



**THE ANDERSONS  
MATERIAL SAFETY DATA SHEET**

PRODUCT CODE: AGC171M5

DATE PREPARED: 03/10/02

**SECTION I: PRODUCT IDENTITY**

PRODUCT NAME: The Andersons Golf Products 17-3-17

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: 1/8/03

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

HAZARDOUS COMPONENT	OSHA PEL	ACGIH TLV
Diammonium phosphate (CAS # 7783-28-0)	15 mg/m <sup>3</sup> (total) 5 mg/m <sup>3</sup> (respirable)	10 mg/m <sup>3</sup>
Ammonium sulfate (CAS # 7783-20-2)	15 mg/m <sup>3</sup> (total) 5 mg/m <sup>3</sup> (respirable)	10 mg/m <sup>3</sup>
Potash (CAS # 7447-40-7)	15 mg/m <sup>3</sup> (total) 5 mg/m <sup>3</sup> (respirable)	10 mg/m <sup>3</sup>
Inorganic iron mix (CAS # Not listed)	15 mg/m <sup>3</sup> (total) 5 mg/m <sup>3</sup> (respirable)	10 mg/m <sup>3</sup>
Manganese oxide mix (CAS # Not listed)	15 mg/m <sup>3</sup> (total) 5 mg/m <sup>3</sup> (respirable)	10 mg/m <sup>3</sup>
Sulfur coated urea (CAS # Not listed)		
Limestone (CAS # 1317-65-3)	15 mg/m <sup>3</sup> (total) 5 mg/m <sup>3</sup> (respirable)	10 mg/m <sup>3</sup>

**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; metal oxides may be released in a fire; sulfur will burn when separated from molten urea

**SECTION V: REACTIVITY DATA**

CONDITIONS TO AVOID: Excessive heat (greater than 300°F)  
INCOMPATIBILITY: Strong oxidizers, acids, hypochlorites, alkalis, fluorine, hydrogen peroxide  
HAZARDOUS DECOMPOSITION PRODUCTS: CO<sub>x</sub>, NH<sub>3</sub>, SO<sub>x</sub>, cyanuric acid, HCN, NO<sub>x</sub>, H<sub>2</sub>  
Product is stable and hazardous polymerization will not occur. May release ammonia on standing.

**SECTION VI: PERSONAL PROTECTION INFORMATION**

RESPIRATORY PROTECTION: NIOSH approved particulate respirator, if required  
EYE PROTECTION: Safety glasses with sideshields, goggles, or faceshield are recommended  
SKIN PROTECTION: Long sleeves, rubber gloves recommended  
VENTILATION: Local exhaust ventilation recommended

**SECTION VII: HEALTH HAZARD DATA**

HEALTH HAZARDS: May be irritating to the nose, throat, and respiratory tract, and may cause sore throat, coughing, and shortness of breath. Skin irritation may result; skin sensitization is possible. May also be irritating to the eyes, causing redness and watering. Ingestion may result in sore throat, abdominal pain, nausea, and diarrhea.

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:** Pre-existing eye, skin, or respiratory 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:** 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, 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:** 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. Do not store above 120° F.

**MSDS ID NO:** 235

**PREPARED BY:** SS

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