

Material Safety Data Sheet

Issuing Date 01-May-2012

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Revision Number 3

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name MrGreen TG2 Grass & Root Fortifier 34 oz

Recommended Use Lawn care. Plant food.

Supplier Address

Scicorp International Corp
15-220 Bayview Drive
Barrie
Ontario
L4N 4Y8
CA
Phone:905 465 5344
Fax:705 733 2618
Contact:derk maat
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Contact P

2. HAZARDS IDENTIFICATION

CAUTION!

Emergency Overview

May cause skin and eye irritation

Appearance Brown

Physical State Liquid.

Odor Organic

Potential Health Effects

Principle Routes of Exposure Skin contact.

Acute Toxicity

Eyes

May cause irritation.

Skin

May cause irritation.

Inhalation

Inhalation of vapors in high concentration may cause irritation of respiratory system.

Ingestion

Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Chronic Effects

No known effect based on information supplied.

Aggravated Medical Conditions

Central nervous system. Pre-existing eye disorders. Blood disorders. Kidney disorders. Liver disorders. Skin disorders.

Interactions with Other Chemicals

Use of alcoholic beverages may enhance toxic effects.

Environmental Hazard

See Section 12 for additional Ecological Information. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Supplier Trade Secret	Proprietary	60-100

Supplier Trade Secret	Proprietary	15-40
Supplier Trade Secret	Proprietary	7-13
Supplier Trade Secret	Proprietary	1 - 5
Supplier Trade Secret	Proprietary	0.1 - 1
Supplier Trade Secret	Proprietary	0.1 - 1
Supplier Trade Secret	Proprietary	0.1 - 1
Supplier Trade Secret	Proprietary	0.1 - 1
Supplier Trade Secret	Proprietary	0.1 - 1
Supplier Trade Secret	Proprietary	< 0.1

4. FIRST AID MEASURES

Eye Contact	Rinse thoroughly with plenty of water, also under the eyelids. If symptoms persist, call a physician.
Skin Contact	Wash skin with soap and water. In the case of skin irritation or allergic reactions see a physician.
Inhalation	Move to fresh air. If symptoms persist, call a physician.
Ingestion	Do NOT induce vomiting. Drink plenty of water. If symptoms persist, call a physician.
Notes to Physician	Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Flammable Properties	Not flammable.
Flash Point	94C / 201F
Suitable Extinguishing Media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Hazardous Combustion Products	Carbon oxides.
Explosion Data	
Sensitivity to Mechanical Impact	No.
Sensitivity to Static Discharge	No.

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.

NFPA	Health Hazard 1	Flammability 0	Stability 0	Physical and Chemical Hazards -
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6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Use personal protective equipment. Avoid contact with skin, eyes and clothing.
Environmental Precautions	Refer to protective measures listed in Sections 7 and 8.
Methods for Containment	Prevent further leakage or spillage if safe to do so.
Methods for Cleaning Up	Use personal protective equipment. Dam up. Cover liquid spill with sand, earth or other noncombustible absorbent material. Pick up and transfer to properly labeled containers. Clean contaminated surface thoroughly.

7. HANDLING AND STORAGE

Handling Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes and clothing.

Storage Keep containers tightly closed in a dry, cool and well-ventilated place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Supplier Trade Secret	STEL: 6 mg/m ³ inhalable fraction TWA: 2 mg/m ³ inhalable fraction		
Supplier Trade Secret	TWA: 1 mg/m ³ Cu dust and mist		IDLH: 100 mg/m ³ Cu dust and mist TWA: 1 mg/m ³ Cu dust and mist
Supplier Trade Secret	TWA: 0.2 mg/m ³ Mn	(vacated) Ceiling: 5 mg/m ³ Ceiling: 5 mg/m ³ Mn	IDLH: 500 mg/m ³ Mn TWA: 1 mg/m ³ Mn STEL: 3 mg/m ³ Mn
Supplier Trade Secret	TWA: 0.2 mg/m ³ Se	TWA: 0.2 mg/m ³ Se (vacated) TWA: 0.2 mg/m ³ Se	IDLH: 1 mg/m ³ Se TWA: 0.2 mg/m ³ except Selenium hexafluoride Se

ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value. OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits. NIOSH IDLH: Immediately Dangerous to Life or Health.

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

Engineering Measures
Showers
Eyewash stations
Ventilation systems

Personal Protective Equipment

Eye/Face Protection
Skin and Body Protection
Respiratory Protection

No special protective equipment required.
No special protective equipment required.
No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

Hygiene Measures Handle in accordance with good industrial hygiene and safety practice. When using, do not eat, drink or smoke. Remove and wash contaminated clothing before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Brown.	Odor	Organic.
Odor Threshold	No information available.	Physical State	Liquid
pH	7		
Flash Point	201F / 94C	Autoignition Temperature	No information available
Decomposition Temperature	No information available	Boiling Point/Range	No information available
Melting Point/Range	No information available		
Flammability Limits in Air	No information available	Explosion Limits	No information available
Water Solubility	Soluble in water.	Solubility	No information available
Evaporation Rate	No information available	Vapor Pressure	No data available
Vapor Density	No data available	VOC Content (%)	0.19
Partition Coefficient: n-octanol/water			

10. STABILITY AND REACTIVITY

Stability	Stable under recommended storage conditions.
Incompatible Products	None known.
Conditions to Avoid	None known.
Hazardous Decomposition Products	Carbon oxides.
Hazardous Polymerization	Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Product Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Supplier Trade Secret	90090 mg/kg (rat)	-	-
Supplier Trade Secret	= 2 g/kg (Rat)	-	-
Supplier Trade Secret	= 500 mg/kg (Rat)	-	-
Supplier Trade Secret	= 300 mg/kg (Rat)	= 1000 mg/kg (Rabbit)	-
Supplier Trade Secret	= 2150 mg/kg (Rat)	-	-
Supplier Trade Secret	= 2100 mg/kg (Rat)	-	-

Chronic Toxicity

Chronic Toxicity No known effect based on information supplied.

Chemical Name	ACGIH	IARC	NTP	OSHA
Supplier Trade Secret		Group 3		

Target Organ Effects None known.

12. ECOLOGICAL INFORMATION

This product contains a chemical which is listed as a severe marine pollutant according to DOT.

Ecotoxicity

The environmental impact of this product has not been fully investigated. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Supplier Trade Secret	EC50: 162 mg/L (96 h) Desmodesmus subspicatus	LC50: 350 mg/L (96 h) Limanda limanda		EC50: 2528 mg/L (48 h) Daphnia magna
Supplier Trade Secret	EC50: 0.056 mg/L (72 h static) Pseudokirchneriella subcapitata EC50: 2.4 mg/L (96 h) Chlorella vulgaris EC50: 64.8 mg/L (72 h) Chlorella vulgaris	LC50: 0.218-0.42 mg/L (96 h flow-through) Pimephales promelas LC50: 3-4.6 mg/L (96 h flow-through) Lepomis macrochirus LC50: 0.06 mg/L (96 h static) Pimephales promelas LC50: 49.23-64.16 mg/L (96 h semi-static) Poecilia reticulata LC50: 0.03-0.05 mg/L (96 h semi-static) Oncorhynchus mykiss LC50: 0.23-0.48 mg/L (96 h) Pimephales promelas LC50: 16.85-27.18 mg/L (96 h static) Cyprinus carpio LC50: 0.168-0.25 mg/L (96 h semi-static) Pimephales promelas LC50: 0.63 mg/L (96 h) Poecilia reticulata LC50: 0.34-0.93 mg/L (96 h static) Oncorhynchus mykiss LC50: 0.48-1.72 mg/L (96 h static) Poecilia reticulata LC50: 0.15 mg/L (96 h semi-static) Cyprinus carpio LC50: 3.55-6.32 mg/L (96 h static) Lepomis macrochirus LC50: 0.162 mg/L (96 h flow-through) Oncorhynchus mykiss	EC50 = 3.45 mg/L 15 min EC50 = 40.5 mg/L 30 min EC50 = 476 mg/L 5 min EC50 > 700 mg/L 16 h	EC50: 0.538 - 0.908 mg/L (48 h Static) Daphnia magna EC50: 0.75 mg/L (48 h) Daphnia magna
Supplier Trade Secret		LC50: 0.1 mg/L (96 h) Oncorhynchus mykiss		EC50: 0.0058 - 0.0073 mg/L (48 h Static) Daphnia magna
Supplier Trade Secret		LC50: 420-558 mg/L (96 h flow-through) Pimephales promelas LC50: > 100 mg/L (96 h static) Pimephales promelas	EC50 = 500 mg/L 24 h	EC50: < 650 mg/L (48 h) Daphnia magna

Chemical Name	Log Pow
Supplier Trade Secret	-2.13

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261).

Contaminated Packaging Dispose of in accordance with local regulations.

US EPA Waste Number D010

California Hazardous Waste Codes 141

This product contains one or more substances that are listed with the State of California as a hazardous waste.

Chemical Name	California EHW	California Carc	California Hazardous Waste	California Waste - Part 2
Supplier Trade Secret			Toxic	STLC (for PBTs): 250 mg/L TTLIC (for PBTs): 5000 mg/kg
Supplier Trade Secret			Toxic	STLC (for PBTs): 25 mg/L TTLIC (for PBTs): 2500 mg/kg
Supplier Trade Secret	Toxic			STLC (for PBTs): 1.0 mg/L TTLIC (for P&Bs) (EHW): 10000 mg/kg as Se TTLIC (for PBTs): 100 mg/kg

14. TRANSPORT INFORMATION

DOT Not regulated

TDG No information available.

MEX No information available.

ICAO No information available.

IATA No information available.

IMDG/IMO No informaton available.

15. REGULATORY INFORMATION

International Inventories

TSCA Exempt
 DSL Does not Comply

U.S. 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	CAS-No	Weight %	SARA 313 - Threshold Values %
Supplier Trade Secret		0.1 - 1	1.0
Supplier Trade Secret		0.1 - 1	1.0
Supplier Trade Secret		< 0.1	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

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
Supplier Trade Secret	1000 lb	X		X
Supplier Trade Secret	10 lb	X		X
Supplier Trade Secret		X		

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product contains the following substances which are listed hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act:

Chemical Name	CAS-No	Weight %	HAPS data	VOC Chemicals	Class 1 Ozone Depletors	Class 2 Ozone Depletors
Supplier Trade Secret		0.1 - 1				
Supplier Trade Secret		< 0.1				

CERCLA

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

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs
Supplier Trade Secret	1000 lb	
Supplier Trade Secret	10 lb	

U.S. State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Supplier Trade Secret	X	X	X		X
Supplier Trade Secret	X	X	X		X

International Regulations

Mexico - Grade Slight risk, Grade 1

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class

Non-controlled

Chemical Name	NPRI
Supplier Trade Secret	X

Legend

NPRI - National Pollutant Release Inventory

16. OTHER INFORMATION

Prepared By Product Stewardship
 23 British American Blvd.
 Latham, NY 12110
 1-800-572-6501

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Revision Note No information available

General Disclaimer

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End of Safety Data Sheet