



MATERIAL SAFETY DATA SHEET

Date stamp: 23-Sep-2008

MSDS Ref. No.: 100252

Revision Number: 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: Miracle-Gro® Indoor All Purpose Plant Food Spikes, 6-12-6

Description: Fertilizer

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

Formula No.: S9397

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. 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 %
Ureaformaldehyde	9011-05-6	10-30
Triple Superphosphate, TSP	7758-23-8	10-30
Magnesium sulphate, MgSO4	7487-88-9	1-5
Zinc-EDTA	14025-21-9	1-5
Copper-EDTA	14025-15-1	1-5
Iron HEDTA	17084-02-5	3-7
Manganese-EDTA	15375-84-5	<1.0
Boric acid, H3BO3	10043-35-3	<1.0
Potassium sulphate, K2SO4	7778-80-5	7-13

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

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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 explosion risk.
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:
Triple Superphosphate, TSP	Not Listed	Not Listed
Ureaformaldehyde	Not Listed	Not Listed
Magnesium sulphate, MgSO ₄	Not Listed	Not Listed
Potassium sulphate, K ₂ SO ₄	Not Listed	Not Listed
Iron HEDTA	1 mg/m ³ TWA	Not Listed
Manganese-EDTA	Not Listed	Not Listed
Zinc-EDTA	Not Listed	Not Listed
Copper-EDTA	Not Listed	Not Listed
Boric acid, H ₃ BO ₃	2 mg/m ³ TWA	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. Impervious 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

Physical State:	Solid	Color:	Light blue
Flash point:	Not applicable	Appearance:	Cylinder
Odor:	Fertilizer	Solubility:	Partly soluble

10. STABILITY AND REACTIVITY

Chemically Stable:	Yes
Conditions to avoid:	Damp or wet conditions. Extreme heat.
Materials to avoid:	Oxidizing agent.
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:
Triple Superphosphate, TSP	Not listed	Not listed	Not listed
Ureaformaldehyde	Not listed	Not listed	Not listed
Magnesium sulphate, MgSO ₄	Not listed	Not listed	Not listed
Potassium sulphate, K ₂ SO ₄	Not listed	Not listed	Not listed
Iron HEDTA	Not listed	Not listed	Not listed
Manganese-EDTA	Not listed	Not listed	Not listed
Zinc-EDTA	Not listed	Not listed	Not listed
Copper-EDTA	Not listed	Not listed	Not listed
Boric acid, H ₃ BO ₃	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:

Slightly 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:**

Contaminated product should be disposed of in an approved landfill disposal facility in accordance with applicable Federal/ Provincial, and/or local 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 (Land)

Not DOT regulated

DOT (AIR)

Not DOT regulated

DOT (Vessel)

Not DOT regulated

15. REGULATORY INFORMATION

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Components	CAS-No	CERCLA/SARA 313	CERCLA/SARA 302
Triple Superphosphate, TSP	7758-23-8	Not Listed	Not Listed
Ureaformaldehyde	9011-05-6	Not Listed	Not Listed
Magnesium sulphate, MgSO4	7487-88-9	Not Listed	Not Listed
Potassium sulphate, K2SO4	7778-80-5	Not Listed	Not Listed
Iron HEDTA	17084-02-5	Not Listed	Not Listed
Manganese-EDTA	15375-84-5	Not Listed	Not Listed
Zinc-EDTA	14025-21-9	Not Listed	Not Listed
Copper-EDTA	14025-15-1	Not Listed	Not Listed
Boric acid, H3BO3	10043-35-3	Not Listed	Not Listed

General Information

Contact local authorities for disposal of large quantities of product

16. OTHER INFORMATION**NFPA:** Health: 1 Flammability: 0 Reactivity: 0**HMIS:** Health: 1 Flammability: 0 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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