



**THE ANDERSONS  
MATERIAL SAFETY DATA SHEET**

PRODUCT CODE: AGC10PC4.1

DATE PREPARED: 11/26/97

**SECTION I: PRODUCT IDENTITY**

PRODUCT NAME: The Andersons Golf Products Fertilizer 10-0-14 with PCNB Fungicide

DISTRIBUTED BY: The Andersons Lawn Products  
P.O. Box 119  
Maumee, Ohio 43537

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

CURRENT AS OF: 5/18/04

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

HAZARDOUS COMPONENT	OSHA PEL	ACGIH TLV
Sulfate of Potash (CAS # 7778-80-5)	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)
Clay (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)
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> (inhalable) 3 mg/m <sup>3</sup> (respirable)
PCNB (CAS # 82-68-8)		
Polybutene (CAS # 9003-29-6)		

**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 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; open flames

INCOMPATIBILITY: Strong oxidizers, acids, alkalis

HAZARDOUS DECOMPOSITION PRODUCTS: HCl, NO<sub>x</sub>, CO<sub>x</sub>, NH<sub>3</sub>, SO<sub>x</sub>, phosgene

Product is stable and hazardous polymerization will not occur.

**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, 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 eyes, skin, and respiratory tract. Skin sensitization may result from repeated or prolonged exposure. Ingestion may result in abdominal pain, nausea, diarrhea, and vomiting. Significant overexposure to PCNB may result in central nervous system effects. Chronic effects include liver and kidney toxicity as well as additional CNS effects.

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: PCNB is considered a possible animal / human carcinogen. PCNB has also shown reproductive effects in animal testing. The PCNB active ingredient may contain trace amounts of HCB, which is both tumorigenic and teratogenic.

**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 (%): 15.0

SARA INFORMATION:

SECTION 302: PCNB is an "extremely hazardous substance"

SECTION 313: PCNB listed

CERCLA RQ: 100 pounds (PCNB)

RCRA LISTING: U185 (PCNB)

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MSDS ID NO: 5043

PREPARED BY: SS

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