



## STOLLER ENTERPRISES, INC.

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### ROOT FEED II

### MATERIAL SAFETY DATA SHEET - (02/04)

#### SECTION I. PRODUCT IDENTIFICATION

##### IBMS HAZARD RATINGS

HEALTH HAZARD 1 FIRE HAZARD 0 REACTIVITY 0

##### SARA/TITLE III HAZARD CATEGORIES (See Section X)

Immediate (ACUTE) Health: No Delayed (Chronic) Health: Yes  
Reactive Hazard: No Fire Hazard: No Sudden Release of Pressure: No

Company Name: STOLLER ENTERPRISES, INC.  
Address: 4001 West Sam Houston Pkwy N., Houston, Texas 77043 U.S.A.  
**Emergency Phone Number: CHEMTREC 1-800-424-9300**  
Phone Number for Information: 713-461-1493  
Chemical Family: NA - Mixture  
Chemical Name & Synonyms: Nitrogen - Phosphate - Potash Fertilizers  
Formula: Proprietary  
Tradename & Synonyms: **ROOT FEED II 5-10-27**

#### SECTION II. COMPOSITION/INGREDIENTS INFORMATION

INGREDIENTS:	CAS #	Approx. %	TLV
Urea	57-13-6	2.2%	10mg/m <sup>3</sup>
Urea Phosphate	4861-19-2	23.0%	
KCl	7447-40-7	47.0%	10mg/m <sup>3</sup>
CaCl <sub>2</sub>	10043-52-4	11.5%	
MgCl <sub>2</sub>	7786-30-3	6.5%	
EDTA	62-33-9	1.4%	

Other ingredients constitute 1% or less each in the formulation.

#### SECTION III. PHYSICAL AND CHEMICAL CHARACTERISTICS

**BOILING POINT:** Not known **VAPOR PRESSURE (mm/Hg):** Non volatile  
**MELTING POINT:** Not known **VAPOR DENSITY (air = 1):** Non volatile  
**SPECIFIC GRAVITY:** 1.95 **REACTIVITY IN WATER:** N/A  
**SOLUBILITY IN WATER:** >98% **OTHER:** Insoluble in Alcohol  
**APPEARANCE AND ODOR:** White to yellowish powder. Odorless.

#### SECTION IV. FIRE AND EXPLOSION DATA

**FLASH POINT:** Non Flammable **METHODS USED:** N/A  
**FLAMMABLE LIMITS:** Non Flammable **LEL:** N/A **UEL:** N/A  
**AUTOIGNITION TEMPERATURE:** N/A  
**EXTINGUISHER MEDIA:** All methods necessary to fight surrounding fire.  
**SPECIAL FIRE FIGHTING PROCEDURES:** None

#### SECTION V. PHYSICAL HAZARDS (REACTIVITY DATA)

**STABILITY:** Stable  
**CONDITIONS TO AVOID:** Exposure to humid conditions. Material is hygroscopic.  
**INCOMPATIBILITY, MATERIALS TO AVOID:** Oxidizers  
**HAZARDOUS DECOMPOSITION PRODUCTS:**  
**HAZARDOUS POLYMERIZATION:** **MAY OCCUR:** No **WILL NOT OCCUR:** Yes

**SECTION VI. HEALTH HAZARDS****A. Chemical(s) listed as carcinogen or potential carcinogens:****OSHA:** No                      **NATIONAL TOXICOLOGY PROGRAM:** No                      **I.A.R.C. MONOGRAPHS:** No**B. SIGNS & SYMPTOMS OF EXPOSURE:**

Possible irritation to eyes, skin, nose and throat. Large doses may cause nausea, vomiting and diarrhea. Systemic oral toxicity is extremely rare and has consisted of acidosis and hypocalcemic tetany.

**C. EMERGENCY FIRST AID PROCEDURES:****EYES:** Rinse thoroughly with water. If irritation occurs and persists, obtain medical attention.**SKIN:** Wash thoroughly with soap and water.**INHALATION:** Remove victim from exposure to fresh air. If breathing difficulties occur, get medical attention.**INGESTION:** Rinse mouth and dilute stomach contents with water, or preferably with milk if available if victim is conscious. Seek medical attention.**D. ADDITIONAL INFORMATION:** Decontamination procedure: wash thoroughly with soap and water.**SECTION VII. SPECIAL PRECAUTIONS & SPILL/LEAK PROCEDURES****HANDLING AND STORAGE:** Store in dry area for product quality assurance. Material is hygroscopic.**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED:** Recover as much as possible for reuse by scooping, sweeping, etc. Material should be contained and placed in dry containers.**WASTE DISPOSAL METHODS:** Consult and follow applicable Federal, State, and Local regulations. The material can be disposed of by spreading on the soil as a fertilizer considering good agricultural management.**SECTION VIII - SPECIAL PROTECTION / CONTROL MEASURES****RESPIRATORY PROTECTION:** NIOSH/MSHA approved respirator since airborne dust is expected when handling.**VENTILATION:****LOCAL EXHAUST:** Suggested if working indoors.**SPECIAL VENTILATION:** No special needs when working in well ventilated areas.**OTHER VENTILATION NEEDS:****MECHANICAL:****PROTECTIVE GLOVES:** Wearing of work gloves is suggested always when handling chemicals.**EYE PROTECTION:** Safety goggles, in the likelihood of splashes when solubilizing or airborne dust is expected.**OTHER SPECIAL CLOTHING/EQUIPMENT:** Coveralls and work boots.**WORK/HYGENIC PRACTICES:** Usual good warehouse keeping procedure. Wash thoroughly after handling.**SECTION IX ENVIRONMENTAL EFFECTS DATA**

The available data on this plant nutrient material does not indicate any undue hazard to the environment under anticipated use and storage. Any waste due to spillage or leakage should be contained and disposed of as a Fertilizer (see above under Waste Disposal Methods). Due to its nutrient value, may contribute to eutrophication in bodies of water.

**SECTION X TRANSPORTATION DATA****PROPER SHIPPING NAME:** ROOT FEED II**D.O.T. HAZARD CLASS:** Non-Regulated**LABEL REQUIREMENT:** None**PLACARD:** None**UN:** N/A

To aid our customers in complying with regulatory requirements, SARA Title III hazard categories for this product are indicated in Section I. If the word "YES" appears next to any category, this product may be reportable by you under the requirements of 40 CFR Part 370. Please consult those regulations for details.

Stoller Enterprises, Inc., believes the information contained in this material safety data sheet is accurate based on the information supplied by the reputable suppliers of our raw materials. The information contained herein is furnished without warranty of any kind. Users should consider these data only as a supplement to other information gathered by them and must make independent determination of suitability and completeness of information from all sources to assure proper use and disposal of these materials and the safety and health of employees and customers.