



# MATERIAL SAFETY DATA SHEET

Date stamp: 06-Oct-2005

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## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product name:** Miracle-Gro® Shake 'n Feed Continuous Release All Purpose Plant Food, 10-10-10  
**Description:** Slow Release Fertilizer

**Company**  
The Scotts Company  
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

**Formula No.:** S9689

## 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 Statement** 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. Possible gastrointestinal tract irritation.

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

**Aggravated Medical Conditions:** Inhalation may aggravate asthma.

**Principle routes of exposure:** Skin, Inhalation

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS-No	Weight %
Sulphur, S	7704-34-9	-
Potassium chloride, KCl	7447-40-7	-
Ammoniumsulphate, (NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub>	7783-20-2	-
Ammonium Phosphate	7722-76-1	-

## 4. FIRST AID MEASURES

**Eye contact:** Hold eye open and rins 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:** Decomposes on heating.  
**Suitable extinguishing media:** Water spray, carbon dioxide, dry chemical, chemical foam  
**Explosion potential:** Dust clouds may be explosive.  
**Explosive properties:** No information available.  
**Hazardous combustion products:** Combustion can produce toxic fumes and irritating gases.  
**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:** Prevent product from entering drains  
**Methods for containment:** Use good housekeeping practices. Clean up promptly by sweeping or vacuum.  
**Methods for cleaning up:** If material is uncontaminated, collect and reuse as recommended for product.

## 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:
Ammoniumsulphate, (NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub>	Not Listed	Not Listed
Ammonium Phosphate	Not Listed	Not Listed
Sulphur, S	Not Listed	Not Listed
Potassium chloride, KCl	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:** Eye/face protection is not required, but is recommended in manufacturing situations where contact may occur.

**Skin and body protection:** Wear suitable protective clothing if contact is anticipated during manufacturing. Impermeable gloves.

**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

<b>Physical State:</b>	Solid	<b>Appearance:</b>	Granular
<b>Color:</b>	Green	<b>Odor:</b>	Fertilizer
<b>Bulk density:</b>	60-65 lbs/cu.ft.	<b>Solubility:</b>	No information available
<b>Flash point:</b>	Not applicable		

## 10. STABILITY AND REACTIVITY

**Chemically Stable:** Yes  
**Conditions to avoid:** Damp or wet conditions. Extreme heat.  
**Materials to avoid:** Oxidizing agents. Metals. Bases.  
**Hazardous decomposition products:** Toxic fumes and gases may be generated. Metal oxides possible.  
**Possibility of hazardous reactions:** Poses little or no immediate hazard.

## 11. TOXICOLOGICAL INFORMATION

### Acute toxicity

**Eye effects:** Contact with eyes may cause irritation

**Skin effects:** May cause skin irritation and/or dermatitis

### Chronic toxicity

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

Components	NTP:	IARC:	OSHA:
Ammoniumsulphate, (NH4)2SO4	Not listed	Not listed	Not listed
Ammonium Phosphate	Not listed	Not listed	Not listed
Sulphur, S	Not listed	Not listed	Not listed
Potassium chloride, KCl	Not listed	Not listed	Not listed

**General Information** Very low toxicity for humans and animals  
**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 data is available on the product itself.  
**Persistence and degradability:** Inherently biodegradable. Non-persistent.  
**Bioaccumulative potential:** Does not bioaccumulate.  
**Mobility:** Water contaminating.  
**Aquatic toxicity:** May be beneficial to plant life.  
**Additional ecological information:** Do not apply directly to lakes, streams, or ponds.

## 13. DISPOSAL CONSIDERATIONS

**Waste Disposal Methods:** Apply as fertilizer to field. Dispose of in accordance with local regulations and national regulations.  
**Contaminated packaging:** Do not re-use empty containers. If empty, place in trash or offer for recycling if available.

## 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
Ammoniumsulphate, (NH4)2SO4	7783-20-2	Not Listed	Not Listed
Ammonium Phosphate	7722-76-1	Not Listed	Not Listed
Sulphur, S	7704-34-9	Not Listed	Not Listed
Potassium chloride, KCl	7447-40-7	Not Listed	Not Listed

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

## 16. OTHER INFORMATION

**NFPA:** 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.

**Revision date:** 04-Aug-2005

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