

**Gro Tec, Inc.**  
**P.O. Box 290 - Madison, Ga 30650**  
**Material Safety Data Sheet**

**Pennington Smart 1 Feed Rose & Flower Fertilizer 12-8-8**

This product is used by Homeowners and Professionals

September 2011

Page 1 of 3

**SECTION 1 - PRODUCT IDENTIFICATION**

Chemtrec Transport Emergency

Non-Transportation Emergency - Poison Control Center

Telephone: 1-800-424-9300

Pennington/Gro Tec: 706-342-1234 Atlanta: 1-800-282-5846

EPA Reg. Number: Not required

Chemical Name: Plant Food Sources of: Nitrogen "N", Phosphorous "P<sub>2</sub>O<sub>2</sub>", and Potash "K<sub>2</sub>O"

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**SECTION 2 - COMPOSITION**

<u>Component</u>	<u>Percentage</u>	<u>ACGIH Exposure Limit</u>	<u>OSHA Exposure Limit</u>
Fertilizer components including:	100%	TLV - N/E	PEL - 15 mg/m <sup>3</sup> (dust, product)
- Urea [57-13-6]			
- Muriate of Potash [7447-40-7]			
- Diammonium Phosphate [7783-28-0]			
- SurfCote			
- Gypsum			
- Corn cob or peanut shell granules			
- May contain secondary micronutrient plant food such as: sulfur, magnesium, boron, copper, iron, manganese, molybdenum, and zinc			

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**SECTION 3 - HEALTH HAZARD DATA**

EMERGENCY OVERVIEW

A blend of reddish, brown, gray and white granules with a slight ammonia odor.

\* May cause eye irritation.

**ROUTES OF ENTRY:** Inhalation and contact.

**EYES:** May cause eye irritation from dust exposure.

**INHALATION:** Product may cause irritation of the eyes, nose, throat and mucus membranes on inhalation of dust.

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**SECTION 4 - FIRST AID**

**IF SWALLOWED:** Call a physician. Induce vomiting by giving victim 1 or 2 glasses of water and touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious or convulsing person.

**IF INHALED:** Remove victim to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth. Get medical attention.

**IF IN EYES:** Flush with plenty of water. Call a physician if irritation persists.

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**SECTION 5 - FIRE & EXPLOSION HAZARDS**

**FLASH POINT:** > 500°F

**EXTINGUISHING MEDIA :** Water, foam for bags.

**SPECIAL FIRE FIGHTING PROCEDURES:** Fertilizer mineral product is not likely to burn/flash. This product does not contain Ammonium Nitrate. Use self contained breathing apparatus as protection against basic smoke hazard.

**UNUSUAL FIRE OR EXPLOSION HAZARDS:** Keep away from heat and open flame. Remove containers from fire area. Paper bags may burn; plastic melt. Contains no explosive ingredients, consequently product is not likely to explode.

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Page 2 of 3

### SECTION 6 - SPILL & LEAK PROCEDURES

Sweep up and place product in labeled bags. If physical properties are not changed, (i.e. if product has not become wet or mixed with foreign material), it may be used for the specified fertilizer purposes.

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### SECTION 7 - STORAGE & HANDLING

Storage: Store product in its original labeled bag in a cool, dry locked place out of reach of children.

Storage Temperatures: Ambient (Average Warehouse) Temperatures.

Shelf Life: 3-5 years

Handling: Do not get in eyes. Do not breath dust. Avoid contact with skin or clothing. Wash thoroughly with soap and water after handling.

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### SECTION 8 - SPECIAL PROTECTION INFORMATION

Respirator Type: Dust mask may be preferred in production or briefly when transferring product to spreader. None required during application.

Eye Protection: Protective eyewear against possible airborne dust.

Gloves: Work gloves are recommended.

Other Protection: Shoes plus socks.

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### SECTION 9 - PHYSICAL DATA

Physical Form: Dry, free flowing Prill/Granules

Color: Blend of Reddish/Brown/Gray/White

Vapor Pressure: N/E

Bulk Density: 70 - 80 lbs/cu.ft.

Odor: Salt type/Slight Ammonia

Specific Gravity: 1.1 - 1.3

Flash Point: > 500°F

pH: > 7.0

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### SECTION 10 - REACTIVITY DATA

Stability: Stable.

Polymerization: Will not occur

Conditions To Avoid: Keep product dry since moisture will harden product and render it unstable.

Decomposition Products: Ammonia, Buiret, Carbon Dioxide, Carbon Monoxide.

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### SECTION 11 - TOXICOLOGICAL INFORMATION

LD<sub>50</sub> ORAL (rat) - N/E

LD<sub>50</sub> DERMAL (rabbit) - N/E

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### SECTION 12 - ECOLOGICAL INFORMATION

No data available.

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Page 3 of 3

## SECTION 13 - DISPOSAL

**Product Disposal:** Do not contaminate water, food or feed by storage or disposal. Excess product may be disposed of on site or at an approved waste disposal facility or used as directed or use product as instructed.

**Container Disposal:** Do not re-use empty containers. Wrap in several layers of newspaper and discard in trash.

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## SECTION 14 - TRANSPORTATION

D.O.T. Shipping Name: Garden Fertilizer

D.O.T. Hazard Class: N.O.S. Non-hazardous. No RQ required.

D.O.T. Labels Required: None

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## SECTION 15 - REGULATORY INFORMATION

**SARA TITLE III:** This product contains no material listed under SARA 313.

**IARC, NTP, OSHA Carcinogen:** No ingredient in this material is listed as a carcinogen.

**CALIFORNIA:** This product contains no ingredients listed on Proposition 65.

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## SECTION 16 - OTHER INFORMATION

### NOTICE FROM GRO TEC, INC.

The information contained herein is offered only as a guide to the handling of this specific material. Since such information does not relate to use of the material with any other material or in any process, any person using this information must determine for himself its suitability for any particular application. The buyer and user assumes all risk and liability of use, storage and/or handling of this product not in accordance with the terms of the product label.

#### ABBREVIATIONS KEY:

N/A = Not available or applicable

N/E = Not established

TLV=Threshold Limit Value

PEL= Permissible Exposure Limit