

2/10/16



# MATERIAL SAFETY DATA SHEET

Date stamp: 16-May-2007

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Revision Number: 1

## 1. PRODUCT AND COMPANY IDENTIFICATION

Product name: Miracle-Gro® Potting Mix, 0.21-0.07-0.14  
Description: Potting Mix

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

### Labelling

Signal word: No signal word  
Precautionary Statements: Keep away from 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.

Miracle Gro Ready To  
use potting soil mix

Aggravated Medical Conditions: Inhalation may aggravate asthma. Pre-existing dermatitis or sores.  
Principle routes of exposure: Skin, Upper respiratory tract  
Target organ effects: Irritation.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS-No	Weight %
Sphagnum Peat Moss	No CAS#	55-65
Composted Bark	No CAS#	20-40
Perlite	93763-70-3	5-10
Ammoniumnitrate, NH4NO3	6484-52-2	0.1-1
Ammonium Phosphate	7722-76-1	0.1-1
Calciumphosphate, Ca3(PO4)2	7758-87-4	0.1-1
Potassium sulphate, K2SO4	7778-80-5	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: May burn 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  
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:
Perlite	Not Listed	Not Listed
Potassium sulphate, K <sub>2</sub> SO <sub>4</sub>	Not Listed	Not Listed
Sphagnum Peat Moss	Not Listed	Not Listed
Composted Bark	Not Listed	Not Listed
Calciumphosphate, Ca <sub>3</sub> (PO <sub>4</sub> ) <sub>2</sub>	Not Listed	Not Listed
Ammonium Phosphate	Not Listed	Not Listed
Ammoniumnitrate, NH <sub>4</sub> NO <sub>3</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:** Protective eye wear is normally not required but suggested so contact can be avoided.  
**Skin and body protection:** No special protective clothing is required under normal workplace conditions.  
**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  
**Color:** Dark brown  
**Solubility:** Insoluble  
**Appearance:** Soil-like  
**Odor:** Earthy  
**Flash point:** Not applicable

**10. STABILITY AND REACTIVITY**

**Chemically Stable:** Yes  
**Conditions to avoid:** Damp or wet conditions.  
**Materials to avoid:** None known  
**Hazardous decomposition products:** Toxic fumes and gases may be generated.  
**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:
Perlite	Not listed	Not listed	Not listed
Potassium sulphate, K <sub>2</sub> SO <sub>4</sub>	Not listed	Not listed	Not listed
Sphagnum Peat Moss	Not listed	Not listed	Not listed
Composted Bark	Not listed	Not listed	Not listed
Calciumphosphate, Ca <sub>3</sub> (PO <sub>4</sub> ) <sub>2</sub>	Not listed	Not listed	Not listed
Ammonium Phosphate	Not listed	Not listed	Not listed
Ammoniumnitrate, NH <sub>4</sub> NO <sub>3</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  
**Target organ effects:** Irritation.

**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:** Not considered to be toxic to aquatic organisms.

**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**  
**Proper shipping name:** Not regulated

**15. REGULATORY INFORMATION**

Components	CAS-No	CERCLA/SARA 313	CERCLA/SARA 302
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
Sphagnum Peat Moss	No CAS#	Not Listed	Not Listed
Composted Bark	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
Ammonium Phosphate	7722-76-1	Not Listed	Not Listed
Ammoniumnitrate, NH <sub>4</sub> NO <sub>3</sub>	6484-52-2	Not Listed	Not Listed

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

**16. OTHER INFORMATION**

**NEPA:** Health: 1 Flammability: 1 Reactivity: 0  
**HMIS:** Health: 1 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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