

MATERIAL SAFETY DATA SHEET



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Miracle-Gro® Garden Soil Roses 0.15-0.10-0.10

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Miracle-Gro® Garden Soil Roses 0.15-0.10-0.10
PRODUCT DESCRIPTION: Garden Soil with Plant Food

MANUFACTURER

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

PN: 33561300

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>
Manure		None	None
Ammonium Nitrate	6484-52-2	None	None
Ammonium Phosphate	7722-76-1	None	None
Calcium Phosphate	1306-06-5	None	None
Potassium Sulfate	7778-80-5	None	None
Bone Meal		None	None
Ferrous Sulfate Monohydrate (Iron Sulfate)	7720-78-7	1.0 mg/m3	1.0 mg/m3
Nuisance Dust		15 mg/m3	3 mg/m3

COMMENTS: This product is regionally formulated from organic materials (derived from one or more of the following: peat, composted forest products, aged rice hulls, or compost), sphagnum peat moss, manure (in Florida, cow manure), a wetting agent, and fertilizer. In California, regionally formulated from forest products, sphagnum peat moss, manure, a wetting agent and fertilizer. In Texas, this product is formulated with composted forest products, aged rice hulls, sphagnum peat moss, manure, a wetting agent, and fertilizer. The ACGIH Threshold Limit Values (TLV) for nuisance (inert) dusts containing < 1% crystalline silica and no asbestos are: 10 mg/m3 inhalable particulates and 3 mg/m3 respirable particulate. The OSHA TLV is 15 mg/m3 total dust, 5 mg/m3 respirable fraction. Material exposure limits are for airborne 8-hour time-weighted averages and apply only to occupational exposures.

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

IMMEDIATE CONCERNS: May irritate skin and eyes. If ingested, may cause vomiting, diarrhea, or mucus membrane irritation.

POTENTIAL HEALTH EFFECTS

EYES: May cause eye irritation.

SKIN: May cause skin irritation.

INGESTION: Practically non-toxic. May cause gastrointestinal irritation, nausea, diarrhea, or vomiting.

INHALATION: Prolonged or excessive inhalation may cause respiratory tract irritation.

MEDICAL CONDITIONS AGGRAVATED: Skin abrasions, sores, or other pre-existing skin conditions. Inhalation of dust may

aggravate asthma.

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, take off contaminated clothing, rinse skin immediately with plenty of water for 15-20 minutes. If irritation persists, 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 the poison control center or doctor. Do not give anything by mouth to an unconscious person.

INHALATION: 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 further treatment advice.

COMMENTS: See product label for specific First Aid Measures. The above measures are the most conservative and would apply in the event a product label is not immediately available.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Water spray.

HAZARDOUS COMBUSTION PRODUCTS: Thermal decomposition may produce ammonia as well as toxic oxides of carbon, nitrogen, and other metal oxides.

FIRE FIGHTING PROCEDURES: Use self-contained air supply.

FLASHPOINT: Not Applicable

6. ACCIDENTAL RELEASE MEASURES

GENERAL PROCEDURES: Sweep up spills. Use good housekeeping practices. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling.

7. HANDLING AND STORAGE

HANDLING: See label. Wash hands with soap and water after handling product. Avoid container breakage. Avoid inhalation or contact with skin, eyes, or clothing. Keep out of lakes, streams or ponds, KEEP OUT OF REACH OF CHILDREN.

STORAGE: See label. KEEP OUT OF REACH OF CHILDREN. Avoid container breakage. Store in cool, dry area in closed container or package. Keep away from feed or foodstuffs.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Use adequate ventilation to keep the airborne concentrations of this material below the recommended exposure standard.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Protective eye wear is usually not required for normal use.

SKIN: Gardening gloves are suggested.

RESPIRATORY: If airborne dust levels are high, a dust mask is recommended to avoid inhalation.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Solid
APPEARANCE: Fibrous granules.
COLOR: Dark brown
DENSITY: 18-22 lbs/cu.ft.

10. STABILITY AND REACTIVITY

STABLE: YES

HAZARDOUS POLYMERIZATION: NO

CONDITIONS TO AVOID: Protect from moisture and open flame.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition from excessive heat may release phosphorous, nitrogen, and carbon oxides, ammonia and other noxious products.

INCOMPATIBLE MATERIALS: None known.

11. TOXICOLOGICAL INFORMATION

CARCINOGENICITY:

IARC: No

NTP: No

OSHA: No

GENERAL COMMENTS: Inhalation of dust may irritate nose, throat, and lungs. Eye contact with product may produce eye irritation, tearing, and blinking as a foreign body in the eye. Prolonged or repeated skin contact with product may cause mild irritation in susceptible individuals. All materials in this product are considered to have low toxicity by the expected routes of exposure.

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: Keep out of lakes, streams, or ponds.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Read and follow label instructions. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Not DOT regulated.

SPECIAL SHIPPING NOTES: The description shown may not apply to all shipping situations. Consult 49CFR, or appropriate Dangerous Goods Regulations, for additional description requirements (e.g., technical name) and mode-specific or quantity-specific shipping requirements.

15. REGULATORY INFORMATION

GENERAL COMMENTS: Contact local authorities for proper disposal of large quantities of unused product. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

16. OTHER INFORMATION

REVISION SUMMARY New MSDS

NFPA CODES

HEALTH: 1 FIRE: 1 REACTIVITY: 0

MANUFACTURER DISCLAIMER: The information contained herein is, to the best of the Manufacturer's (see Section 1) 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.

ADDITIONAL MSDS INFORMATION: NFPA Hazard Rating: 0=Least; 1=Slight; 2=Moderate; 3=High; 4=Severe.

GENERAL STATEMENTS: This document contains health, safety, and environmental information useful to emergency response agencies, health care providers, manufacturers, and workers/employees. It does not replace the precautionary language, use directions, or the storage and disposal information found on the product label.