

# MATERIAL SAFETY DATA SHEET

HARRELL'S INC.

Harrell's Turf

Emergency Phone: 800-282-8007

Harrell's, Inc.

P. O. Box 807

Lakeland, FL 33802

Issue Date: August 17, 2005

## Fertilizer

### 1. PRODUCT AND COMPANY IDENTIFICATION:

**PRODUCT NAME:** Harrell's, Inc. Fertilizers

**EPA Reg. No.:** N/A

**CHEMICAL FAMILY:** N/A

**CHEMICAL NAME:** N/A

**D.O.T. CLASS:** Not Regulated by D.O.T.

#### COMPANY IDENTIFICATION:

Harrell's, Inc.

P. O. Box 807

Lakeland, FL 33802

### 2. COMPOSITION/INFORMATION ON INGREDIENTS:

Hazardous Ingredients

Health:

Fluoride Salts as Fluorine 0 - 1.3%

Silica – Quartz (sand) 0 - 30%

Cas. No. 14808-60-7

Physical:

Contains 0 to 50% nitrates which are classed as oxidizers when pure. In these blends they are diluted by other materials, but could contribute to combustion if contaminated with organic material such as oil.

### 3. PHYSICAL DATA

<b>Density</b>	40-70 lb/ft <sup>3</sup>
<b>Melting Point</b>	Partially decomposes at 212°F
<b>Boiling Point</b>	N/A
<b>Vapor Pressure</b>	N/A
<b>pH</b>	6-8
<b>Solubility in Water</b>	40-99%
<b>Appearance and Odor</b>	Multi-color granules with mild aromatic odor

### 4. FIRE AND EXPLOSION HAZARD DATA

<b>Flash Point</b>	N/A
<b>Flammable Limits</b>	N/A
<b>Extinguishing Media</b>	Water, foam, carbon dioxide or dry chemicals
<b>NFPA Rating</b>	Health 0; Fire 0; Reactivity 0; Special Hazard 0

**SPECIAL FIRE FIGHTING PROCEDURES:** May emit noxious and toxic fumes when heated to decomposition. Self-contained breathing apparatus should be used. This information is taken from sources or based upon data believed to be reliable. However, Harrell's Inc. makes no

warranty as to the absolute correctness or sufficiency of any of the foregoing or that additional or other measures may not be required under particular conditions.

### 5. REACTIVITY DATA

<b>Stability</b>	Stable material
<b>Conditions to avoid</b>	Do not store in direct sunlight or at temperatures above 120°
<b>Incompatibility</b>	Generally none. Water damages product and may contribute to the release of ammonia vapors
<b>Hazardous Decomposition Products</b>	Under fire conditions: ammonia, hydrogen chlorides, ethyl sulfide, diethyl sulfide and N oxides
<b>Hazardous Polymerization</b>	Will not occur.

### 6. HEALTH HAZARD INFORMATION

<b>Permissible Exposure Limit (PEL)</b>	None Established. OSHA nuisance dust limit of 15 mg per cubic meter of air as total dust is recommended
<b>Routes of Entry</b>	Lungs (breathing), Ingestion (orally)
<b>Toxicity Data</b>	None Found.
<b>Overexposure: Short Term</b>	May cause irritation of skin, eyes, nose, or throat.
<b>Overexposure: Long Term</b>	Long-term inhalation of dust concentrations higher than recommended PEL may cause delayed lung injury. The free silica in those mentioned in Section 2 is sand, and little or none is present in the respirable size range.
<b>Eye Contact</b>	May cause irritation and conjunctivitis
<b>Skin Contact</b>	May cause irritation, particularly on damp skin. Repeated or prolonged contact could lead to dermatitis.
<b>Ingestion</b>	May produce nausea,

# MATERIAL SAFETY DATA SHEET

HARRELL'S INC.

Harrell's Turf

Emergency Phone: 800-282-8007

Harrell's, Inc.

P. O. Box 807

Lakeland, FL 33802

Issue Date: August 17, 2005

## Fertilizer

	vomiting, abdominal discomfort; if swallowed in very large amount, may cause increased urination and central nervous system depression.
--	---

**9. SPECIAL PRECAUTIONS:** No unusual precautions necessary. Do not allow to become contaminated with organic materials, especially oils, which may cause local heating, or in rare cases, fire. Store in a cool, dry place. **DO NOT** store near food or feed. Keep out of reach of children and pets.

### 7. SPILL, LEAK, AND DISPOSAL PROCEDURES

<b>If Uncontaminated</b>	Sweep or collect and use as intended
<b>If Contaminated</b>	Collect in suitable containers for disposal
<b>Waste Disposal Method</b>	Dispose of in accordance with applicable local, State and Federal regulations

**10. OTHER COMMENTS:** Chronic Effects: Long term exposure to dusts containing fluoride or quartz may produce more severe toxicity. Chronic exposure and/or high levels of inorganic fluorides administered to experimental animals have been shown to produce changes in several organs and certain enzymes. Quartz dust may produce nodules in the lungs which may gradually progress to the formation of fibrous tissue. Symptoms may include coughing, shortness of breath and wheezing.

### 8. SPECIAL PROTECTION INFORMATION

<b>Respiratory</b>	Respiratory protection approved by NIOSH/MSHA for protection against air dust should be used. Appropriate respiration selection depends on the type and magnitude of exposure.
<b>Ventilation</b>	Local exhaust or other ventilation that will reduce dust concentrations to less than recommended PEL.
<b>Eyes</b>	If high dust concentrations exist, tight fitting goggles are recommended to reduce dust exposure to the eyes.
<b>Skin</b>	Clean, body-covering clothing should be worn to prevent irritation in situations where direct contact with product may occur
<b>Other Protective Equipment</b>	Emergency eye wash stations and deluge safety showers should be available in work area

# MATERIAL SAFETY DATA SHEET

**HARRELL'S**

Emergency Phone: 800-282-8007

Harrell's, Inc.

P. O. Box 807

Lakeland, FL 33802

**Harrell's Turf Fertilizer**

---

*The information presented herein is believed to be factual; however, nothing contained in this information is to be taken as a warranty or representation for which Harrell's Inc. bears legal responsibility.*