



**THE ANDERSONS
MATERIAL SAFETY DATA SHEET**

PRODUCT CODE: APT195BR5

DATE PREPARED: 10/23/00

SECTION I: PRODUCT IDENTITY

PRODUCT NAME: The Andersons Professional Turf Products 19-3-5 with Barricade

MFR INFO: The Andersons Lawn Products
P.O. Box 119
Maumee, Ohio 43537

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

CURRENT AS OF: 8/19/04

SECTION II: HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

HAZARDOUS COMPONENT	OSHA PEL	ACGIH TLV
Diammonium phosphate (CAS # 7783-28-0)	15 mg/m ³ (total) 5 mg/m ³ (respirable)	10 mg/m ³ (inhalable) 3 mg/m ³ (respirable)
Potash (CAS # 7447-40-7)	15 mg/m ³ (total) 5 mg/m ³ (respirable)	10 mg/m ³ (inhalable) 3 mg/m ³ (respirable)
Urea (CAS # 57-13-6)	15 mg/m ³ (total) 5 mg/m ³ (respirable)	10 mg/m ³ (inhalable) 3 mg/m ³ (respirable)
Limestone (CAS # 1317-65-3)	15 mg/m ³ (total) 5 mg/m ³ (respirable)	10 mg/m ³ (inhalable) 3 mg/m ³ (respirable)
Sulfur coated urea (CAS # Not listed)		
Prodiamine (CAS # 29092-21-2)		

SECTION III: PHYSICAL DATA

BOILING POINT: NA EVAPORATION RATE: NA pH: NA

VAPOR DENSITY: NA VAPOR PRESSURE: NA

MELTING POINT: NA SPECIFIC GRAVITY: NA

SOLUBILITY (IN WATER): Partially soluble

APPEARANCE AND ODOR: Multi-colored granular mix, with slight ammonia / sulfur 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; sulfur will burn when separated from molten urea

SECTION V: REACTIVITY DATA

CONDITIONS TO AVOID: Excessive heat (greater than 200°F)

INCOMPATIBILITY: Strong oxidizers, acids, alkalis, caustics, hypochlorites

HAZARDOUS DECOMPOSITION PRODUCTS: HCN, NO_x, CO_x, NH₃, PO_x, HF, cyanuric acid, SO_x

Product is stable and hazardous polymerization will not occur. May release ammonia on standing.

SECTION VI: PERSONAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: NIOSH approved pesticide respirator recommended

EYE PROTECTION: Safety glasses with side shields, goggles, or faceshield are recommended

SKIN PROTECTION: Long sleeves, impermeable gloves recommended

VENTILATION: Local exhaust ventilation recommended; applicators should stand upwind when handling

SECTION VII: HEALTH HAZARD DATA

HEALTH HAZARDS: May be irritating to the nose and respiratory tract, and may cause sore throat, coughing and shortness of breath. Skin irritation may result from repeated or prolonged exposure. Skin sensitization may occur in susceptible individuals. May also be irritating to the eyes, causing redness and watering. Prolonged eye exposure may cause conjunctivitis and corneal damage. Ingestion may result in abdominal pain, nausea, diarrhea, blurred vision, sweating, salivation, muscle twitching, and tremor. Ingestion of large amounts of sulfur may lead to hydrogen sulfide poisoning due to bacterial conversion of sulfur in the colon.

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, however, the product may contain trace amounts of inorganic fluorides and crystalline silica. Fluorides have been suggested as a reproductive hazard and a carcinogen. Crystalline silica is listed by IARC as a potential human carcinogen.

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: Read product label before handling. Use only as directed on the label. Keep out of the reach of children. Store in a cool, dry, well ventilated area.

SECTION IX: ADDITIONAL INFORMATION

ACTIVE INGREDIENT LEVEL (%): 0.380

SARA INFORMATION:

SECTION 302: Not an "extremely hazardous substance"

SECTION 313: Not listed

CERCLA RQ: Not listed

RCRA LISTING: Not listed

MSDS ID NO: 5024F

PREPARED BY: SS

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