

MATERIAL SAFETY DATA SHEET

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Peters Professional® 15-5-25 Poinsettia Peat-Lite® Special

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Peters Professional® 15-5-25 Poinsettia Peat-Lite® Special
PRODUCT DESCRIPTION: Water Soluble Fertilizer

MANUFACTURER

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

PN: S10647

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>
Ammonium Nitrate	6484-52-2	None	None
Ammonium Phosphate	7722-76-1	None	None
Potassium Nitrate	7757-79-1	None	None
Urea	57-13-6	None	None
Magnesium Sulfate	7487-88-9	None	None
Boric Acid	10043-35-3	None	None
Copper EDTA	14025-15-1	None	None
Iron EDTA	15708-41-5	None	None
Manganese EDTA	15375-84-5	None	None
Ammonium Molybdate	13106-76-8	5 mg (Mo)/m3	5 mg (Mo)/m3
Zinc EDTA	14025-21-9	None	None
Nuisance Dust		15 mg/m3	3 mg/m3

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. Material exposure limits are for airborne 8-hour time-weighted averages and apply only to occupational exposures.

3. HAZARDS IDENTIFICATION**EMERGENCY OVERVIEW**

IMMEDIATE CONCERNS: MAY BE HARMFUL IF SWALLOWED OR INHALED. MAY CAUSE SKIN AND EYE IRRITATION.

- Avoid contact with eyes, skin, and clothing.
- Wash thoroughly after handling.
- Avoid breathing dust.
- Do not swallow.

POTENTIAL HEALTH EFFECTS

EYES: May cause eye irritation.

SKIN: May cause skin irritation.

INGESTION: Possible nausea, vomiting, diarrhea.

INHALATION: Prolonged or excessive inhalation may cause respiratory tract irritation.

MEDICAL CONDITIONS AGGRAVATED: Skin abrasions, sores, or other pre-existing skin conditions. Inhalation of dust may aggravate asthma.

ROUTES OF ENTRY: Ingestion, skin, inhalation, and/or eyes.

TARGET ORGAN STATEMENT: Skin, eyes, respiratory tract, gastrointestinal tract, and central nervous system.

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

GENERAL HAZARD: High airborne dust concentrations have the potential for explosion.

EXTINGUISHING MEDIA: Water, dry chemical, carbon dioxide, and/or foam are recommended.

HAZARDOUS COMBUSTION PRODUCTS: Oxides of carbon, nitrogen, and other metal oxides (iron, zinc, copper, manganese, boron) may be produced.

EXPLOSION HAZARDS: Explosive conditions may exist when a high airborne concentration of fertilizer or organic material occurs in an enclosed area.

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

FLASHPOINT: Decomposes on heating.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of nitrogen, potassium, and phosphorous are possible. Ammonia, carbon, biuret, and cyanic acid may be generated.

6. ACCIDENTAL RELEASE MEASURES

GENERAL PROCEDURES: If spilled, absorb with an inert non-combustible material and remove for disposal. Use good housekeeping practices. Avoid contact with skin, eyes or clothing. Dispose of all waste in accordance with applicable government regulations.

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 contaminate water sources 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: See label. Protective eye wear is normally not required but is suggested so contact can be avoided.

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, a dust mask is recommended to avoid inhalation.

OTHER USE PRECAUTIONS: Running water or eye wash station should be available in case material gets in eyes.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Powder

ODOR: Slight ammonia odor.

BOILING POINT: Decomposes on heating

SOLUBILITY IN WATER: 2 lb. 8 oz./gal.

OXIDIZING PROPERTIES: Considered to be an oxidizer.

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: Nitrates are incompatible with strong alkalies and reducing agents, active metals (such as aluminum and magnesium), ammonia, organic and combustible materials. Urea is incompatible with strong oxidizers, alkalies, sodium nitrite, and chlorine compounds (including bleach and similar household cleaning products).

11. TOXICOLOGICAL INFORMATION

CARCINOGENICITY:

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

GENERAL COMMENTS: Nitrate-containing substances are potential allergens. Prolonged or repeated contact with fertilizer may irritate eyes and skin. Inhalation of dust may irritate nose, throat, and lungs. Prolonged exposure may cause weakness, depression, headache, mental impairment, anemia, methemoglobinemia, and kidney injury. Ingestion of nitrates can cause gastrointestinal irritation, muscular weakness, and blue-tinged skin (cyanosis). Eye contact with urea powder (if present in product) may cause 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. Inhalation of high concentrations of metals (such as dusts containing manganese, molybdenum, copper, zinc, iron, etc.) over very long periods of time (several years, for example) may cause damage to the central nervous system or affect the lung, liver, or kidney.

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: Warning: Contains more than 0.001% molybdenum (Mo). The application of fertilizing materials containing molybdenum (Mo) may result in forage crops containing levels of molybdenum (Mo) which are toxic to ruminant animals.

GENERAL COMMENTS: Keep out of lakes, streams, or ponds. 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: Nitrates, inorganic, n.o.s., 5.1, UN1477, PGII

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

shipping regulations.

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:** 1 **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.