

MATERIAL SAFETY DATA SHEET

Date-Issued: 09/20/2000

MSDS Ref. No: 2305-8

Date-Revised: 11/21/2000

Revision No: New MSDS

Scotts® Turf Builder® Lawn Fertilizer with 2% Iron 27-3-4

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Scotts® Turf Builder® Lawn Fertilizer with 2% Iron 27-3-4

PRODUCT DESCRIPTION: Lawn Fertilizer with Iron

MANUFACTURER

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

24 HR. EMERGENCY TELEPHONE NUMBERS

CHEMTREC (U.S.): (800) 424-9300
International: 1-703-527-3887
Emergency Phone: 1-937-644-0011

COMMENTS: Applicable Product Code/Stock Number: 2305-8 and 2310-8.

2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>CAS#</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Urea	57-13-6	None	None
Ammonium Phosphate	7722-76-1	None	None
Ammonium Sulfate	7783-20-2	None	None
Potassium Sulfate	7778-80-5	None	None
Ferrous Sulfate	7782-63-0	1 mg Fe/m ³	1 mg Fe/m ³
Manganese Oxide	1344-43-0	5 mg Mn/m ³	5 mg Mn/m ³
Manganese Sulfate	7785-87-7	5 mg Mn/m ³	5 mg Mn/m ³
Nuisance Dust		15 mg/m ³	3 mg/m ³

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE: Granular

IMMEDIATE CONCERNS: May cause skin and eye irritation.

POTENTIAL HEALTH EFFECTS

EYES: May cause eye irritation.

SKIN: May cause skin irritation.

INGESTION: Possible nausea, vomiting, diarrhea.

INHALATION: Inhalation of heavy concentrations of manganese-containing dusts over very prolonged periods of exposure (usually 1 to 3 years) has been reported to cause damage to the central nervous system.

MEDICAL CONDITIONS AGGRAVATED: Inhalation of dust may aggravate asthma.

ROUTES OF ENTRY: Ingestion

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 or clothing, 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: 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 a poison control center or doctor. Do not give anything by mouth to an unconscious person.

INHALATION: Move person to fresh air. Call a poison control center or doctor for further treatment advice. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth. Call a poison control center or doctor for further treatment advice.

5. FIRE FIGHTING MEASURES

FLASHPOINT AND METHOD: Not Applicable

EXTINGUISHING MEDIA: Dry chemical or select appropriate method of extinguishing surrounding fire. Contain any run-off as ingredients may be toxic to aquatic organisms.

HAZARDOUS COMBUSTION PRODUCTS: In a fire, ammonia and oxides of nitrogen, carbon, potassium, phosphorus, and sulfur may be generated.

FIRE FIGHTING PROCEDURES: Use self-contained air supply. Contain run-off as ingredients may be toxic to aquatic organisms.

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. Remove to approved landfill.

7. HANDLING AND STORAGE

HANDLING:

See label. Wash hands with soap and water after handling product. Avoid bag breakage. Avoid inhalation or contact with skin, eyes, or clothing. Do not contaminate water when disposing of equipment wash waters. 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 food 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 normally not required but is suggested so contact can be avoided.

SKIN: No special protective clothing is required under normal use conditions. Wear long pants, shoes, and socks when applying the product. Avoid tracking product into the home.

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

COMMENTS: 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.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Granular

10. STABILITY AND REACTIVITY

STABLE: YES

HAZARDOUS POLYMERIZATION: NO

CONDITIONS TO AVOID: None known.

STABILITY: Stable

POLYMERIZATION: Will not occur

HAZARDOUS DECOMPOSITION PRODUCTS: In a fire, ammonia and oxides of nitrogen, carbon, potassium, phosphorus, and sulfur may be generated.

INCOMPATIBLE MATERIALS: None Known.

11. TOXICOLOGICAL INFORMATION

CARCINOGENICITY:

IARC: No

NTP: No

OSHA: No

GENERAL COMMENTS: Eye contact with urea powder has caused reversible corneal opacity along with irritation, tearing, and blinking as a foreign body in the eye. Skin contact with powdered urea may cause only mild irritation while ingestion may cause nausea, vomiting, and possible excitement and convulsions. High concentrations of dusts may cause upper respiratory tract irritation with coughing, nasal discharge, sore throat sneezing and shortness of breath. There is no data available regarding potential carcinogenic effect to humans following exposure to urea. Existing data regarding the mutagenic effects of urea are inconclusive.

12. ECOLOGICAL INFORMATION

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

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Securely wrap original container in several layers of newspaper and discard in trash. Do not reuse bag.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: This product is not DOT regulated

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HAZARD CATEGORIES:

**FIRE: NO PRESSURE GENERATING: NO REACTIVITY: NO ACUTE: YES
CHRONIC: NO**

16. OTHER INFORMATION

REVISION SUMMARY

New MSDS

NFPA CODES

HEALTH: 2 FIRE: 0 REACTIVITY: 0

HMIS CODES

HEALTH: 2 FIRE: 0 REACTIVITY: 0

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