

# MATERIAL SAFETY DATA SHEET

HYDRO KIRBY AGRI  
500 RUNNING PUMP ROAD  
P.O. BOX 6277  
LANCASTER, PA 17607

Revised 10/03

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## 1. PRODUCT IDENTIFICATION

Product Name: Terre Winter Spur 09-19-18 Fertilizer MSDS  
Chemical Family: Fertilizer Mixture  
DOT Hazard Class: Not Regulated by Dept. of Transportation

## 2. PRODUCT INFORMATION: INGREDIENTS

Product derived from one or more of the following: Di Ammonium Phosphate, Muriate of Potash, Mono Ammonium Phosphate, Sulfur, Urea, Iron and Limestone.

Formulated with one or more of the following ingredients. Check specific product label.

Chemical Name	TLV/TWA	%(by wt.)	CAS#
Urea	10 mg/M <sub>3</sub> (dust) 5 mg/M <sub>3</sub> (resp)	0-98	57-13-6
Potassium Chloride	10 mg/M <sub>3</sub>	0-95	7447-40-7
Diammonium Phosphate	10 mg/M <sub>3</sub>	0-46	7783-28-0
Sulfur	5 ppm(SO <sub>2</sub> )	0-20	7704-34-9
Iron(Ferrous)Sulfate	15 mg/M <sub>3</sub> (dust)	0-10	7720-78-7
Limestone	20 mg/M <sub>3</sub>	0-50	

TLV of all chemicals and mixtures is 15 mg/M<sub>3</sub>, TWA is 10 mg/M<sub>3</sub>, Respirable dust TLV of 5 mg/M<sub>3</sub>, unless otherwise indicated.

## 3. PHYSICAL DATA

Appearance and Odor: White to dark brown granules odorless to slight pungent odor.  
Solubility in water: Moderated  
Bulk Density: 69 lbs./cu.ft.

## 4. FIRE AND EXPLOSION HAZARD DATA

Flash Point (method used): NA (non combustible) Flammable Limits: NA  
SPECIAL FIRE FIGHTING PROCEDURES: Wear NIOSH approved positive pressure, self-contained breathing apparatus and full protective clothing. Do not breathe fumes. Remove from area of fire at first opportunity. Prevent water runoff from entering drains, sewers or water sources. Fertilizer will become slippery when wet. Guard against falls.

**Unusual Fire and Explosion Hazards:** If heated to decomposition, will give off toxic fumes of ammonia and formaldehyde. Under fire conditions, urea may decompose to cyan uric acid, biuret or ammonia. Dispersion of fine dust in the air may form an explosive mixture.

## 5. HEALTH HAZARDS

**Primary Route(s) of Entry:** Skin, inhalation, ingestion, eyes

**Signs & Symptoms of Exposure:**

**Acute:** May cause mild irritation to skin and eyes. Ingestion of large amounts may cause gastrointestinal disorder, nausea, vomiting and/or diarrhea.

**Emergency First-Aid Procedures:**

**Eyes:** Flush with clear water for at least 15 minutes. Get medical attention if irritation persists.

**Skin:** Remove contaminated clothing and wash affected area with soap and cold water. Obtain medical attention.

**Inhalation:** Remove to fresh air. Persons who have inhaled decomposition gases should obtain medical attention.

**Ingestion:** Do not induce vomiting. Drink warm water or milk. Consult a physician if more than a small quantity has been swallowed. (small children, more than 50g.)

## 6. REACTIVITY

**Stability:**  Stable  Unstable

**Conditions to Avoid:** Welding or hot work on equipment or plant which may have contained fertilizer without first washing thoroughly to remove all fertilizer.

**Incompatibility:** Strong acids, caustic compounds, humid wet conditions, alkalies, sodium hypo chlorite, copper and its alloys.

## 7. SPILL, LEAK AND DISPOSAL PROCEDURES

**If Material is Spilled:** If material is not contaminated, scoop into clean container for use. If contaminated, scoop into suitable containers for disposal.

**Waste Disposal Method:** Dispose according to Federal EPA procedures as outlined in the Resource Conservation Recovery Act (RCRA) and follow state and local guidelines.

**For hazardous waste regulations call 800-424-9346, the RCRA Hotline.**

Impervious Apron

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## 9. STORAGE AND HANDLING

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**Precautions:** Store in a cool, dry place if possible. Separate from pesticides, fertilizers, seed, feed, foodstuffs, and away from drains, sewers, and water sources. Do not eat drink or smoke while handling this product. Avoid contact with eye, skin and clothing. Avoid excessive generation of dust. Avoid breathing dust. Do not swallow. Wash thoroughly after handling. When handling the product over long periods, use appropriate personal protective equipment, e.g. gloves. Locate away from the sources of heat or fire. Practice good care and good safety precautions when handling this product.

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