



**THE ANDERSONS  
MATERIAL SAFETY DATA SHEET**

PRODUCT CODE: APTDGGP4

DATE PREPARED: 04/03/08

**SECTION I: PRODUCT IDENTITY**

PRODUCT NAME: The Andersons Grubout Plus Prosect Insecticide

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

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

CURRENT AS OF: 4/4/08

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

HAZARDOUS COMPONENT	OSHA PEL	ACGIH TLV
DG Lite carrier (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)
Imidacloprid (CAS # 138261-41-3)		
Bifenthrin (CAS # 82657-04-3)		

**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): Relatively insoluble

APPEARANCE AND ODOR: Tan 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, bases

HAZARDOUS DECOMPOSITION PRODUCTS: NO<sub>x</sub>, CO<sub>x</sub>, HCl, HF, SO<sub>x</sub>

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, 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, throat, and respiratory tract. Skin irritation, including numbing, burning, or tingling sensations, may result from repeated or prolonged exposure. May also be irritating to the eyes. Overexposure through ingestion may result in nose bleeds, tremors, and convulsions. The bifenthrin active ingredient is moderately toxic by the oral route and slightly toxic by the dermal route.

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 crystalline silica and wood dust, which are listed by IARC as potential human carcinogens. Imidacloprid has shown no evidence of carcinogenicity in animal studies. Imidacloprid is not listed by ACGIH, IARC, NTP, or OSHA.

**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 (%):** 0.115 as imidacloprid  
0.077 as bifenthrin

**SARA INFORMATION:**

SECTION 302: Not an "extremely hazardous substance"

SECTION 313: Bifenthrin listed

**CERCLA RQ:** Not listed

**RCRA LISTING:** Not listed

**MSDS ID NO:** 1086

**PREPARED BY:** SS

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