



**THE ANDERSONS  
MATERIAL SAFETY DATA SHEET**

PRODUCT CODE: AGC8569.1

DATE PREPARED: 03/18/02

**SECTION I: PRODUCT IDENTITY**

PRODUCT NAME: The Andersons Golf Products Turf Fertilizer 23-3-5 Plus Fungicide VIII

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

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

CURRENT AS OF: 7/25/05

**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> (inhalable) 3 mg/m <sup>3</sup> (respirable)
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> (inhalable) 3 mg/m <sup>3</sup> (respirable)
Urea (CAS # 57-13-6)	15 mg/m <sup>3</sup> (total) 5 mg/m <sup>3</sup> (respirable)	10 mg/m <sup>3</sup> (inhalable) 3 mg/m <sup>3</sup> (respirable)
Nutralene (CAS # Not listed)	15 mg/m <sup>3</sup> (total) 5 mg/m <sup>3</sup> (respirable)	10 mg/m <sup>3</sup> (inhalable) 3 mg/m <sup>3</sup> (respirable)
Vermiculite (CAS # 1318-00-9)	15 mg/m <sup>3</sup> (total) 5 mg/m <sup>3</sup> (respirable)	10 mg/m <sup>3</sup> (inhalable) 3 mg/m <sup>3</sup> (respirable)
Indopol (CAS # 9003-29-6)		
Thiophanate-methyl (CAS # 23564-05-8)		
Iprodione (CAS # 36734-19-7)		

**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

**SECTION V: REACTIVITY DATA**

CONDITIONS TO AVOID: Excessive heat (greater than 200°F)  
 INCOMPATIBILITY: Strong oxidizers, caustics, acids, hypochlorites, alkalis  
 HAZARDOUS DECOMPOSITION PRODUCTS: HCN, NO<sub>x</sub>, CO<sub>x</sub>, NH<sub>3</sub>, PO<sub>x</sub>, cyanuric acid, SO<sub>x</sub>  
 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, if required  
 EYE PROTECTION: Safety glasses with sideshields, goggles, or faceshield are recommended  
 SKIN PROTECTION: Long sleeves, chemical-resistant 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, throat, and respiratory tract, and may cause sore throat, coughing, and shortness of breath. Skin irritation may result; repeated or prolonged skin exposures may result in dermatitis. May also be irritating to the eyes, causing redness and watering. Prolonged eye exposure may cause conjunctivitis and corneal damage. 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 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.

**SECTION IX: ADDITIONAL INFORMATION**

ACTIVE INGREDIENT LEVEL (%): 2.05 as thiophanate-methyl  
1.02 as iprodione

**SARA INFORMATION:**

SECTION 302: Not an "extremely hazardous substance"

SECTION 313: Thiophanate-methyl listed

CERCLA RQ: Not listed

RCRA LISTING: Not listed

MSDS ID NO: 5100

PREPARED BY: SS

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