



**THE ANDERSONS  
MATERIAL SAFETY DATA SHEET**

PRODUCT CODE: AGC8656.2

DATE PREPARED: 06/09/06

**SECTION I: PRODUCT IDENTITY**

PRODUCT NAME: The Andersons Golf Products Goosegrass / Crabgrass Control

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: 11/22/06

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

HAZARDOUS COMPONENT	OSHA PEL	ACGIH TLV
Biodac 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)
Betasan (CAS # 741-58-2)		
Oxadiazon (CAS # 19666-30-9)	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)

**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: Grey granular mix, with musty 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, acids, bases

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

Product is stable and hazardous polymerization will not occur.

**SECTION VI: PERSONAL PROTECTION INFORMATION**

RESPIRATORY PROTECTION: NIOSH approved pesticide respirator recommended, if required

EYE PROTECTION: Safety glasses with side shields, goggles, or faceshield are recommended

SKIN PROTECTION: Long sleeves, chemical-resistant (rubber) 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 and respiratory tract. Skin irritation may result from repeated or prolonged exposure. May also be irritating to the eyes, causing redness and watering. Ingestion may result in gastrointestinal tract irritation and abdominal pain. Betasan is a cholinesterase inhibitor. Symptoms of cholinesterase inhibition include salivation, sweating, headache, nausea, muscle twitching, tremors, incoordination, blurred vision, diarrhea, and chest discomfort.

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 and 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, which is listed by IARC as a potential human carcinogen. Oxadiazon has been shown to cause liver tumors at high doses. Oxadiazon is not teratogenic or mutagenic.

**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 (%):** 5.25 as betasan (bensulide)  
1.31 as oxadiazon

**SARA INFORMATION:**

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

**SECTION 313:** Oxadiazon listed

**CERCLA RQ:** Not listed

**RCRA LISTING:** Not listed

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**MSDS ID NO:** 1078

**PREPARED BY:** SS

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