



**THE ANDERSONS
MATERIAL SAFETY DATA SHEET**

PRODUCT CODE: APT18M2X25

DATE PREPARED: 11/13/09

SECTION I: PRODUCT IDENTITY

PRODUCT NAME: Foltec Nitroplast 18-3-4

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: 9/8/10

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 ³ (CEILING)
Phosphoric acid (CAS # 7664-38-2)	1 mg/m ³ 3 mg/m ³ (STEL)	1 mg/m ³ 3 mg/m ³ (STEL)
Potassium nitrate (CAS # 7757-79-1)		
Iron sulfate (CAS # 7720-78-7)		1 mg/m ³ (iron)
Citric acid (CAS # 77-92-9)		
Proactin amino acid mix (CAS # Not listed)		
Urea-ammonium nitrate solution (CAS # Not listed)		

SECTION III: PHYSICAL DATA

BOILING POINT: NA EVAPORATION RATE: NA pH: 2.8
 VAPOR DENSITY: NA VAPOR PRESSURE: NA MELTING POINT: NA
 BULK DENSITY: 10.8 lbs/gal SPECIFIC GRAVITY: 1.300
 SOLUBILITY (IN WATER): Soluble
 APPEARANCE AND ODOR: Green liquid with slight ammonia 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: Oxidizers, bases, alkalis, hypochlorites, aldehydes, inorganic acids
 INCOMPATIBILITY: Aluminum, copper, zinc, and their alloys; galvanized metal
 HAZARDOUS DECOMPOSITION PRODUCTS: HCN, NO_x, PO_x, CO_x, cyanuric acid, SO_x, NH₃
 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 severe eye irritation. May also cause irritation of the skin, respiratory tract, mucous membranes, and gastrointestinal tract. May cause defatting, drying, and cracking of the skin. 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, as well as methemoglobinemia and other symptoms of nitrite poisoning. 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. Avoid contact with eyes and skin.

PREPARED BY: SS

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