

SAFETY DATA SHEET

TURFGRO 12-4-16 w/.37% Prodiamine FERTILIZER

FOR CHEMICAL EMERGENCY, SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT, CALL CHEMTREC – DAY OR NIGHT 1-800-424-9300

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

FORMULATED FOR:

Horizon Distributors, Inc
109 North Park Blvd. 4th Floor
Covington, LA 70433
1-866-TURFGRO

MANUFACTURER:

Marion Ag Service, Inc.
7746 St Paul Hwy NE
St. Paul, OR 97137
1-888-814-5727

24-Hour Emergency Phone: 1-800-424-9300

U.S. Coast Guard National Response Center: 1-800-424-8802

PRODUCT NAME: TURFGRO 12-4-16 Fertilizer (contains Prodiamine)

CHEMICAL NAME: Herbicide (Prodamine: 5-dipropylamino-a,a,a-trifluoro-4, 6-dinitro-o-toluidine) on N-P-K Fertilizer

CHEMICAL FAMILY: Phenoxy Herbicide - N-P-K Mixed dry blended fertilizer

EPA REG. NO.: 53883-172-69759-OR-002

MSDS Number bc 15015 **MSDS Revisions:** New

Date of Issue: 7-25-14

Supersedes: New

2. HAZARDS IDENTIFICATION SUMMARY

This chemical does not meet the hazardous criteria set forth by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200). However, this Safety Data Sheet (SDS) contains valuable information critical to the safe handling and proper use of this product. This SDS should be retained and available for employees and other users of this product. The product contains no substances which at their given concentration, are considered to be hazardous to health

KEEP OUT OF REACH OF CHILDREN – May cause mild eye and skin irritation. Avoid contact with skin, eyes, open cuts, or sores. In cases of contact, flush with water. Get medical attention for eyes. This blended dry fertilizer is mixture of Polymer Coated Sulfur Coated Urea, Monoammonium Phosphate, Biosolids, Urea and Muriate of Potash. Nausea and vomiting could be expected upon large dose ingestion. The acute digestive effects are described as nausea, chills, and diarrhea. Eye or skin contact with these products could cause irritation (particularly in sensitive persons), and respiratory irritation could be expected from the unprotected inhalation of fertilizer dusts. Product users should avoid prolonged or repeated skin contact by wearing impervious gloves, long sleeve shirt, long pants, socks and rubber boots. Goggles for eye protection are recommended. Wash thoroughly after handling and using this product.

This product is a multi-colored granule with dusty odor. Primary routes of entry are inhalation, eye contact and skin contact.

3. COMPOSITION, INFORMATION ON INGREDIENTS

(Note: see product tag or label for specific ingredients)

N-K-P (NITROGEN-PHOSPHORUS-POTASSIUM) MIXED DRY BLENDED FERTILIZERS – No hazardous ingredient exceeds 1% of mixture

<u>Chemical Ingredients:</u>	<u>Percentage by Weight:</u>	<u>CAS No.</u>	<u>TLV (Units)</u>
Dithiopr	0.37%	29091-21-2	not listed
Total Nitrogen (N)	12.00	Mixture	not listed
Available Phosphate (P ₂ O ₅)	4.00	Mixture	not listed
Soluble Potash (K ₂ O)	16.00	Mixture	not listed
Fertilizer salts and inert ingredients	67.63		

4. FIRST AID MEASURES

If in Eyes: Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, the continue rinsing eye. Call a poison control center or doctor for treatment advice. If irritation persists, get medical attention.

If on Skin: Remove contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Wash clothing thoroughly with soap and water. If irritation persists, or if rash develops, call a poison control center or doctor for treatment advice.

If Swallowed: Call a poison control center or doctor immediately for treatment advice. If conscious, drink 1 or 2 glasses of water. Never give anything by mouth to an unconscious person. Do not induce vomiting unless told to do so by a poison control center or doctor.

If Inhaled: Move person to fresh air. If person is not breathing call 911 or an ambulance, then give artificial respiration preferably by mouth to mouth, if possible. Call a poison control center or doctor for further treatment advice. If irritation persists, get medical attention.

FOR A MEDICAL EMERGENCY INVOLVING THIS PRODUCT CALL: **1-800-424-9300**. Have the product label or container with you when calling a poison control center or doctor, or going for treatment..

5. FIRE FIGHTING MEASURES

FLASH POINT (F/Test Method):

Not applicable

FLAMMABLE LIMITS (LFL & UFL):

Not applicable

EXTINGUISHING MEDIA:

Considered non-combustible, use medium appropriate to surrounding fire. Dry chemical, CO₂, foam, water spray or fog.

HAZARDOUS COMBUSTION PRODUCTS:

May include but are not limited to oxides of carbon, hydrogen chloride, hydrogen fluoride, oxides of nitrogen, ammonia, oxides of phosphorus, oxides of sulfur, hydrogen sulfide, and cyanuric acid.

SPECIAL FIRE FIGHTING PROCEDURES:

Wear self contained breathing apparatus and full protective gear.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Sulfur-containing components may release oxides of sulfur.

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6. ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

Avoid breathing dusts and vapors. Sweep up dry spills immediately and transfer to suitable containers for possible land application according to label use or for disposal. Check local, state and federal regulations for proper disposal.

CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

7. HANDLING AND STORAGE

HANDLING: Avoid breathing fertilizer dust. Avoid prolonged or repeated skin contact. Avoid eye contact. Wash hands thoroughly after handling this product.

STORAGE: Store in original containers only. Keep containers tightly closed when not in use. Store in a cool, dry, well-ventilated area, preferably in a locked storage area away from children, feed and food products and seed. Store at ambient temperatures. Do not contaminate water, food or feed by storage or disposal.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Not normally required.

RESPIRATORY PROTECTION: Not normally required. If vapors or dusts exceed acceptable levels, wear a NIOSH approved pesticide respirator.

EYE PROTECTION: Chemical goggles or shielded safety glasses.

SKIN PROTECTION: Wear protective clothing: long sleeved shirts and pants, hat, rubber boots with socks. Wear rubber or chemical-resistant gloves.

	OSHA PEL 8 hr TWA	ACGIH TLV-TWA
Particulates (PNOC)	10 mg/m ³ (total dust)	none established

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Multi-colored granules with dusty odor

SPECIFIC GRAVITY (Water = 1): 0.8-1.04 g/ml

BULK DENSITY: 55-60 lbs./ft³

SOLUBILITY: Appreciable

pH: Not established

VAPOR PRESSURE: Not established

BOILING POINT: Not established

SALT OUT: Not applicable

PERCENT VOLATILE (by volume): Not established

EVAPORATION RATE: Not established

Note: These physical data are typical values based on material tested but may vary from sample to sample.

Typical values should not be construed as a guaranteed analysis of any specific lot or as specification items.

10. STABILITY AND REACTIVITY

STABILITY: Stable

CONDITIONS TO AVOID: Excessive heat, open flame and moisture.

INCOMPATIBILITY: None known.

HAZARDOUS DECOMPOSITION PRODUCTS: May include, but is not limited to oxides of carbon, hydrogen chloride, hydrogen fluoride, oxides of nitrogen, ammonia, oxides of phosphorus, oxides of sulfur, hydrogen sulfide and cyanuric acid.

HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

Acute Oral LD50 (rat): >5050 mg/kg

Acute Dermal LD50 (rabbit): >2010 mg/kg

Eye Irritation (rabbit): May cause irritation

Skin Irritation (rabbit): May cause irritation in sensitive individuals

Inhalation LC50 (rat): May cause respiratory tract irritation

Skin Sensitization (guinea pig): Not established

Carcinogenic Potential: None listed in OSHA, NTP, IARC or ACGIH

12. ECOLOGICAL INFORMATION

Drift or runoff may adversely affect non-target plants. Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment wash water. When cleaning equipment do not pour the wash water on the ground; spray or drain over a large area away from wells and other water sources. Do not apply when weather conditions favor drift from target area.

13. DISPOSAL CONSIDERATIONS

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 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: Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration or if allowed by State and local authorities, by burning. If burned, stay out of smoke. Do not contaminate water, food or feed by storage or disposal.

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14. TRANSPORT INFORMATION

DOT Shipping Description: NOT REGULATED BY USDOT

U.S. Surface Freight Classification: COMPOUND, TREE OR WEED KILLING, NOI (NMFC 50320, SUB 2; CLASS 60)
Consult appropriate ICAO/IATA and IMDG regulations for shipment requirements in the Air and Maritime shipping modes.

15. REGULATORY INFORMATION

NFPA & HMIS Hazard Ratings:

NFPA		HMIS	
1	Health	0	Least
0	Flammability	1	Slight
0	Instability	2	Moderate
		3	High
		4	Severe

SARA Hazard Notification/Reporting

SARA Title 111 Hazard Category:	Immediate	<u>Y</u>	Fire	<u>N</u>	Sudden Release of Pressure	<u>N</u>
	Delayed	<u>Y</u>	Reactive	<u>N</u>		

Reportable Quantity (RQ) under U.S. CERCLA: Not Listed

SARA, Title 111, Section 313: Not Listed

RCRA Waste Code: Not listed

CA Proposition 65: WARNING: This product contains chemicals known to the State of California to cause cancer or birth defects or other reproductive harm.

16. OTHER INFORMATION

SDS STATUS: New

SDS Revisions: New Date of Issue: 7-25-14 Supersedes: New

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.