



**THE ANDERSONS**  
**MATERIAL SAFETY DATA SHEET**

PRODUCT CODE: AGC73WFF3

DATE PREPARED: 02/02/06

**SECTION I: PRODUCT IDENTITY**

PRODUCT NAME: The Andersons Golf Products FF III Snowmold Fungicide with Fertilizer

DISTRIBUTOR INFO: The Andersons Lawn Products  
PO Box 119  
Maumee, Ohio 43537

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

CURRENT AS OF: 2/2/06

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

| HAZARDOUS COMPONENT                    | OSHA PEL  | ACGIH TLV   |
|--|---|---|
| Sulfate of Potash<br>(CAS # 7778-80-5) | 15 mg/m <sup>3</sup> (total)<br>5 mg/m <sup>3</sup> (respirable)  | 10 mg/m <sup>3</sup> (inhalable)<br>3 mg/m <sup>3</sup> (respirable)  |
| DG Lite carrier<br>(CAS # Not listed)  | 15 mg/m <sup>3</sup> (total)<br>5 mg/m <sup>3</sup> (respirable)  | 10 mg/m <sup>3</sup> (inhalable)<br>3 mg/m <sup>3</sup> (respirable)  |
| Ammonium sulfate<br>(CAS # 7783-20-2)  | 15 mg/m <sup>3</sup> (total)<br>5 mg/m <sup>3</sup> (respirable)  | 10 mg/m <sup>3</sup> (inhalable)<br>3 mg/m <sup>3</sup> (respirable)  |
| Nutralene<br>(CAS # Not listed)        | 15 mg/m <sup>3</sup> (total)<br>5 mg/m <sup>3</sup> (respirable)  | 10 mg/m <sup>3</sup> (inhalable)<br>3 mg/m <sup>3</sup> (respirable)  |
| Vermiculite<br>(CAS # Not listed)      | 15 mg/m <sup>3</sup> (total)<br>5 mg/m <sup>3</sup> (respirable)<br>0.1 mg/m <sup>3</sup> (respirable quartz) | 10 mg/m <sup>3</sup> (inhalable)<br>3 mg/m <sup>3</sup> (respirable)<br>0.5 mg/m <sup>3</sup> (respirable quartz) |
| Propiconazole<br>(CAS # 60207-90-1)    |   |   |
| PCNB<br>(CAS # 82-68-8)                |   | 0.5 mg/m <sup>3</sup>   |
| Chlorothalonil<br>(CAS # 1897-45-6)    | 15 mg/m <sup>3</sup> (total)<br>5 mg/m <sup>3</sup> (respirable)  | 10 mg/m <sup>3</sup> (inhalable)<br>3 mg/m <sup>3</sup> (respirable)  |
| Polybutene<br>(CAS # 9003-29-6)        |   |   |
| Butyrolactone<br>(CAS # 96-48-0)       |   |   |

**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  
INCOMPATIBILITY: Strong oxidizers, acids, alkalis  
HAZARDOUS DECOMPOSITION PRODUCTS: NO<sub>x</sub>, CO<sub>x</sub>, NH<sub>3</sub>, SO<sub>x</sub>, cyanuric acid, HCl, HCN, phosgene  
Product is stable and hazardous polymerization will not occur.

**SECTION VI: PERSONAL PROTECTION INFORMATION**

RESPIRATORY PROTECTION: NIOSH approved particulate / organic vapor respirator, if required  
EYE PROTECTION: Safety glasses with sideshields, goggles, or faceshield are highly recommended  
SKIN PROTECTION: Long sleeves, rubber (nitrile or butyl) 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, respiratory tract, and digestive system. Ingestion may result in abdominal pain, vomiting, and diarrhea. Skin and eye irritation may also result. Eye irritation can be severe. Skin allergies and sensitization are possible. Ingestion of large amounts of daconil may cause gastrointestinal irritation.

**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 crystalline silica / quartz and wood dust, which are listed by IARC as potential human carcinogens. Studies on laboratory animals have suggested that daconil may have oncogenic potential. PCNB is an experimental animal carcinogen and a possible 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 (%):** 7.5 as PCNB  
3.9 as chlorothalonil  
0.62 as propiconazole

**SARA INFORMATION:**

**SECTION 302:** Not an "extremely hazardous substance"

**SECTION 313:** All three actives (PCNB, chlorothalonil, and propiconazole) listed

**CERCLA RQ:** 100 lbs (PCNB)

**RCRA LISTING:** U185 (PCNB)

MSDS ID NO: 5132

PREPARED BY: SS

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