

Material Safety Data Sheet

Product Name: Pasture Pro Plus Weed & Feed 15-0-0

MSDS No.: 717-2

Version No.: 001

EPA Registration No.: 2217-911

1. Basic Information:

Manufacturer: PBI/Gordon Corporation
Address: 1217 West 12th Street
City, State Zip: Kansas City, MO 64101-1407
Information Contact: Environmental, Health, & Safety Dept.
Information Telephone Number: (816)421-4070
Emergency Contact: Chemtrec
Emergency Telephone Number: (800)424-9300



1	Health
1	Flammability
0	Reactivity
B	Pers. Protection

Last Update: 3/13/2008

Chemical State: Liquid Gas Solid
Chemical Type: Pure Mixture

2. Ingredients:

Trade Secret (ND = Not Disclosed)

CAS No.	Chemical Name	% Range	EHS		IARC		SARA 313 SUB Z	OSHA PEL	ACGIH TLV	Other Limits
			NTP							
5742198	Diethanolamine Salt of 2,4-dichlorophenoxyacetic acid (2,4-D)	1.26%	N	N	N	N	N	NI	NI	NI
2008391	Dimethylamine Salt of 2,4-dichlorophenoxyacetic acid (2,4-D)	2.57%	N	N	Y	N	N	NI	NI	NI
57136	Urea	32.61%	N	N	N	N	N	NI	NI	NI

3. Hazardous Identification:

Hazard Category:

Acute Chronic Fire Pressure Reactive

Hazardous Identification Information:

Brown liquid; amine odor.

Irritant.

The International Agency for Research on Cancer (IARC) lists chlorophenoxy herbicides in its Group 2B (limited evidence for carcinogenicity in humans.) The US EPA has given the chlorophenoxy herbicides 2,4-D, 2,4-DP, MCPP, and MCPA a Class D classification (not classifiable as to human carcinogenicity.) More current 2,4-D lifetime feeding studies in rats and mice did not show carcinogenic effects and a recent World Health Organization (WHO) review of 2,4-D toxicology has concluded that 2,4-D is not a carcinogen.

4. First Aid Measures:

Route(s) of Entry:

Contact, inhalation, ingestion.

Health Hazards (Acute and Chronic):

EYES: Minimally irritating to the eye.

SKIN: May cause mild dermal irritation. Not considered to be a contact sensitizer.

INHALATION: May cause mild to moderate respiratory irritation.

INGESTION: May irritate gastrointestinal tract.

CHRONIC: Repeated and prolonged overexposure may cause chronic irritation of respiratory tract.

Signs and Symptoms:

Overexposure by inhalation may cause a burning sensation; coughing.

First Aid Measures (Continued)

Ingestion of a high concentration may cause abdominal pain, diarrhea, chest pain, sweating and fever.

Medical Conditions Generally Aggravated by Exposure:

Asthma or skin lesions may be aggravated by exposure to this product.

Emergency First Aid Procedure:

EYES: Flush contaminating chemicals from eyes with clean water for 10-15 minutes, holding lids open. If irritation persists, seek medical attention.

SKIN: Remove contaminated clothing. Bathe and shampoo with soap and water to remove chemicals from skin and hair. If irritation persists, seek medical attention. Launder contaminated clothing separately prior to reuse.

INHALATION: Remove victim to fresh air. Administer artificial respiration if necessary. If irritation persists, seek medical attention.

INGESTION: Call a physician or Poison Control Center immediately.

Other Health Warnings:

NI

5. Fire Fighting Measures:

Flash Point: >200°F **F.P. Method:** PM Closed Cup

Lower Explosive Limit: NI

Upper Explosive Limit: NI

Fire Extinguishing Media:

Foam, CO2, Dry chemical, Water.

Special Fire Fighting Procedures:

Wear positive pressure breathing apparatus and full protective clothing.

Unusual Fire and Explosion:

Burning product may produce irritating or poisonous gases. Run-off from fire control area or dilution water may cause pollution. If surface

Material Safety Data Sheet

Product Name: Pasture Pro Plus Weed & Feed 15-0-0

MSDS No.: 717-2

Version No.: 001

EPA Registration No.: 2217-911

Fire Fighting Measures (Continued)

water is contaminated, contact local authorities.

6. Accidental Release Measures:

Steps to be Taken in Case Material is Released or Spilled:

Do not touch spilled product. See Section 8 for Personal Protective Equipment. Contain spill and absorb onto inert absorbent such as Dri-Rite, sand or pet litter. Collect into drums; cover and label drums for proper disposal. Flush area with water if possible. Absorb wash water for disposal.

7. Handling and Storage:

Precautions to be Taken:

Keep from freezing. Store in original container in a locked storage area inaccessible to children. Do not store near food or feedstuffs.

Other Precautions:

NI

8. Exposure Controls/Personal Protection:

Ventilation Requirements:

Good local ventilation is required. Mechanical exhaust may be necessary if product is applied in an enclosed area.

Personal Protective Equipment:

PROTECTIVE CLOTHING: Wear long sleeve shirt, long pants, shoes with socks, and chemical-resistant gloves.

EYE PROTECTION: Safety glasses with side shields or safety goggles.

RESPIRATORY PROTECTION: If exposure limits may be exceeded, wear a dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C), or a NIOSH approved respirator with any N, R, P or HE filter.

9. Physical and Chemical Properties:

Boiling Point: >212°F Melting Point: NI

Evaporation Rate (Butyl Acetate = 1): NI

Vapor Pressure (mm Hg.): <17@20°C

Vapor Density (Air = 1): >1

Specific Gravity (H2O = 1): 1.10927

Solubility in Water: Soluble.

Appearance and Odor: Brown liquid; amine odor.

Other Information:

pH: 6.260

Freezing Point: <32 F

Density: 9.25 pounds/gallon

10. Stability and Reactivity:

Stability:

Stable.

Incompatibility (Materials to Avoid):

None known.

Decomposition/By-Products:

In fire conditions, CO, CO₂, NO_x and HCl may be produced.

Hazardous Polymerization:

Will not occur.

11. Toxicological Information:

Acute Dermal Toxicity LD50: >5000 mg/kg body weight (rats)

Toxicological Information (Continued)

Acute Oral Toxicity LD50: >5000 mg/kg body weight (rat)

Acute Inhalation Toxicity LC50: >2.02 mg/Liter (rat)

Primary Eye Irritation: Very Mild Irritant

Primary Skin Irritation: Slight Irritant

Dermal Sensitization: Not a Sensitizer

12. Ecological Information:

Environmental Hazards:

This pesticide is toxic to fish and aquatic invertebrates. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark except as noted on appropriate labels. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. Do not contaminate water when disposing of equipment wash waters or rinsate.

This chemical has properties and characteristics associated with chemicals detected in groundwater. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination. Application around a cistern or well may result in contamination of drinking water or groundwater.

13. Disposal Considerations:

Do not contaminate water, food or feed by storage or disposal.

PESTICIDE STORAGE

Store in original container.

PESTICIDE DISPOSAL

Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate, is a violation of Federal law and may contaminate groundwater. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL

Plastic containers: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or if allowed by state and local authorities by burning. If burned, stay out of smoke.

14. Transport Information:

The following guidelines apply for domestic ground transport. If shipping by air or ocean, please contact our Transportation Dept.

Freight Class: Herbicides, NOI - NMFC #50320

In our current available sizes, this product does not qualify as a Hazardous Material.

15. Regulatory Information:

OSHA STATUS: This product is hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200.

TSCA STATUS: This product is exempt from TSCA Regulation under FIFRA Section 3(2)(B)(ii) when used as a pesticide.

CERCLA REPORTABLE QUANTITY: 2611 pounds of the formulation

Material Safety Data Sheet

Product Name: Pasture Pro Plus Weed & Feed 15-0-0

MSDS No.: 717-2

Version No.: 001

EPA Registration No.: 2217-911

Regulatory Information (Continued)

which contains 100 pounds of Dimethylamine 2,4-D plus Diethanolamine 2,4-D

SARA TITLE III:

SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES: None

SECTION 311/312 HAZARD CATEGORIES: Immediate Health

Hazard, Delayed Health Hazard

SECTION 313 TOXIC CHEMICALS: None

RCRA STATUS: When discarded in its purchased form, this product is a listed RCRA hazardous waste and should be managed as a hazardous waste. (40 CFR Part 261.20-24)

16. Other Information:

REASON FOR ISSUE: New MSDS in the ANSI Z400.1-1998 format.

NOTE: NI means not indicated.

The information and statements in this Material Safety Data Sheet are believed to accurately reflect the scientific evidence used in making the hazard determination, but is not to be construed as a warranty or representation for which we assume legal responsibility. Additional information may be necessary or desirable depending on particular, exceptional or variable conditions or circumstances of use or storage or because of locally applicable laws or government regulations. Therefore, you should use this information only as a supplement to other information available to you and must make independent determinations of the suitability of the information for your particular circumstances or conditions and of the completeness of the information available from all sources to assure both the proper use of the material described herein and the safety and health of employees.