MATERIAL SAFETY DATA SHEET

Date-Issued: 11/10/2000
MSDS Ref. No: 228050
Date-Revised: 11/28/2000
Revision No: New MSDS
Scotts® Evergreen, Shrub & Tree Food 31-3-10

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Scotts® Evergreen, Shrub & Tree Food 31-3-10
PRODUCT DESCRIPTION: Evergreen, Shrub & Tree Food

MANUFACTURER

The Scotts Company
Earthgro - Hyponex - Miracle Gro - Scotts
Scotts Sierra - Swiss Farms
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

2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS#	OSHA PEL	ACGIH TLV
Urea	57-13-6	None	None
Ammonium Phosphate	7722-76-1	None	None
Potassium Sulfate	7778-80-5	None	None
Manganese Sulfate	7785-87-7	5 mg (Mn)/m3	5 mg (Mn)/m3
Iron Sulfate	7782-63-0	1 mg (Fe)/m3	1 mg (Fe)/m3
Nuisance Dust		15 mg/m3	3 mg/m3

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: Excessive inhalation of dust may cause irritation and coughing.

ACUTE TOXICITY:

Inhalation of heavy concentrations of maganese-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 aggrevate asthma in susceptible individuals. Prolonged skin contact may cause mild skin irritation.

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 the 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 mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Material is non-flammable. Use extinguishing media suitable for the surrounding fire.

EXPLOSION HAZARDS: In a fire, urea and methylene urea nitrogen sources can generate ammonia. Also, oxides of carbon, nitrogen, phosphorus, potassium, iron, and sulfur may be formed.

FIRE FIGHTING PROCEDURES: Use self-contained air supply. Ammonium is toxic to aquatic organisms. Keep runoff from reaching any body of water.

HAZARDOUS DECOMPOSITION PRODUCTS: In a fire, urea and methylene urea nitrogen sources can generate ammonia. Also, oxides of carbon, nitrogen, phosphorus, potassium, iron, and sulfur may be generated.

6. ACCIDENTAL RELEASE MEASURES

GENERAL PROCEDURES: Sweep up spills. Use good housekeeping practices. Avoid contact with skin, eyes, or clothing. Wash throughly with soap and water after handling. Do no contaminate water when disposing of equipment washwaters. Keep out of lakes, streams, or ponds. Remove to approved landfill.

7. HANDLING AND STORAGE

HANDLING:

See label. Wash hands with soap and water after handling product. Avoid container breakage. Avoid inhalation or contact with skin, eyes, or clothing. Do not contaiminate 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 feed 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: Gloves are not required under normal conditions of use. Water-proof gloves are suggested for sensitive individuals or where prolonged skin contact may cause mild irritation.

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: Fire conditions.

STABILITY: Stable

POLYMERIZATION: Will not occur

HAZARDOUS DECOMPOSITION PRODUCTS: Urea and methylene ureas will generate ammonia in a fire. Oxides of nitrogen, carbon, phosphorus, potassium, maganese,iron, and sulfur may be generated.

INCOMPATIBLE MATERIALS: Corrosive to metals.

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: Remove to approved landfill.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: This product is not DOT regulated when transported over land in non-bulk packaging.

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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