

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

PENNINGTON CRABGRASS PREVENTER + LAWN FERTILIZER 5-10-25

This product is used by Homeowners and Professionals

MSDS NO. P-46

MAR. 2000

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SECTION 1 - PRODUCT IDENTIFICATION

Chemtrec Transport Emergency

Telephone: 1-800-424-9300

Non-Transportation Emergency -

Pennington/Gro Tec: 706-342-1234

Poison Control Center

Atlanta: 1-800-282-5846

EPA Reg. Number: 59144-30

Chemical Name: Prodiamine (n3,n3-Di-n-propyl-2,4-dinitro-6-(trifluoromethyl)-m-phenylenediamine)

Trade Names: Barricade

SECTION 2 - COMPOSITION

<u>Component</u>	<u>Percentage</u>	<u>ACGIH Exposure Limit</u>	<u>OSHA</u>
<u>Exposure Limit</u>			
Prodiamine [290914-21-1]	0.38%	TLV - N/E	PEL - 15 mg/m3 (dust)
Fertilizer components including:	99.62%	TLV - N/E	PEL - 15 mg/m3 (dust)
- Nitroform [9011-05-6]			
- Urea [57-13-6]			
- Monoammonium phosphate [7722-76-1]			
- Muriate of potash [7778-73-8]			
- Peanut shell granules			

SECTION 3 - HEALTH HAZARD DATA

EMERGENCY OVERVIEW

A gray to brown granule with a slight ammonia odor.

* Causes moderate eye irritation.

* Harmful if inhaled or absorbed through skin.

* Prolonged or frequently repeated skin contact while handling this material may cause allergic reactions in some individuals.

* May be toxic to fish.

ROUTE(S) OF ENTRY: Inhalation and skin contact.

EYES: Causes moderate eye irritation.

SKIN: Harmful if absorbed. Prolonged or frequently repeated skin contact while handling this material may cause allergic reactions in some individuals.

INHALATION: Harmful if inhaled. May cause irritation of the eyes, nose, throat and mucus membrane.

SECTION 4 - FIRST AID

IF IN EYES: Flush thoroughly with water for several minutes. Get medical attention if irritation persists.

IF ON SKIN: Wash with soap and water. Rinse thoroughly. Get medical attention if irritation persists.

IF INHALED: Remove victim to fresh air.

SECTION 5 - FIRE & EXPLOSION HAZARDS

FLASH POINT: Dry mixture >500° F

EXTINGUISHING MEDIA: Water or Foam

SPECIAL FIRE FIGHTING PROCEDURES: Fertilizer mineral product is not likely to burn or 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 may melt.

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SECTION 6 - SPILL AND LEAK PROCEDURES

Sweep up and dispose of with chemical waste.

SECTION 7 - STORAGE & HANDLING

Storage: Store in original container away from other fertilizer, feed and foodstuffs, and separated from other pesticides.

Storage Temperatures: Ambient (Average Warehouse) Temperatures

Shelf Life: 3 to 5 years

Handling: Avoid contact with skin, eyes of clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling.

SECTION 8 - SPECIAL PROTECTION INFORMATION

Respirator Type: Dusk mask may be preferred in production or briefly when transferring product for use. None should be needed during application.

Eye Protection: Safety glass or goggles may be preferred against possible airborne dust if product is applied during windy/gusty conditions.

Gloves: Work gloves are suggested.

Other Protection: Body covering clothing; shoes plus socks; KEEP POUT OF REACH OF CHILDREN.

SECTION 9 - PHYSICAL DATA

Physical Form: Dry, free-flowing granules

Color: Natural Fertilizer components; Gray/Brown

Vapor Pressure: N/E

Bulk Density: 52-56 lbs/cu.ft.

Odor: Salt type/Slight ammonia

Specific Gravity: 0.8329 - 0.9931

Flash Point: >500° F

pH: N/A

SECTION 10 - REACTIVITY DATA

Stability: Stable.

Polymerization: Will not occur

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

Decomposition Products: Ammonia, Biuret, Carbon dioxide, Carbon monoxide, carbon disulfide.

SECTION 11 - TOXICOLOGICAL INFORMATION

LD₅₀ ORAL (rat) *<1500 mg/kg

LD₅₀ DERMAL (rabbit) *<2000 mg/kg

EYE (rabbit): Moderate irritation.

*CHILD RESISTANT PACKAGING NOT REQUIRED.

SECTION 12 - ECOLOGICAL INFORMATION

This product has low solubility in water. At the limit of solubility, this product is not toxic to fish. However at concentrations above the level of water solubility, it may be toxic to fish. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Drift and runoff from treated surfaces may be hazardous to aquatic organisms in adjacent sited. Do not contaminate water when disposing of equipment washwaters.

SECTION 13 - DISPOSAL

Pesticide Disposal: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Container Disposal: Do not reuse empty bag. Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or at an incineration facility., or as allowed by State or local authorities, by burning. If burned, stay out of smoke.

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SECTION 14 - TRANSPORTATION

Proper Shipping Name: Pennington Crabgrass Preventer + Lawn Fertilizer 5-10-25

Technical Name (if applicable):

UN Initial & Number: Not Regulated

Class:

Packing Group:

RQ: Not Required

Hazard Labels: None required.

SECTION 15 - REGULATORY INFORMATION

SARA TITLE III: This product contains no ingredients subject to the reporting requirements of Section 313.

IARC, NTP, OSHA Carcinogens: This product contains no ingredients listed as carcinogens.

STATE REGULATIONS:

California Proposition 65: This product contains no ingredients listed on Proposition 65.

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