**MATERIAL SAFETY DATA SHEET**

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| **PRODUCT NAME:**  | GreenYard Professional Fertilizer 20-0-5 .37% Prodiamine 20% XCU  |

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| **SECTION I**  |
| MANUFACTURER'S NAME: EMERGENCY TELEPHONE NUMBER CALL |
| GROWMARK FS LLC. DAY OR NIGHT 1-800-424-9300  |
| 3150 STONEY POINT ROAD . TELEPHONE NUMBER FOR INFORMATION: |
| EAST BERLIN PA 17316 (717)-259-9573 (888)-222-4405 |

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| **SECTION II CHEMICAL INGREDIENTS / IDENTITY INFORMATION** |

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| **CHEMICAL COMPONENTS**  | **OSHA PEL** | **ACGIH TLV** | **OTHER**  **LIMITS**  |  **CAS #** |  **%** |
| Urea |  5mg/M3  | 10mg/M3 |  | 57-13-6 |  |
| Iron Sucrate |  |  |  | 1309-37-1 |  |
| Limestone |  |  |  |  |  |
| Clay | 5mg/M3 | 10mg/M3 |  | 1302-78-9 |  |
| Potassium Chloride |  | 10mg/M3 |  | 7447-40-7 |  |
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|  |  |  |  |  |  |
|  |  |  |  |  |  |
| Dithiopyr |  |  |  | 97886-45-8 | .17 |
|  |  |  |  |  |  |

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| **SECTION III PHYSICAL / CHEMICAL CHARACTERISTICS** |

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| BOILING POINT | NA | SPECIFIC GRAVITY | >1 |
| VAPOR PRESSURE | NA | MELTING POINT | 132.70C |
| VAPOR DENSITY | NA | EVAPORATION RATE | NA |
| SOLUBILITY IN WATER | Soluble | APPEARANCE AND ODOR | Granular & mixed color |

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| **SECTION IV FIRE AND EXPLOSION HAZARD DATA** |

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| FLASH POINT (METHOD USED): NA |
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| EXTINGUISHING MEDIA: FOAM & WATER |
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| SPECIAL FIRE FIGHTING PROCEDURES: Wear full protective clothing and self-contained breathing apparatus, to protect against the decomposition products of Urea and Sulfur Coated Urea which can be toxic. |
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| UNUSUAL FIRE AND EXPLOSION HAZARDS: Avoid breathing vapors or dust. |

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| **SECTION V REACTIVITY DATA** |

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| STABLE |  X | CONDITIONS TO AVOID | Decomposes when heated above melting point |
| UNSTABLE |  | CONDITIONS TO AVOID |  |

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| INCOMPATIBILITY (MATERIALS TO AVOID): Avoid Contact with Strong Acids,  |
|  Mildly Corrosive to Metals in Presence of Moisture |

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| HAZARDOUS DECOMPOSITION OR BY PRODUCTS: NDA |
|  |
| HAZARDOUS POLYMERIZATION: |
| MAY OCCUR |  | CONDITIONS TO AVOID |  |
| WILL NOT OCCUR | X | CONDITIONS TO AVOID | N A |

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| **SECTION VI HEALTH HAZARD DATA** |
| ROUTES OF ENTRY: Inhalation, Eyes, Skin, and Ingestion |
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| HEALTH HAZARDS: |
| SIGNS AND SYMPTOMS OF EXPOSURE: EYES: Dust and vapors can cause irritation and pain. SKIN: Can cause irritation. INHALATION: Dust can cause sore throat, coughing, and shortness of breath. INGESTION: Can cause sore throat and abdominal pain.  |
|  |
| MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: NDA |
|  |
| EMERGENCY AND FIRST AID PROCEDURES: EYES & INGESTION: Flush immediately with plenty of water, seek medical attention if necessary. SKIN: Remove contaminated clothing immediately and flush contaminated area with water. INHALATION: Move to fresh air and rest. Seek medical attention if necessary. |

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| **SECTION VII PRECAUTIONS FOR SAFE HANDLING AND USE** |

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| STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Sweep up and reuse as product. |
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| WASTE DISPOSAL METHOD: Sanitary Landfill. Dispose in compliance with local regulations. |
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| PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Store in dry location, remote from acids. |
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| OTHER PRECAUTIONS: |

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| **SECTION VIII CONTROL MEASURES / PROCESS AREAS** |

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| RESPIRATORY PROTECTION (SPECIFY TYPE): |

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| VENTILATION | LOCAL EXHAUST | as necessary to maintain low dust levels |
|  | MECHANICAL | N A |
|  | SPECIAL | dust mask or respirator in dusty situations |

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| PROTECTIVE GLOVES: Gloves recommended EYE PROTECTION: None required  |
|  |
| OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Optional  |
|  |
| WORK / HYGIENIC PRACTICES: Normally accepted practices. |

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| **SECTION IX REGULATORY COMPLIANCE**  |

THE FOLLOWING INFORMATION MAY BE USEFUL IN COMPLYING WITH VARIOUS STATE AND FEDERAL LAWS AND REGULATIONS UNDER VARIOUS ENVIRONMENTAL STATUTES:

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| REPORTABLE QUANTITY (RQ), EPA REGULATION 40 CFR 302 (CERLA Section 102): |
| **CHEMICAL NAMES**  | CAS# | RQ |
|  |  | NA |

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| THRESHOLD PLANNING QUANTITY (TPQ), EPA REGULATION 40 CFR 355 (SARA Sections 301-304): |
| CHEMICAL NAME:  | CAS#: | TPQ: |

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| TOXIC CHEMICAL RELEASE REPORTING, EPA REGULATION 40 CFR 372 (SARA Section 313): |
| CHEMICAL NAME: | CAS #: | % BY WEIGHT IN PRODUCT |

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| HAZARDOUS CHEMICAL REPORTING, EPA REGULATION 40 CFR 370 (SARA Sections 311-312): |
| CHEMICAL NAME: | CAS#: |

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| EPA HAZARD CLASSIFICATION CODE: |
| ACUTE  | CHRONIC | FIRE | PRESSURE | REACTIVE | NOT  |
| HAZARD | HAZARD | HAZARD | HAZARD | HAZARD | APPLICABLE |
|  |  |  |  |  |  X |

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| --- |
| HAZARD RATING: NFPA |
|  \_\_0\_\_FIRE \_\_0\_\_TOXICITY \_\_0\_\_REACTIVITY \_\_U\_\_CORROSIVENESS |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| HAZARD RATING CODE | 0 None  | 1 Slight | 2 Moderate  | 3 High  | U Unknown |

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| **SECTION X TRANSPORTATION INFORMATION** |

For further information relative to spills resulting from transportation incidents, refer to latest Department of Transportation Emergency Response Guidebook for Hazardous Material Incidents. DOT P 5800.5

DOT IDENTIFICATION: RQ:

OSHA REQUIRED LABEL INFORMATION:

In compliance with hazard and right-to-know requirements, the following OSHA Hazard Warnings should be found on a label, bill of lading or invoice accompanying this shipment. NA

NOTE: Product label will contain additional non-OSHA related information.

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| DATE:  | May 29, 2014 | SUPERSEDES: ALL PREVIOUS |

The information herein was given in good faith but no warranty, expressed or implied was made. Consult for further information.

 NA = NOT APPLICABLE NDA = NO DATA AVAILABLE