



SAFETY DATA SHEET

Version 1

1. Identification of the Substance / Preparation and of the Company / Undertaking

Product Name: TurfVantage® Turf Power SRN™
Recommended Use: All varieties of grasses
Company Name: Monty's Plant Food Co., Inc., 4800 Strawberry Ln., Louisville, KY 40209 (502-489-9888)

Emergency Telephone:
 Monty's Plant Food Co., Inc., 502-489-9888

2. Hazards Identification

GHS - Classification

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

Signal Word: None

Physical Hazards

- None

Precautionary Statements:

- As part of good industrial and personal hygiene and safety procedure, avoid all unnecessary exposure to the chemical substance and ensure prompt removal from skin, eyes and clothing.

3. Composition / Information on Ingredients

Hazardous

Chemical Name	CAS No	Weight-%	EC No
Trade Secret	-	0 - 10%	Listed
Trade Secret	-	0 - 10%	Listed
Trade Secret	-	0 - 10%	Listed
Trade Secret	-	0 - 10%	Listed
Trade Secret	-	0 - 10%	Not Listed
Trade Secret	-	0 - 10%	Listed
Trade Secret	-	0 - 10%	Listed
Trade Secret	-	30 - 40%	Not Listed

Non-Hazardous

Chemical Name	CAS No	Weight-%	EC No
Trade Secret	-	10 - 20%	Listed
Trade Secret	-	40 - 50%	Listed

Each of the other components are present in less than 1 percent concentration (0.1% concentration for potential carcinogens, reproductive toxins, respiratory tract sensitizers, and mutagens.).

4. First Aid Measures

Eye Contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists: Get medical advice/attention.

TurfVantage Turf Power SRN

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. If symptoms persist, call a physician.
Ingestion:	Clean mouth with water and drink afterwards plenty of water. If symptoms persist, call a physician.
Note to Physicians:	Treat symptomatically.

5. Fire-fighting Measures

Flammable Properties:

Not considered to be a fire hazard

Explosive Properties:

Not considered to be an explosion hazard

Suitable Extinguishing Media:

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment

Unsuitable Extinguishing Media:

No information available

Protective Equipment and Precautions for Firefighters:

In the event of a fire, wear full protective clothing and MSHA/NIOSH (approved or equivalent) self-contained breathing apparatus with full facepiece operated in the pressure-demand or other positive pressure mode

6. Accidental Release Measures

Personal Precautions:	Use only with adequate ventilation.
Environmental Precautions:	Prevent further leakage or spillage if safe to do so.
Methods for Cleaning Up:	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Other Information:	Not applicable.

7. Handling and Storage

Advice on Safe Handling:	It is a violation of State and Federal law to use this product as a disinfectant or for any other pesticidal purpose.
Storage Conditions:	Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from any source of heat or ignition. Keep away from incompatible substances.
Incompatible Materials:	Strong oxidizing agents; Strong acids; Strong bases

8. Exposure Controls / Personal Protection

Chemical Name		ACGIH TLV		OSHA PEL		Ontario TWA	
Trade Secret				(vacated) Ceiling: 5 mg/m ³ Ceiling: 5 mg/m ³ Mn			
Trade Secret				15 mg/m ³ TWA 5 mg/m ³ TWA			
Chemical Name	European Union	China	Japan	Korea	Australia	Taiwan	
Trade Secret			ISHL/ACL: 0.2 mg/m ³		1 mg/m ³		

TurfVantage Turf Power SRN

Trade Secret		TWA: 5 mg/m ³ STEL: 10 mg/m ³			
Trade Secret			ISHL:	TWA: 2 mg/m ³	

Engineering Controls: Ensure adequate ventilation, especially in confined areas

Personal protective equipment (PPE)

Eye/Face Protection: Tight sealing safety goggles.

Body Protection: Suitable protective clothing.

General Hygiene Considerations:

Handle in accordance with good industrial hygiene and safety practice.

9. Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Physical State:	Liquid	Odor:	No information available
Appearance:	Clear	Odor Threshold:	No information available
Color:	Colorless		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH:	9.0	Neat: 8.5 - 9.5
"Salt Out" Point (°F):		No information available
Melting Point/Freezing Point:		No information available
Boiling Point/Boiling Range:		No information available
Flash Point:		No information available
Evaporation Rate (BuAc=1):		No information available
Flammability (solid, gas):		No information available
Flammability Limits in Air:		No information available
Upper Flammability Limit:		Lower Flammability Limit:
Vapor Pressure (mm Hg) :		No information available
Vapor density (Air =1)		No information available
Specific Gravity (H₂O=1):	1.236	No information available
Specific Gravity (2nd value):		No information available
Water Solubility:		No information available
Solubility(ies):		No information available
Partition Coefficient (n-octanol/water)		No information available
Autoignition Temperature:		No information available
Decomposition Temperature:		No information available
Kinematic Viscosity:		No information available
Dynamic Viscosity:		No information available
Oxidizing Properties:	No information available	
Explosive Properties:	No information available	

9.2. Other information

Softening Point:	No information available
Molecular Weight:	No information available
VOC Content(%):	No information available
Density:	No information available
Bulk Density:	No information available

10. Stability and Reactivity

Stability:	Stable under normal conditions of use and storage
Conditions to Avoid:	Heat, flames and sparks
Incompatible Materials:	Strong oxidizing agents, Strong acids, Strong bases

TurfVantage Turf Power SRN

Hazardous Decomposition Products: None under normal use conditions

Possibility of Hazardous Reactions: None under normal processing

11. Toxicological Information

Product Information

Acute Toxicity: 36.14% of the mixture consists of ingredient(s) of unknown toxicity.

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

Chemical Name	Oral LD ₅₀ :	Dermal LD ₅₀ :	LC ₅₀ (Lethal Concentration):
Trade Secret	3250 mg/kg (Rat)		
Trade Secret	8471 mg/kg (Rat)		
Trade Secret	10000 mg/kg (Rat)		
Trade Secret	90 mL/kg (Rat)		
Trade Secret			167 mg/m ³ (Rat) 4 h

Chronic Toxicity:

Carcinogenicity: This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP

12. Ecological Information

Ecotoxicity

51.43% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia and other aquatic invertebrates
Trade Secret		6800: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 semi-static	
Trade Secret		16200 - 18300: 96 h <i>Poecilia reticulata</i> mg/L LC50	10000: 24 h <i>Daphnia magna</i> Straus mg/L EC50 3910: 48 h <i>Daphnia magna</i> mg/L EC50 Static

Persistence and Degradability: No information available.

Bioaccumulation: No information available.

Mobility: No information available.

Chemical Name	Partition Coefficient:
Trade Secret	-1.59

13. Disposal Considerations

Waste from Residues/Unused Products: Disposal should be in accordance with applicable regional, national and local laws and regulations

14. Transport Information

TurfVantage Turf Power SRN

DOT

Description Not DOT Regulated

15. Regulatory Information

International Inventories

AICS -
 TSCA -
 DSL/NDSL -
 EINECS/ELINCS -
 ENCS -
 IECSC -
 KECL -
 PICCS -

Chemical Name	AICS	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS
Trade Secret	Present	Present	Present	-	233-666-8	-	(1)-1101	Present	KE-29217	Present
Trade Secret	Listed	Listed	Listed	-	Listed	-	Present	Listed	Present	Present
Trade Secret	-	-	-	-	Present	-	-	-	-	-
Trade Secret	Listed	Listed	Listed	-	Listed	-	(2)-1732	Listed	KE-35144	Present
Trade Secret	-	Present	-	Present	267-400-7	-	(2)-1266	Present	-	Present
Trade Secret	Listed	Listed	Listed	-	Listed	-	-	Listed	KE-04671	Present
Trade Secret	Listed	Listed	Listed	-	Listed	-	-	Listed	KE-35400	Present
Trade Secret	Listed	Listed	Listed	-	Listed	-	(1)-452	Listed	KE-12167	Present
Trade Secret	Present	Present	Present	-	-	-	Present	Present [25325] (also listed under CAS number: 9015-64-9 with inventory number: 25306)	Present	Present

Inventory Legend

AICS - Australian Inventory of Chemical Substances
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

RESTRICTIONS - REACH TITLE VII No information available

US Federal Regulations

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

SARA 313

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

SARA 311/312 Hazard Categories

Acute health hazard	No
Chronic health hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive hazard	No

U.S. State Right-to-Know Regulations

California Proposition 65:
This product does not contain any Proposition 65 chemicals

16. Other Information

National Fire Protection Association (NFPA) Ratings



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Disclaimer:

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End of Safety Data Sheet