



THE ANDERSONS  
MATERIAL SAFETY DATA SHEET

PRODUCT CODE: APT5M2X250

DATE PREPARED: 11/13/09

**SECTION I: PRODUCT IDENTITY**

PRODUCT NAME: The Andersons Foltec PTO 5-10-5

DISTRBUTED BY: The Andersons Lawn Products  
PO Box 119  
Maumee, Ohio 43537

FOR EMERGENCY: (800) 757-8951  
FOR INFORMATION: (419) 891-2957

CURRENT AS OF: 12/1/09

**SECTION II: HAZARDOUS INGREDIENTS / IDENTITY INFORMATION**

HAZARDOUS COMPONENT	OSHA PEL	ACGIH TLV
Urea (CAS # 57-13-6)		
Potassium hydroxide (CAS # 1310-58-3)		2 mg/m <sup>3</sup> (CEILING)
Phosphoric acid (CAS # 7664-38-2)	1 mg/m <sup>3</sup> 3 mg/m <sup>3</sup> (STEL)	1 mg/m <sup>3</sup> 3 mg/m <sup>3</sup> (STEL)
Aqua ammonia (CAS # Not listed)	18 mg/m <sup>3</sup> 27 mg/m <sup>3</sup> (STEL)	18 mg/m <sup>3</sup> 27 mg/m <sup>3</sup> (STEL)
Potassium nitrate (CAS # 7757-79-1)		
Iron sulfate (CAS # 7720-78-7)		1 mg/m <sup>3</sup> (iron)
Citric acid (CAS # 77-92-9)		
Magnesium sulfate (CAS # 10034-99-8)		
Sodium glucoheptonate (CAS # 31138-65-5)		
Proactin amino acid mix (CAS # Not listed)		

**SECTION III: PHYSICAL DATA**

BOILING POINT: NA      EVAPORATION RATE: NA      pH: 4.1  
VAPOR DENSITY: NA      VAPOR PRESSURE: NA      MELTING POINT: NA  
BULK DENSITY: 11.4 lbs/gal      SPECIFIC GRAVITY: 1.363  
SOLUBILITY (IN WATER): Soluble  
APPEARANCE AND ODOR: Dark brown liquid with earthy odor

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

FLASH POINT: Not flammable      FLAMMABLE LIMITS: NA  
EXTINGUISHING MEDIA: Use media suitable for surrounding fire  
SPECIAL FIRE FIGHTING PROCEDURES:  
Wear full protective clothing and positive-pressure self-contained breathing apparatus  
UNUSUAL FIRE AND EXPLOSION HAZARDS:  
Decomposition products may be toxic

**SECTION V: REACTIVITY DATA**

CONDITIONS TO AVOID: Strong acids, oxidizers, alkalis; acrolein, acrylic acid, chlorosulfonic acid, dimethyl sulfate, halogens  
INCOMPATIBILITY: Aluminum, copper, and their alloys; galvanized metal  
HAZARDOUS DECOMPOSITION PRODUCTS: HCN, NO<sub>x</sub>, PO<sub>x</sub>, CO<sub>x</sub>, cyanuric acid, SO<sub>x</sub>, NH<sub>3</sub>  
Product is stable and hazardous polymerization will not occur.

**SECTION VI: PERSONAL PROTECTION INFORMATION**

RESPIRATORY PROTECTION: NIOSH approved mist respirator, if required  
EYE PROTECTION: Safety glasses with side shields, goggles, or faceshield recommended  
SKIN PROTECTION: Long sleeves, chemical resistant (butyl rubber) gloves recommended  
VENTILATION: Local exhaust ventilation recommended

**SECTION VII: HEALTH HAZARD DATA**

**HEALTH HAZARDS:** May cause temporary and reversible eye irritation. May also cause irritation of the skin, respiratory tract, mucous membranes, and gastrointestinal tract. Inhalation may result in coughing and difficult breathing. Ingestion may result in nausea, vomiting, diarrhea, drowsiness, slowed reflexes, slurred speech, and other symptoms consistent with mild CNS depression. Significant overexposure could potentially result in tearing of the eyes, increased pulse rates, increased blood pressure, skin blisters, vomiting, corneal ulcers, and blindness.

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:** Pre-existing respiratory, skin, or eye conditions

**FIRST AID PROCEDURES:**

**IF SWALLOWED:** If victim is alert and not convulsing, give one glass of water to dilute material, but **DO NOT** induce vomiting. Seek immediate medical attention.

**IF INHALED:** Move victim to fresh air. Seek medical attention if irritation persists.

**IF IN THE EYES:** Immediately flush with water for at least 20 minutes. Seek medical attention if irritation persists.

**IF ON SKIN:** Shower / wash affected areas with soap and water. Seek medical attention if irritation persists. Wash contaminated clothing before re-use.

**CARCINOGENICITY:** None of the ingredients are known / listed carcinogens.

**SECTION VIII: PRECAUTIONS FOR SAFE HANDLING AND USE**

**SPILL / RELEASE PROCEDURES:** Collect spilled product and store to re-use. Contaminated product and/or environmental media should be recovered and disposed of properly.

**WASTE DISPOSAL METHOD:** Read product label before disposing of product and container. Dispose of in accordance with all federal, state, and local regulations. Reuse recovered product where possible.

**HANDLING / STORING PRECAUTIONS:** Store in a cool, dry, well ventilated area. Keep from freezing. Avoid contact with eyes and skin.

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**PREPARED BY:** SS

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