



# MATERIAL SAFETY DATA SHEET

Date stamp: 24-Jun-2009

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Revision Number: 2

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product name:** Miracle-Gro® Moisture Control® Potting Mix, 0.21-0.07-0.14  
**Description:** Enriched Potting Soil

**Company**  
The Scotts Company LLC  
14111 Scottslawn Road  
Marysville, OH 43041

**24-HOUR EMERGENCY TELEPHONE NUMBERS:**  
CHEMTREC (U.S.): 1-800-424-9300  
CHEMTREC (International): 1-703-527-3887  
Non-Emergency Calls: 1-937-644-0011

## 2. HAZARDS IDENTIFICATION

**OSHA Regulatory Status:** This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

### Labelling

**Signal word:** No signal word

**Precautionary Statements** Keep out of reach of children.

### Potential health effects

**Eye contact:** Contact with eyes may cause irritation.

**Skin contact:** Irritation not expected.

**Ingestion:** Considered practically non-toxic.

**Inhalation:** May cause irritation of respiratory tract.

**Aggravated Medical Conditions:** Inhalation may aggravate asthma. Pre-existing dermatitis or sores.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS-No	Weight %
Sphagnum Peat Moss	No CAS#	60-70
Peat/Forest Products/Compost	No CAS#	30-60
Processed Coconut Coir Pith	No CAS#	5-10
Perlite	93763-70-3	5-10
Calciumphosphate, Ca <sub>3</sub> (PO <sub>4</sub> ) <sub>2</sub>	7758-87-4	0.1-1
Ammonium nitrate, NH <sub>4</sub> NO <sub>3</sub>	6484-52-2	0.1-1
Potassium sulphate, K <sub>2</sub> SO <sub>4</sub>	7778-80-5	0.1-1
Ammonium phosphate	7722-76-1	0.1-1

## 4. FIRST AID MEASURES

**Eye contact:** 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 eye. Call a poison control center or doctor for treatment advice

**Skin contact:** 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:** 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 do so by a 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 by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice

## 5. FIRE-FIGHTING MEASURES

**Flammable properties:** Slow to combust under fire conditions.  
**Suitable extinguishing media:** Water spray, carbon dioxide, dry chemical, chemical foam.  
**Fire fighting procedures:** Select appropriate method to surround and extinguish fire

**5. FIRE-FIGHTING MEASURES**

**Special protective equipment for firefighters:** In the event of fire, wear self-contained breathing apparatus

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions:** Wear personal protective equipment  
**Environmental precautions:** No special environmental precautions required.  
**Methods for containment:** Clean up promptly by sweeping or vacuum.  
**Methods for cleaning up:** Flush with water.

**7. HANDLING AND STORAGE**

**Handling:** Avoid container breakage

**Storage:** Keep containers tightly closed in a cool, well-ventilated place

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

Components	ACGIH:	OSHA:
Peat/Forest Products/Compost	Not Listed	Not Listed
Perlite	Not Listed	Not Listed
Potassium sulphate, K <sub>2</sub> SO <sub>4</sub>	Not Listed	Not Listed
Ammonium nitrate, NH <sub>4</sub> NO <sub>3</sub>	Not Listed	Not Listed
Ammonium phosphate	Not Listed	Not Listed
Processed Coconut Coir Pith	Not Listed	Not Listed
Sphagnum Peat Moss	Not Listed	Not Listed
Calciumphosphate, Ca <sub>3</sub> (PO <sub>4</sub> ) <sub>2</sub>	Not Listed	Not Listed

**Engineering controls** Use adequate ventilation to keep the airborne concentrations of this material below the recommended exposure standard

**Personal Protective Equipment**

**Eye/face protection** Safety glasses  
**Skin and body protection:** Usual safety precautions while handling the product will provide adequate protection against this potential effect  
**Respiratory protection:** If airborne levels are high or product does not remain intact, use a combination of engineering controls (e.g. ventilation) and personal protection, e.g., NIOSH/MSHA approved respirator for dusts, mists, and fumes

**General hygiene considerations:** Wash hands before breaks and immediately after handling the product

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Physical State:** Solid  
**Flash point:** Not applicable  
**Odor:** Earthy  
**Color:** Dark brown  
**Appearance:** Soil-like  
**Solubility:** Insoluble

**10. STABILITY AND REACTIVITY**

**Chemically Stable:** Yes  
**Conditions to avoid:** Damp or wet conditions.  
**Materials to avoid:** None known  
**Hazardous decomposition products:** No information available  
**Possibility of hazardous reactions:** None.

**11. TOXICOLOGICAL INFORMATION****Acute toxicity**

**Eye effects:** Contact with eyes may cause irritation  
**Skin effects:** May cause skin irritation in susceptible persons

**Chronic toxicity**

**Carcinogenic effects:** The table below indicates whether each agency has listed any ingredient as a carcinogen.

Components	NTP:	IARC:	OSHA:
Peat/Forest Products/Compost	Not listed	Not listed	Not listed
Perlite	Not listed	Not listed	Not listed
Potassium sulphate, K <sub>2</sub> SO <sub>4</sub>	Not listed	Not listed	Not listed
Ammonium nitrate, NH <sub>4</sub> NO <sub>3</sub>	Not listed	Not listed	Not listed
Ammonium phosphate	Not listed	Not listed	Not listed
Processed Coconut Coir Pith	Not listed	Not listed	Not listed
Sphagnum Peat Moss	Not listed	Not listed	Not listed
Calciumphosphate, Ca <sub>3</sub> (PO <sub>4</sub> ) <sub>2</sub>	Not listed	Not listed	Not listed

**Ingestion:** Health injuries are not known or expected under normal use  
**Inhalation:** Health injuries are not known or expected under normal use

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity effects:** No known effects.  
**Persistence and degradability:** Inherently biodegradable.  
**Bioaccumulative potential:** Not applicable.  
**Mobility:** The product is insoluble and sinks in water.  
**Aquatic toxicity:** May be beneficial to plant life.

**13. DISPOSAL CONSIDERATIONS**

**Waste Disposal Methods:** In accordance with local and national regulations.  
**Contaminated packaging:** Do not re-use empty containers.

**14. TRANSPORT INFORMATION**

The description shown may not apply to all situations. Consult 49 CFR, or appropriate dangerous goods regulations for additional description requirements (e.g. technical name) and mode-specific or quantity-specific shipping requirements.

**DOT (Land)** Not DOT regulated  
**DOT (AIR)** Not DOT regulated  
**DOT (Vessel)** Not DOT regulated

**15. REGULATORY INFORMATION**

Components	CAS-No	CERCLA/SARA 313	CERCLA/SARA 302
Peat/Forest Products/Compost	No CAS#	Not Listed	Not Listed
Perlite	93763-70-3	Not Listed	Not Listed
Potassium sulphate, K <sub>2</sub> SO <sub>4</sub>	7778-80-5	Not Listed	Not Listed
Ammonium nitrate, NH <sub>4</sub> NO <sub>3</sub>	6484-52-2	Not Listed	Not Listed
Ammonium phosphate	7722-76-1	Not Listed	Not Listed
Processed Coconut Coir Pith	No CAS#	Not Listed	Not Listed
Sphagnum Peat Moss	No CAS#	Not Listed	Not Listed
Calciumphosphate, Ca <sub>3</sub> (PO <sub>4</sub> ) <sub>2</sub>	7758-87-4	Not Listed	Not Listed

**General Information** Contact local authorities for disposal of large quantities of product

**16. OTHER INFORMATION**

**NFPA:** Health: 2 Flammability: 1 Reactivity: 0  
**HMIS:** Health: 2 Flammability: 1 Reactivity: 0

**Hazard Rating:** 0=Least; 1-Slight; 2=Moderate; 3=High; 4=Severe

**General comment:** 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.

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