

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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PRODUCT IDENTIFICATION

Product Name: Terre Rodo Gro 06-08-04 with Micronutrients
Chemical Family: Fertilizer Mixture
DOT Hazard Class: Not Regulated by Dept. of Transportation

2. PRODUCT INFORMATION: INGREDIENTS

Product Derived from Urea, Di Ammonium Phosphate, Potash, Iron, Magnesium,
Manganese, Zinc, Copper, 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 ₃ (dust) 5 mg/M ₃ (resp)	0-98	57-13-6
Potassium Chloride	10 mg/M ₃	0-95	7447-40-7
Diammonium Phosphate	10 mg/M ₃	0-46	7783-28-0
Sulfur	5 ppm(SO ₂)	0-20	7704-34-9
Iron(Ferrous)Sulfate	15 mg/M ₃ (dust)	0-10	7720-78-7
Manganese	5 mg/M ₃ (as Mn)	0-6	1344-43-0 & 7785-87-7
Zinc	5 mg/M ₃	0-5	1314-13-2
Copper	0.2 mg/M ₃ as copper fume	0-2	7758-99-8
Magnesium Oxide	15 mg/M ₃	60-100	01309-48-4
Limestone	20 mg/M ₃	0-50	

TLV of all chemicals and mixtures is 15 mg/M₃, TWA is 10 mg/M₃, Respirable dust TLV of 5 mg/M₃, unless otherwise indicated.

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.

8. SPECIAL PROTECTION INFORMATION

Protective Equipment Suggested for Outdoor Application:

Impervious Gloves Dust Mask Respirator (use NIOSH/MSHA approved)
 Impervious Boots Clean Clothing Eye Goggles / Safety Glasses

Protective Equipment Suggested for Confined Areas:

Sufficient Ventilation Dust Mask Respirator (use NIOSH/MSHA approved)
 Splash Goggles / Safety Glasses
 Eyewash Station Emergency Shower Impervious Apron

9. STORAGE AND HANDLING

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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