

Trade Name: Pro Ap Professional Turf Fertilizer  
 Registration No: None

DATE ISSUED: 2/11/2004  
 SUPERSEDES: NA

**M01-009**

## SECTION 1 CHEMICAL PRODUCT AND COMPANY INFORMATION

Manufacturer or Formulator: Frick Services, Inc.  
 3154 W. Depot Street  
 Wawaka, IN 46794  
 1-800-552-1754

Product Name: Pro Ap Professional Turf Fertilizer  
 Common Name: Pro Ap Professional Turf Fertilizer  
 Chemical Type: Inorganic Chemical Fertilizer

## SECTION 2 COMPOSITION INFORMATION

Chemical Name and Synonyms	C.A.S. No.	Chemical Formula	WT% Hazardous	TLV Non-Hazardous	PEL
None listed					
Blend of the following non-hazardous ingredients:			100		Not available
Urea	57-13-6	(NH <sub>2</sub> ) <sub>2</sub> CO		10 mg/m <sup>3</sup> (dust) 5 mg/m <sup>3</sup> (resp)	

## SECTION 3 HAZARDS IDENTIFICATION

**Ingestion:** Minimal hazard under normal conditions and use. Ingestion of large quantities may cause gastrointestinal discomfort, vomiting, weakness or other medically related problems.

**Inhalation:** Dusty conditions may cause mechanical aggravation to respiratory mucous membranes.

**Eye Contact:** Dust from this product may cause particulate discomfort to eyes.

**Skin Absorption:** Not normally absorbed through the skin.

**Skin Contact:** Slight dermal abrasion is possible with prolonged contact, especially around cuffs and collars.

**Effects of Overdose:** Ingestion of large doses may cause diarrhea, nausea, abdominal cramps or formation of methemoglobinemia. Seek medical attention.

## SECTION 4 FIRST AID MEASURES

**Ingestion:** If large amount is ingested, give 2-3 glasses of water and induce vomiting. Seek medical attention.

**Inhalation:** Remove to fresh air. Seek medical attention if condition persists.

**Eyes:** Flush eyes with running water for at least 15 minutes. Seek medical attention if condition persists.

**Skin:** Wash with soap and water. Seek medical attention if condition persists.

**Note to Physician:** Consult standard literature. Treatment based on the sound judgment of the physician and the individual reactions of the patient.

## SECTION 5 FIRE FIGHTING MEASURES

**Extinguishing Media:** Use media suitable to extinguish source of fire.

**Special Fire Fighting Procedures:** Product is not combustible.

**Unusual Fire and Explosion Hazards:** During extremely high temperature fire conditions, the product may reach melting point and decompose to release NH<sub>3</sub>, SO<sub>2</sub>, PO<sub>2</sub>, or CN.

## SECTION 6 ACCIDENTAL RELEASE MEASURES

**Environmental Precautions:** Keep out of water supplies, lakes, ponds, streams and rivers. This product is a fertilizer and may promote algae growth.

**Steps to be taken in case material is released or spilled:** Keep from entering waterways. Sweep up material and place in suitable container for use as a fertilizer or for disposal.

## SECTION 7 HANDLING AND STORAGE

**Precautions to be taken in handling and storing:** Store in a cool, dry area. Prevent spillage and separate from strong oxidizers. Use normal safety procedures and good personal hygiene. Keep out of the reach of children.

## SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

**Ventilation Protection:** Adequate ventilation.

**Respiratory Protection:** Approved dust respirator when necessary.

**Protective Clothing:** Normal clean work clothing.

**Eye Protection:** In dusty conditions, safety glasses with side shields or goggles may be necessary.

## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

<b>Boiling Point:</b>	Not applicable	<b>Solubility in Water:</b>	Not available
<b>Density:</b>	Not available	<b>% Volatiles (by volume):</b>	Not applicable
<b>Flashpoint:</b>	Non-flammable	<b>Vapor Pressure, mm Hg:</b>	Not applicable
<b>pH:</b>	Not listed	<b>Reaction with Water:</b>	None
<b>Appearance:</b>	Multi-colored granules.		
<b>Extinguishing Media:</b>	Use media suitable to extinguish source of fire.		

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**SECTION 10 STABILITY AND REACTIVITY**

**Stability (Normal Conditions):** Stable  
**Conditions to Avoid:** Extremely high temperatures.  
**Incompatibility (Material to Avoid):** Strong oxidizing agents. Prolonged contact may cause oxidation of unprotected metals.  
**Hazardous Decomposition Products:** During extremely high temperature fire conditions, the product may reach melting point and decompose to release NH<sub>3</sub>, SO<sub>x</sub>, PO<sub>x</sub> or CN.  
**Hazardous Polymerization:** Will not occur

**SECTION 11 TOXICOLOGY INFORMATION**

	<u>Oral LD50 (rat)</u>	<u>Dermal LD50 (rat)</u>	<u>Aquatic Fish 96-hour</u>	<u>Aquatic (other)</u>
Urea	14,300 mg/kg	none listed	> 9,100 mg/L	> 10,000 mg/L (daphnia)

All toxicity data from TFI Product Testing Results.

**SECTION 12 ECOLOGICAL INFORMATION**

None listed

**SECTION 13 DISPOSAL CONSIDERATIONS**

**Waste disposal procedures:** Pick up with shovel and broom and use as a fertilizer by applying to soil using good agricultural and soil management. If disposal is necessary, follow all applicable local, state and federal regulations.

**SECTION 14 TRANSPORTATION INFORMATION**

<b>Shipping name:</b>	Not regulated by DOT	<b>C.A.S. Number:</b>	See "Ingredients"
<b>Hazard Class:</b>	None	<b>D.O.T. Number:</b>	None
<b>Reportable Quantity (RQ):</b>	None	<b>Haz Waste No:</b>	None
<b>Labels Required:</b>	None	<b>EPA Regist No:</b>	None
<b>Placard:</b>	None		

**SECTION 15 REGULATORY INFORMATION**

**Carcinogenicity:** by IARC?: Yes ( ) No (X) by NTP?: Yes ( ) No (X)  
Not on the SARA 302 list of reportable quantities.

**SECTION 16 OTHER INFORMATION**

<b>Flash Point (Test Method):</b>	Non-flammable	<b>Flammable Limits</b>	<b>LOWER</b>	<b>UPPER</b>
<b>Autoignition Temperature:</b>	Not applicable	(% BY VOLUME)	N/A	N/A

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