

MATERIAL SAFETY DATA SHEET

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Revision No: New MSDS

Miracle-Gro® Leaf Shine

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Miracle-Gro® Leaf Shine

PRODUCT DESCRIPTION: Leaf Shine

MANUFACTURER

The Scotts Company
Hyponex - Miracle Gro - Scotts Sierra
14111 Scottslawn Road
Marysville, OH 43041

24 HR. EMERGENCY TELEPHONE NUMBERS

CHEMTREC (U.S.): (800) 424-9300
International: 1-703-527-3887
Emergency Phone: 1-937-644-0011

2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>CAS#</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Miracle-Gro Leaf Shine		15 mg/m3	10 mg/m3

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE: Liquid

IMMEDIATE CONCERNS: High concentrations of mists may cause mild upper respiratory tract irritation with coughing and nasal discharge.

POTENTIAL HEALTH EFFECTS

EYES: May cause eye irritation.

SKIN: May cause skin irritation.

INGESTION: May cause nausea, vomiting along with mild irritation to the mouth, throat, esophagus and stomach.

INHALATION: High mist concentrations may cause mild respiratory tract irritation with coughing and nasal discharge.

ROUTES OF ENTRY: Ingestion, skin, inhalation, and eyes.

4. FIRST AID MEASURES

EYES: If in eyes, hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. Call a poison control center or doctor for treatment advice.

SKIN: If 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.

INGESTION: If 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 by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

INHALATION: Move person to fresh air. Call a poison control center or doctor for further treatment advice. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth. Call a poison control center or doctor for further treatment advice.

5. FIRE FIGHTING MEASURES

FLASHPOINT AND METHOD: Non-Combustible

EXTINGUISHING MEDIA: Water spray, carbon dioxide, fine earth, dry chemical, or sand. Use extinguishing media appropriate for the surrounding fire.

HAZARDOUS COMBUSTION PRODUCTS: Carbon monoxide and carbon dioxide.

EXPLOSION HAZARDS: Keep away from heat, sparks, or flames. Flood with water to cool containers.

FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

GENERAL PROCEDURES: Extinguish all ignition sources. Flush area with water. Do not attempt to clean-up spills without appropriate protective equipment. Large spills could possibly affect vegetation or cause illness to animals. Prevent large quantities from contacting vegetation or waterways. Keep animals away from large spills.

7. HANDLING AND STORAGE

HANDLING:

Wash hands with soap and water after handling product. Follow specific use instructions supplied with product.

STORAGE:

Store in cool, dry area in closed container or package. Keep containers closed at all times. Do not reuse

containers. Store away from incompatible materials. Use with proper personal protective equipment.
KEEP OUT OF REACH OF CHILDREN.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: If industrial hygiene surveys show that exposures exceed TLV's or other exposure limits, use a combination of local exhaust and general dilution/ventilation to control exposures.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Safety glasses with side shields are recommended.

SKIN: Protective gloves recommended. Contact glove manufacturer for more information.

RESPIRATORY: If concentrations are below all limits in Section 2, no respiratory protection is necessary. If concentrations exceed the limits in Section 2, NIOSH approved respiratory protection may be necessary. Seek professional advice prior to respirator selection or use. Follow OSHA respiratory regulations (29 CFR 1910.134). Use a positive pressure air supplied respirator if there is a potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

COLOR: White.

VAPOR PRESSURE: Non-volatile

BOILING POINT: 100°C (212°F)

SOLUBILITY IN WATER: 100%

SPECIFIC GRAVITY: 0.98

10. STABILITY AND REACTIVITY

STABLE: YES

HAZARDOUS POLYMERIZATION: NO

CONDITIONS TO AVOID: Excessive heat, contact with strong alkalis, fuels, or other combustible materials, strong oxidizing agents (permanganate, dichromate, chlorine, etc.), reducing agents, sodium nitrite, and many chlorine compounds (e.g. sodium hypochlorite, sodium chlorate, pool chemicals, household bleach and other cleaning products). Active metals such as aluminum and magnesium.

STABILITY: Stable

POLYMERIZATION: Will not occur

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide.

11. TOXICOLOGICAL INFORMATION

CARCINOGENICITY:

IARC: No

NTP: No

OSHA: No

GENERAL COMMENTS: There are limited data regarding this product. Exposure to this product can occur by eye and skin contact, ingestion, or inhalation of dusts/mists. Eye contact may cause slight, temporary irritation. Skin contact may cause mild irritation in susceptible persons. Ingestion may cause nausea, vomiting along with mild irritation to the mouth, throat, esophagus and stomach. High dust concentrations may cause mild respiratory tract irritation with coughing and nasal discharge.

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: Highly beneficial to plant life. No known adverse effects to aquatic life.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Waste disposal must be in accordance with Federal, state, and local regulations. Be aware that the waste owner has responsibility for final disposal. Regulations may also apply to empty containers, liners or rinsate. Laws may change or be reinterpreted; state and local regulations may be different from Federal regulations. This information applies to materials as manufactured; contamination or processing may change waste characteristics and requirements.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: This product is not DOT regulated

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HAZARD CATEGORIES:

FIRE: NO PRESSURE GENERATING: NO REACTIVITY: NO ACUTE: YES CHRONIC: NO

16. OTHER INFORMATION

REVISION SUMMARY

New MSDS

NFPA CODES

HEALTH: 1 FIRE: 0 REACTIVITY: 0

HMIS CODES

HEALTH: 1 FIRE: 0 REACTIVITY: 0

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