

# MATERIAL SAFETY DATA SHEET

**Date-Issued:** 10/11/2002  
**MSDS Ref. No:** 100950  
**Date-Revised:** 10/11/2002  
**Revision No:** New MSDS

Scotts® Rose & Bloom Slow Release Plant Food 12-4-8

## 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Scotts® Rose & Bloom Slow Release Plant Food 12-4-8

**PRODUCT DESCRIPTION:** Slow-Release Fertilizer

### MANUFACTURER

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

**PN:** S10542

### 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

<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
Potassium Chloride	7447-40-7	None	None
Sulfur	7704-34-9	None	None
Nuisance Dust		15 mg/m <sup>3</sup>	3 mg/m <sup>3</sup>

**COMMENTS:** The ACGIH Threshold Limit Values (TLV) for nuisance (inert) dusts containing < 1% crystalline silica and no asbestos are: 10 mg/m<sup>3</sup> inhalable particulates and 3 mg/m<sup>3</sup> respirable particulate. The OSHA TLV is 15 mg/m<sup>3</sup> total dust, 5 mg/m<sup>3</sup> respirable fraction.

## 3. HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

**IMMEDIATE CONCERNS:** Irritation of eyes, nose, or mouth.

### POTENTIAL HEALTH EFFECTS

**EYES:** May cause eye irritation.

**SKIN:** May cause skin irritation.

**INGESTION:** May cause nausea, vomiting along with mild irritation to the mouth, throat, esophagus and stomach.

**INHALATION:** Inhalation of dust may irritate nose, throat, and lungs.

**MEDICAL CONDITIONS AGGRAVATED:** Skin abrasions, sores, or other pre-existing skin conditions. Inhalation of dust may aggravate asthma. Product coating is expected to minimize airborne exposure and contact with fertilizer components.

**ROUTES OF ENTRY:** Ingestion, skin, inhalation, and eyes.

---

## 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.

**COMMENTS:** See product label for specific First Aid Measures. The above measures are the most conservative and would apply in the event a product label is not immediately available.

---

## 5. FIRE FIGHTING MEASURES

**FLASHPOINT AND METHOD:** Decomposes on heating

**EXTINGUISHING MEDIA:** Water

**EXPLOSION HAZARDS:** Decomposes on heating to emit ammonia and toxic oxides of nitrogen, potassium, and sulfur. High airborne dust concentrations have the potential for explosion.

**FIRE FIGHTING PROCEDURES:** Evacuate area. Flood with water to cool containers.

**FIRE FIGHTING EQUIPMENT:** Wear self-contained breathing apparatus to fight large fires.

**HAZARDOUS DECOMPOSITION PRODUCTS:** In a fire, toxic oxides of nitrogen, potassium, and sulfur, as well as ammonia may be produced.

---

## 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. Avoid dusting or misting conditions during cleanup. If material is uncontaminated, collect and reuse as recommended for product. If contaminated, put in appropriate

container and dispose. Keep spills away from drinking water supplies. After cleaning up spill, flush area with water.

---

## 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. 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:** Ventilation and personal protection are recommended whenever dust levels are high or product does not remain intact. Running water should be available in case material gets in eyes. Ingredients with occupational exposure limits comprise a small percentage of the total product. For this reason, it is not expected that these limits will be exceeded unless the nuisance dust standards are exceeded.

### PERSONAL PROTECTIVE EQUIPMENT

**EYES AND FACE:** None required for routine use as fertilizer. High airborne workplace dust levels or mists of product dissolved in liquid may be irritating; use chemical goggles.

**SKIN:** None required for normal use. If prolonged or repeated use irritates skin, use neoprene or PVC gloves.

**RESPIRATORY:** If airborne dust 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) to reduce exposures to acceptable levels.

---

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Solid

**APPEARANCE:** Granular

**COLOR:** Multi-colored.

**MELTING POINT:** Decomposes on heating

**SPECIFIC GRAVITY:** 1.1 to 1.4

---

## 10. STABILITY AND REACTIVITY

**STABLE:** YES

**HAZARDOUS POLYMERIZATION:** NO

**CONDITIONS TO AVOID:** Extreme heat. Contact with fuels and other organic or combustible materials. Active metals such as aluminum and magnesium. Strong reducing agents.

**INCOMPATIBLE MATERIALS:** Strong reducing agents. Active metals such as aluminum and magnesium.

---

## 11. TOXICOLOGICAL INFORMATION

### CARCINOGENICITY:

**CARCINOGENICITY COMMENTS:** IARC: No; NTP: No; OSHA: No

**GENERAL COMMENTS:** Little toxicology information is available for this product. Prolonged or repeated contact with fertilizer may irritate eyes and skin. Inhalation of dust may irritate nose, throat, and lungs. Eye contact with urea powder may produce eye irritation, tearing, and blinking as a foreign body in the eye. Skin contact with powdered urea may cause mild irritation.

---

## 12. ECOLOGICAL INFORMATION

**ECOTOXICOLOGICAL INFORMATION:** Keep spills away from drinking water supplies.

---

## 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Apply as fertilizer to field. If product is contaminated, dispose of in an approved landfill disposal facility, in accordance with applicable federal, state, and local regulations.

---

## 14. TRANSPORT INFORMATION

### DOT (DEPARTMENT OF TRANSPORTATION)

**PROPER SHIPPING NAME:** Not DOT regulated.

**SPECIAL SHIPPING NOTES:** The description shown may not apply to all shipping situations. Consult 49CFR, or appropriate Dangerous Goods Regulations, for additional description requirements (e.g., technical name) and mode-specific or quantity-specific shipping requirements.

---

## 15. REGULATORY INFORMATION

**GENERAL COMMENTS:** Contact local authorities for proper disposal of large quantities of unused product.

---

## 16. OTHER INFORMATION

**REVISION SUMMARY** New MSDS

### NFPA CODES

**HEALTH: 2   FIRE: 0   REACTIVITY: 1**

**MANUFACTURER DISCLAIMER:** The information contained herein is, to the best of the Manufacturer's (see Section 1) knowledge and belief, accurate and reliable as of the date of preparation of this document. However, no warranty or guarantee, express or implied, is made as to the accuracy or reliability, and the Manufacturer shall not be liable for any loss or damage arising out of the use thereof. No authorization is given or implied to use any patented invention without a license. In addition, the Manufacturer shall not be liable for any damage or injury resulting from abnormal use, from any failure to adhere to recommended practices or from any hazards inherent in the nature of the

product.

**ADDITIONAL MSDS INFORMATION:** NFPA Hazard Rating: 0=Least; 1=Slight; 2=Moderate; 3=High; 4=Severe.

**GENERAL STATEMENTS:** 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.