding safe handling, see section 7. Information regarding personal protective equipment, see section 8. Information regarding waste disposal, see section 13.	



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SECTION 7: HANDLING AND STORAGE

Precautions for safe handling		
Advice on safe handling	Maintain exposure levels below the exposure limit through the use of general and local exhaust ventilation. Handle and open container in a manner as to prevent spillage.	
Hygiene measures	Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, using the toilet or applying cosmetics. Remove Personal Protective Equipment (PPE) immediately after handling this product. Before removing gloves clean them with soap and water. Remove soiled clothing immediately and clean thoroughly before using again. Wash thoroughly and put on clean clothing.	
Conditions for safe storage, including any incompatibilities		
Requirements for storage areas and containers	Store in a cool, dry place and in such a manner as to prevent cross contamination with other crop protection products, fertilizers, food, and feed. Store in original container and out of the reach of children, preferably in a locked storage area. Protect from freezing.	

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Components	CAS-No.	Control parameters	Update	Basis
Indaziflam	950782-86-2	0.56 mg/m3 (TWA)		OES BCS*
1,2-Propanediol	57-55-6	10 mg/m3 (TWA)	2010	WEEL
(Aerosol.)				

*OES BCS: Internal Bayer AG, Crop Science Division "Occupational Exposure Standard"

Exposure controls

Personal protective equipment

In normal use and handling conditions please refer to the label and/or leaflet. In all other cases the following recommendations would apply.

Respiratory protection When respirators are required, select NIOSH approved equipment based on actual or potential airborne concentrations and in accordance with the appropriate regulatory standards and/or industry recommendations.

Hand protection	Chemical resistant nitrile rubber gloves
Eye protection	Tightly fitting safety goggles
Skin and body protection	Wear long-sleeved shirt and long pants and shoes plus socks.



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General protective measures	Follow manufacturer's instructions for cleaning/maintaining PPE. If
	no such instructions for washables, use detergent and warm/tepid
	water.
	Keep and wash PPF separately from other laundry

Keep and wash PPE separately from other laundry.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	white to beige
Physical State	Liquid
Odor	characteristic
Odour Threshold	No data available
рН	5.0 - 8.0 at 10 % (23 °C) (deionized water)
Vapor Pressure	No data available
Vapor Density (Air = 1)	No data available
Density	1.01 g/cm³ at 20 °C
Evaporation rate	No data available
Boiling Point Melting / Freezing Point	No data available No data available
Water solubility	soluble
Minimum Ignition Energy	Not applicable
Decomposition temperature	No data available
Partition coefficient: n- octanol/water	No data available
Viscosity	300 - 900 cps at 25 °C
Flash point	No data available
Auto-ignition temperature	No data available
Lower explosion limit	No data available
Upper explosion limit	No data available
Explosivity	Not applicable

SECTION 10: STABILITY AND REACTIVITY

Reactivity	
Thermal decomposition	No data available
Chemical stability	Stable under recommended storage conditions.



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Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Conditions to avoid	freezing
Incompatible materials	No data available
Hazardous decomposition products	Thermal decomposition can lead to release of: Hydrogen cyanide (hydrocyanic acid) Hydrogen fluoride Carbon monoxide Nitrogen oxides (NOx)

SECTION 11: TOXICOLOGICAL INFORMATION

Exposure routes	Ingestion, Inhalation, Eye contact, Skin contact
Immediate Effects Eye	May cause mild irritation to eyes.
Skin	May cause mild irritation to the skin.

Information on toxicological effects

Acute oral toxicity	LD50 (female Rat) > 5,000 mg/kg
Acute inhalation toxicity	LC50 (male/female combined Rat) > 2.09 mg/l Exposure time: 4 h Determined in the form of liquid aerosol.
Acute dermal toxicity	LD50 (male/female combined Rat) > 5,000 mg/kg
Skin irritation	slight irritation (Rabbit)
Eye irritation	Minimally irritating. (Rabbit)
Sensitisation	Non-sensitizing. (Guinea pig)

Assessment STOT Specific target organ toxicity - repeated exposure

Indaziflam caused neurobehavioral effects and/or neuropathological changes in subchronic studies in rats and dogs.

Assessment mutagenicity

Indaziflam was not mutagenic or genotoxic in a battery of in vitro and in vivo tests.

Assessment carcinogenicity

Indaziflam was not carcinogenic in lifetime feeding studies in rats and mice.

ACGIH

None.

NTP

None.



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IARC

None.

OSHA

None.

Assessment toxicity to reproduction

Indaziflam was not a primary reproductive toxicant in a two-generation study in rats.

Assessment developmental toxicity

Indaziflam did not cause developmental toxicity in rats and rabbits.

Further information

Only acute toxicity studies have been performed on the formulated product. The non-acute information pertains to the active ingredient(s).

SECTION 12: ECOLOGICAL INFORMATION

Toxicity to fish	LC50 (Oncorhynchus mykiss (rainbow trout)) 0.572 mg/l Exposure time: 96 h The value mentioned relates to the active ingredient indaziflam.	
Toxicity to aquatic invertebrates	EC50 (Daphnia magna (Water flea)) > 9.88 mg/l Exposure time: 48 h The value mentioned relates to the active ingredient indaziflam.	
Toxicity to aquatic plants	IC50 (Raphidocelis subcapitata (freshwater green alga)) 0.134 mg/l Growth rate; Exposure time: 96 h The value mentioned relates to the active ingredient indaziflam.	
Biodegradability	Indaziflam: Not rapidly biodegradable	
Кос	Indaziflam: Koc: 496	
Bioaccumulation	Indaziflam: Bioconcentration factor (BCF) 66 Does not bioaccumulate.	
Mobility in soil	Indaziflam: Moderately mobile in soils	
Environmental precautions	Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate surface or ground water by cleaning equipment or disposal of wastes, including equipment wash water. Do not allow to get into surface water, drains and ground water. Do not apply when weather conditions favor runoff or drift. Drift or runoff from treated areas may adversely affect non-target plants. Apply this product as specified on the label.	



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SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods	
Product	Pesticide, spray mixture or rinse water that cannot be used according to label instructions may be disposed of on site or at an approved waste disposal facility.
Contaminated packaging	Do not re-use empty containers. Triple rinse containers. Dispose of empty container in a sanitary landfill or by incineration, or, if allowed by State/Provincial and local authorities, by burning. If burned, stay out of smoke. Follow advice on product label and/or leaflet.
RCRA Information	Characterization and proper disposal of this material as a special or hazardous waste is dependent upon Federal, State and local laws and are the user's responsibility. RCRA classification may apply.

SECTION 14: TRANSPORT INFORMATION

49CFR	Not dangerous goods / not hazardous material	
IMDG UN number Class Packaging group Marine pollutant Proper shipping name	3082 9 III YES ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (INDAZIFLAM SOLUTION)	
IATA UN number Class Packaging group Environm. Hazardous Mark Proper shipping name	3082 9 III YES ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (INDAZIFLAM SOLUTION)	

This transportation information is not intended to convey all specific regulatory information relating to this product. It does not address regulatory variations due to package size or special transportation requirements.

poison	OUNDS, TREE OR WEEDKILLING, N.O.I., other than ; HAVING A DENSITY OF GREATER THAN 20 LBS. UBIC FOOT
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SECTION 15: REGULATORY INFORMATION

EPA Registration No. 432-1608 US Federal Regulations TSCA list 1,2-Propanediol 57-55-6 US. Toxic Substances Control Act (TSCA) Section 12(b) Export Notification (40 CFR 707, Subpt D) None. SARA Title III - Section 302 - Notification and Information None. SARA Title III - Section 313 - Toxic Chemical Release Reporting None. US States Regulatory Reporting CA Prop65 This product does not contain any substances known to the State of California to cause cancer.

This product does not contain any substances known to the State of California to cause reproductive harm.

US State Right-To-Know Ingredients 1,2-Propanediol	57-55-6	MN, RI
Canadian Regulations Canadian Domestic Substance List None.		
Environmental CERCLA None. Clean Water Section 307 Priority Pollu None.	tants	

Safe Drinking Water Act Maximum Contaminant Levels None.

SECTION 16: OTHER INFORMATION

Abbreviations and acronyms

49CFR	Code of Federal Regulations, Title 49
ACGIH	US. ACGIH Threshold Limit Values
ATE	Acute toxicity estimate
CAS-Nr.	Chemical Abstracts Service number
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
EINECS	European inventory of existing commercial substances
ELINCS	European list of notified chemical substances
IARC	International Agency for Research on Cancer
ΙΑΤΑ	International Air Transport Association
IMDG	International Maritime Dangerous Goods
N.O.S.	Not otherwise specified



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NTP	US. National Toxic	US. National Toxicology Program (NTP) Report on Carcinogens		
OECD	Organization for Eq	Organization for Economic Co-operation and Development		
TDG	Transportation of E	Transportation of Dangerous Goods		
TWA	Time weighted ave	Time weighted average		
UN	United Nations	United Nations		
WHO	World health orgar	World health organisation		
NFPA 704 (National Fire Protection Association): Health - 2 Flammability - 1 Instability - 0 Others - none				
HMIS (Hazardous Materials Identification System, based on the Third Edition Ratings Guide)				
Health - 1	Flammability - 1	Physical Hazard - 0	PPE -	
0 = minimal hazard, 1 = slight hazard, 2 = moderate hazard, 3 = severe hazard, 4 = extreme hazard				

Reason for Revision: Section 11: Toxicological Information.

Revision Date: 10/02/2017

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