



SAFETY DATA SHEET

Section 1: Product and Company Information

Product Name: Miracle-Gro® Orchid Plant Food Mist 0.02-0.02-0.02
Product Use: Water soluble fertilizer
Supplier: Scotts Canada Ltd.
2000 Argentia Road, Plaza 5, Suite #101
Mississauga, Ontario
L5N 2R7
1-800-645-8166
www.miracle-gro.ca
Emergency Telephone: Medical Emergencies: 1-888-779-7919
Accident and Spill Emergencies: Canutec 1-613-996-6666

Section 2: Hazards Identification

Personal Protective Equipment	WHMIS	Transport Symbol
Not required for normal domestic uses.	 Not Controlled by WHMIS	Not regulated

Emergency Overview: **Appearance, Colour and Odour:** Clear solution.
While this product is not controlled under WHMIS, this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

Potential Health Effects **ACUTE (short term):**
Relevant Route(s) of Exposure: Eye, Skin.
Inhalation: Not an applicable route of exposure.
Ingestion: Adverse health effects are not known or expected with normal use of this product. Ingestion of large amounts may cause gastro-intestinal discomfort.
Skin: Prolonged contact may cause mild skin irritation.
Eye: May cause mild, temporary eye irritation and watering of the eyes.
CHRONIC (long term): see Section 11 for additional toxicological data
None known.

Medical Conditions Aggravated by Exposure: Skin contact may aggravate pre-existing dermatitis or sores.

Interactions With Other Chemicals: Not available

Potential Environmental Effects: No ecotoxicity effects are expected. Prevent release of this product into natural waterways.



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Section 3: Composition and Ingredient Information

Guaranteed Minimum analysis (according to label)

Total Nitrogen (N)	0.02%
Available Phosphate (P2O5)	0.02%
Soluble Potash (K2O)	0.02%

Section 4: First Aid Measures

Inhalation:	If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.
Eye Contact:	If in eyes, flush with plenty of water for at least 15 minutes. If irritation persists get medical attention or contact a Poison Control Centre.
Skin Contact:	If on skin, brush away excess material and wash with soap and water.
Ingestion:	If swallowed, get medical attention or contact a Poison Control Centre.

Section 5: Fire Fighting Measures

Flammable Properties:	Not flammable or combustible.
Suitable extinguishing Media:	Use extinguishing media appropriate for the surrounding fire. Dry chemical, water spray, chemical foam, carbon dioxide, water fog
Unsuitable extinguishing Media:	Not applicable
Explosion Data	
Sensitivity to Mechanical Impact:	Not applicable
Sensitivity to Static Discharge:	Not applicable
Specific Hazards arising from the Chemical:	Closed containers may rupture if involved in a fire. If involved in a fire may generate ammonia and toxic oxides of nitrogen, potassium and phosphorus.
Protective Equipment and precautions for firefighters:	Firefighters should wear full protective gear including self-contained breathing apparatus.

Section 6: Accidental Release Measures

Personal Precautions:	Not applicable
Environmental Precautions:	Prevent large spills from entering sewers or waterways.
Methods for Containment:	Stop further release.
Methods for Clean-up:	Use an inert absorbent material (i.e. paper towel, kitty litter) to clean up liquid spills.

Section 7: Handling and Storage

Handling:	Read the label before using. Avoid contact with eyes. Wash hands thoroughly after handling and before smoking or eating. Keep out of reach of children.
Storage:	Store in the original container. Protect from freezing.



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Section 8: Exposure Controls and Personal Protection

Engineering Controls: General ventilation normally adequate.

Personal Protection

Eye/Face Protection: Not required for normal domestic uses. Wear safety glasses with side shields or goggles in workplaces where airborne mist causes eye irritation and where splashing into the eyes is possible.

Skin Protection: Not normally required when used as directed.

Respiratory Protection: Not normally required when used as directed.

Work/Hygienic Practices: Wash hands after handling the product and before eating or smoking.

Section 9: Physical and Chemical Properties

Physical State:	Liquid	Flash Point & method:	Not applicable
Appearance, Colour and Odour:	Clear, odourless	Autoignition Temperature:	Not applicable
Odour Threshold:	Not available	Flammability Limits in Air:	Not applicable
pH:	7	Vapour Pressure:	Not applicable
Density:	1.0 g/mL	Vapour Density:	Not applicable
Partition coefficient:	Not applicable	Evaporation Rate:	Not applicable
Solubility in water:	Completely soluble.	Boiling Point/Range:	Similar to water
Viscosity:	Not applicable	Freezing Point:	Similar to water

Section 10: Stability and Reactivity

Chemical Stability: Stable

Conditions to Avoid: None known.

Incompatible Materials: None known.

Hazardous Decomposition Products: Not applicable. Decomposition is not expected under normal conditions of storage and use.

Possibility of Hazardous Reactions: Not applicable

Section 11: Toxicological Information

Acute Toxicity Data

<u>Product</u>	<u>LD₅₀ Oral</u> <u>(mg/kg)</u>	<u>LD₅₀ Dermal</u> <u>(mg/kg)</u>	<u>LC₅₀ Inhalation</u> <u>(mg/m³ 4 hrs.)</u>
Product	Not available	Not applicable	Not applicable

Irritation: Not irritating to skin. May cause mild, temporary eye irritation.

Corrosivity: Not applicable

Sensitization: Not applicable

Neurological Effects: Not applicable

Genetic Effects: Not applicable

Reproductive Effects: Not applicable

Developmental Effects: Not applicable

Target Organ Effects: Not applicable



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Section 11: Toxicological Information, continued

Carcinogenicity: This mixture does not contain any component that is considered a human carcinogen by IARC (International Agency for Research on Cancer), ACGIH (American Conference of Governmental Industrial Hygienists), OSHA or NTP (National Toxicology Program).

Section 12: Ecological Information

Ecotoxicity: No ecotoxicity effects are expected. Prevent release of this product into natural waterways. Product may promote growth of aquatic plants and algae.

Persistence/Degradability: Inherently bio-degradable.

Bioaccumulation/Accumulation: Not applicable

Mobility: Not available

Section 13: Disposal Considerations

Waste Disposal Method: Apply as fertilizer to field. Discard the empty container in household recycling (if available) or garbage. If product is contaminated, dispose of in an approved landfill disposal facility, in accordance with municipal or provincial regulations where they apply. Contact local authorities for disposal of large quantities of product.

Section 14: Transport Information

Canadian Transportation of Dangerous Goods (TDG): Not regulated

U.S. Hazardous Materials Regulation (DOT 49CFR): Not regulated

IMO Classification: Not regulated

Marine Pollutants: Not applicable

ICAO/IATA Classification: Not regulated

Section 15: Regulatory Information

NSNR Status (Canada: New Substance Notification Regulations): All component substances are listed, as required, on the Domestic Substances List (DSL) or are not subject to the regulations.

WHMIS (Canada: Workplace Hazardous Materials Information System)

WHMIS Classifications: Not controlled

TSCA Status (U.S. Toxic Substances Control Act): All component substances are listed on the TSCA inventory or are exempt – naturally occurring substance.

Product Name: Miracle-Gro® Orchid Plant Food Mist 0.02-0.02-0.02
Revision Date: September 30, 2013



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Section 16: Other Information

Revision date: September 30, 2013

Additional information: The information contained herein is, to the best of the Manufacturer's (see Section 1 Product and Company Information) knowledge and belief, accurate and reliable as of the date of preparation of this document. However, no warranty or guarantee, express or implied, is made as to the accuracy or reliability, and the Manufacturer shall not be liable for any loss or damage arising out of the use thereof. No authorization is given or implied to use any patented invention without a license. In addition, the Manufacturer shall not be liable for any damage or injury resulting from abnormal use, from any failure to adhere to recommended practices or from any hazards inherent in the nature of the product.

Prepared by: LEHDER Environmental Services Limited
Tel: (519) 336-4101
www.lehder.com

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