



**THE ANDERSONS  
SAFETY DATA SHEET**

DATE PREPARED: 01/12/22

CURRENT AS OF: 6/1/22

**SECTION 1: PRODUCT / SUPPLIER IDENTIFICATION**

PRODUCT CODE: 10005679, 10005680

PRODUCT NAME: THE ANDERSONS TURF PRODUCTS DUOCIDE® INSECT CONTROL

PRODUCT USE: Fertilizer/Pesticide

MFR INFO: The Andersons, Inc.  
PO Box 119  
Maumee, OH 43537

FOR EMERGENCY: (800) 757-8951  
FOR INFORMATION: (419) 893-5050

**SECTION 2: HAZARDS IDENTIFICATION**

HAZARD SYMBOLS / STATEMENTS:



**WARNING**

**SUSPECTED OF CAUSING CANCER. HARMFUL IF INHALED OR SWALLOWED. CAUSES EYE, SKIN AND RESPIRATORY IRRITATION.**

HAZARD CLASSIFICATIONS:

- CARCINOGENICITY*
- ACUTE TOXICITY, INHALATION*
- ACUTE TOXICITY, ORAL*
- SPECIFIC TARGET ORGAN TOXICITY*
  - *SINGLE EXPOSURE*
  - *REPEATED EXPOSURE*

CATEGORY

- 2
- 4
- 4
- 3
- 3

INTERPRETATION

- Suspected of causing cancer
- Harmful if inhaled
- Harmful if swallowed
- Causes irritation to respiratory tract
- Causes damage to the blood or liver through prolonged or repeated exposure.

PRECAUTIONARY STATEMENTS:

- *OBTAIN SPECIAL INSTRUCTIONS BEFORE USE*
- *DO NOT HANDLE UNTIL ALL SAFETY PRECAUTIONS HAVE BEEN READ AND UNDERSTOOD*
- *IF EXPOSED OR CONCERNED: GET MEDICAL ADVICE/ATTENTION*
- *STORE LOCKED UP*
- *WEAR PROTECTIVE GLOVES AND CLOTHING*
- *REMOVE CONTAMINATED CLOTHING AND WASH BEFORE REUSE*
- *DO NOT BREATHE DUSTS*
- *IF INHALED: MOVE TO FRESH AIR AND KEEP COMFORTABLE. SEEK MEDICAL ATTENTION IF UNWELL*
- *WASH THOROUGHLY AFTER HANDLING*
- *IF SWALLOWED AND UNWELL: SEEK MEDICAL ATTENTION*
- *IF IN EYES OR ON SKIN: RINSE AREA WITH PLENTY OF WATER, REMOVE CONTACT LENSES*
- *IF EYE OR SKIN IRRITATION CONTINUES: SEEK MEDICAL ATTENTION*

**SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS**

<u>CHEMICAL IDENTITY</u>	<u>SYNONYM</u>	<u>CAS NUMBER</u>	<u>CONCENTRATION (%)</u>
Carbaryl	Sevin	63-25-2	<5.0
Bifenthrin	Talstar	82657-04-3	<1.0
Potassium Sulfate	Sulfate of potash	7778-80-5	00-10
Non-hazardous ingredients		Mixture	90-100

**SECTION 4: FIRST AID MEASURES**

IF INHALED:	Move to fresh air and keep comfortable. Call POISON CONTROL and seek medical attention.
IF ON SKIN:	Wash affected areas with soap and water while removing and isolating all contaminated clothing. Seek medical attention if irritation persists. Wash contaminated clothing before re-use.
IF IN THE EYES:	Immediately flush with water for 15-20 minutes, remove contact lenses if present and easy to do – continue rinsing. Seek medical attention if irritation persists.
IF SWALLOWED:	Rinse mouth. DO NOT INDUCE VOMITTING unless directed by a medical professional. Call POISON CONTROL and seek medical attention.
SPECIAL TREATMENT:	None known
HEALTH HAZARDS:	See Section 11

**SECTION 5: FIREFIGHTING MEASURES**

EXTINGUISHING MEDIA:	Use media suitable for surrounding fire. No special media required.
SPECIFIC FIRE HAZARDS:	When heated to decomposition, this product will emit toxic oxides and sulfides.
SPECIAL FIREFIGHTING PROCEDURES:	Wear full protective clothing and positive-pressure self-contained breathing apparatus (SCBA).

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

SPILL / RELEASE PROCEDURES:	Remove heat and sources of ignition. Do not create dusts. Contain material and place in containers for use as intended, or discard according to Federal, State and Local regulations.
ENVIRONMENTAL PRECAUTIONS:	Prevent spilled material from entering storm drains or water bodies. If material enters a waterway, notify the appropriate authorities.
PROTECTIVE EQUIPMENT:	Wear PPE according to Section 8

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## SECTION 7: HANDLING AND STORAGE

Avoid creating or accumulating dusts during processing and application. Wash hands after handling material. Do not eat, drink or smoke while handling the material. Do not get in eyes or on skin. Do not breathe dusts. Not intended for human consumption. Store locked up in a cool, dry, well-ventilated area away from incompatible materials.

## SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

### EXPOSURE LIMITS:

The following constituents are the only constituents of the product, which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

<u>HAZARDOUS COMPONENT</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Carbaryl	Not Available	5 mg/m <sup>3</sup>

### PERSONAL PROTECTIVE EQUIPMENT / PROTECTION MEASURES / CONTROLS:

RESPIRATORY PROTECTION:	NIOSH approved respirator, if required
EYE PROTECTION:	Safety glasses with sideshields, goggles, or faceshield
SKIN PROTECTION:	Appropriate for the task. Impervious and compatible with material
VENTILATION:	Use with adequate ventilation

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR:	Multi-colored granular
pH:	Not Applicable
MELTING POINT:	Not applicable
BOILING POINT:	Not available
FLASH POINT:	Not flammable
EVAPORATION RATE:	Not available
FLAMMABLE LIMITS:	Not applicable
VAPOR PRESSURE:	Not available
VAPOR DENSITY:	Not available
SPECIFIC GRAVITY:	~0.413
SOLUBILITY (IN WATER):	Soluble
PARTITION COEFFICIENT:	Not available
AUTOIGNITION TEMP:	Not available
DECOMPOSITION TEMP:	Not available
ODOR THRESHOLD:	Not available
VISCOSITY:	Not available

## SECTION 10: STABILITY AND REACTIVITY

STABILITY:	Product is stable.
CONDITIONS TO AVOID:	Heat, open flame, incompatible materials
INCOMPATIBILITY:	Strong oxidizers, organic solvents
HAZARDOUS DECOMPOSITION PRODUCTS:	NO <sub>x</sub> , CO <sub>x</sub> , methyl isocyanate

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### SECTION 11: TOXICOLOGICAL INFORMATION

**HEALTH EFFECTS:** Effects of contact or inhalation may be delayed. Suspected of damaging fertility or the unborn child. Causes damage to blood and liver through prolonged or repeated exposure. May cause eye and skin irritation. Ingestion may result in abdominal pain, nausea, diarrhea, blurred vision, sweating, salivation, muscle twitching, and tremor. Signs and symptoms include headache, dizziness, incoordination, muscle twitching, tremors, nausea, diarrhea, abdominal cramps, sweating, pupil constriction, blurred vision, salivation, tearing, tightness in the chest, excessive urination, and convulsions. All symptoms are dose-dependent, rapid in onset, and reversible in time. Harmful if swallowed or inhaled. Causes eye, skin and respiratory irritation.

**CARCINOGENICITY:** Carbaryl is classified as "Not Classifiable" (Group D). Acute and chronic exposure may cause cholinesterase inhibition. Product may contain trace amounts of wood dust and crystalline silica, which are listed by IARC as potential human carcinogens.

#### INGREDIENT TOXICITY RANGES:

ORAL: > 187 mg/kg (carbaryl) – 3,200 mg/kg (potassium sulfate)  
DERMAL: > 2,000 mg/kg (bifenthrin) – 4,000 mg/kg (carbaryl)  
INHALATION: > 2.5 mg/L (carbaryl, 4hr)

### SECTION 12: ECOLOGICAL INFORMATION

Very toxic to aquatic life with long lasting effects. Long-term degradation products may arise. Products of degradation are not expected to be hazardous.

### SECTION 13: DISPOSAL CONSIDERATIONS

Use product for intended purpose where possible. Do not generate dusts. Dispose of in accordance with all national, regional / state, and local regulations.

### SECTION 14: TRANSPORT INFORMATION

This product is not regulated as a transportation hazard.

### SECTION 15: REGULATORY INFORMATION

SARA 311/312:	Acute
SARA 313:	Carbaryl, Bifenthrin
REPORTABLE QUANTITY:	Carbaryl (100 lbs)
RIGHT-TO-KNOW:	Carbaryl (CA, CT, IL, MA, MN, NJ, PA, RI)
CA PROP-65:	WARNING: This product contains a chemical known to the State of California to cause cancer or reproductive harm (Carbaryl)
RCRA:	Code U279

**SECTION 16: OTHER INFORMATION**

NFPA RATINGS:       HEALTH               2  
                          FLAMMABILITY       0  
                          INSTABILITY         0

HMIS RATINGS:       HEALTH               2  
                          FLAMMABILITY       0  
                          INSTABILITY         0

ACTIVE INGREDIENT LEVEL (%):    2.300 as carbaryl  
  0.058 as bifenthrin

PREPARED BY:         DBA EHS Consulting

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