



**THE ANDERSONS  
SAFETY DATA SHEET**

DATE PREPARED: 03/13/20

CURRENT AS OF: 5/19/22

**SECTION 1: PRODUCT / SUPPLIER IDENTIFICATION**

PRODUCT CODE: 10004956, 10005074

PRODUCT NAME: ANDERSONS GOLF PRODUCTS TURF FERTILIZER 18-5-9 WITH MILLENNIUM  
ULTRA HERBICIDE

PRODUCT USE: Fertilizer/Herbicide

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:



**DANGER**

**CAUSES SERIOUS EYE DAMAGE, SKIN AND  
RESPIRATORY IRRITATION. HARMFUL IF  
SWALLOWED. MAY CAUSE AN ALLERGIC SKIN  
REACTION.**

HAZARD CLASSIFICATIONS:

*EYE DAMAGE*

*ACUTE TOXICITY, ORAL*

*SENSITIZATION, SKIN*

*SKIN IRRITATION*

*SPECIFIC TARGET ORGAN TOXICITY*

*- SINGLE EXPOSURE*

CATEGORY

1

4

1

2

3

INTERPRETATION

Causes serious eye damage

Harmful if swallowed

May cause an allergic skin reaction

Causes skin irritation

Causes irritation to respiratory tract

PRECAUTIONARY STATEMENTS:

- *OBTAIN SPECIAL INSTRUCTIONS BEFORE USE*
- *DO NOT HANDLE UNTIL ALL SAFETY PRECAUTIONS HAVE BEEN READ AND UNDERSTOOD.*
- *STORE LOCKED UP*
- *WEAR PROTECTIVE GLOVES AND CLOTHING*
- *REMOVE CONTAMINATED CLOTHING AND WASH BEFORE REUSE*
- *DO NOT BREATHE DUSTS*
- *USE ONLY OUTDOORS OR IN WELL-VENTILATED AREA*
- *IN CASE OF INADEQUATE VENTILATION WEAR RESPIRATORY PROTECTION*
- *IF EXPOSED OR CONCERNED: CALL POISON CONTROL OR SEEK MEDICAL ATTENTION*
- *WASH THOROUGHLY AFTER HANDLING*
- *DO NOT EAT, DRINK OR SMOKE WHEN USING THIS PRODUCT*
- *IF INHALED: REMOVE TO FRESH AIR AND KEEP COMFORTABLE. IMMEDIATELY CALL POISON CONTROL AND SEEK MEDICAL ATTENTION.*

**GOLF PRODUCTS TURF FERTILIZER 18-5-9 WITH MILLENNIUM ULTRA HERBICIDE**

- *IF SWALLOWED: RINSE MOUTH, CALL POISON CONTROL AND 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>
Diammonium Hydrogen Phosphate	DAP	7783-28-0	10-20
Ureas	Mixed ureas	Mixture	30-40
Potassium Chloride	White potash	7447-40-7	10-20
2,4-dichlorophenoxyacetic acid	2,4-D Ester	94-75-7	< 1%

**SECTION 4: FIRST AID MEASURES**

IF INHALED:	Move to fresh air and keep comfortable, seek medical attention if unwell.
IF ON SKIN:	Wash affected areas with soap and water. 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 VOMITING unless directed by a medical professional. Seek medical attention if unwell.
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, chlorides and ammonia.
SPECIAL FIREFIGHTING PROCEDURES:	Wear full protective clothing and positive-pressure self-contained breathing apparatus (SCBA).

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

SPILL / RELEASE PROCEDURES:	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

**SECTION 7: HANDLING AND STORAGE**

Wash hands after handling material. Do not eat, drink or smoke while handling the material. Do not breathe dusts. Not intended for human consumption. Store 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.

<b><u>HAZARDOUS COMPONENT</u></b>	<b><u>OSHA PEL</u></b>	<b><u>ACGIH TLV</u></b>
Potassium Chloride	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)

**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 mix, with slight ammonia odor
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:	~0.802
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, accumulation of dusts
INCOMPATIBILITY:	Strong acids, bases, oxidizers, soft metals and alloys
HAZARDOUS DECOMPOSITION PRODUCTS:	Toxic oxides, chlorides and ammonia

**SECTION 11: TOXICOLOGICAL INFORMATION**

**HEALTH EFFECTS:** Causes serious eye damage. Causes skin and respiratory irritation. May cause an allergic skin reaction. Harmful if swallowed.

**CARCINOGENICITY:** 2,4-dichlorophenoxyacetic acid is classified as "possibly carcinogenic to humans" (Group 2B).

**INGREDIENT TOXICITY RANGES:**

**ORAL:** > 100 mg/kg (2,4-dichlorophenoxyacetic acid) – 4,300 mg/kg (clopyralid)

**DERMAL:** > 1,500 mg/kg (2,4-dichlorophenoxyacetic acid – 2,000 mg/kg (dicamba)

**INHALATION:** > 2.36 mg/L (dicamba)

**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. Excessive nutrients in waterways may cause algal blooms that may be detrimental to aquatic life.

**SECTION 13: DISPOSAL CONSIDERATIONS**

Use product for intended purpose where possible. 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:	2,4-dichlorophenoxyacetic acid
REPORTABLE QUANTITY:	Acetic acid, (2,4-dichlorophenoxy)- (100 lbs.)
RCRA:	Code U240

**SECTION 16: OTHER INFORMATION**

NFPA RATINGS:	HEALTH	2
	FLAMMABILITY	0
	INSTABILITY	0

HMIS RATINGS:	HEALTH	2
	FLAMMABILITY	0
	INSTABILITY	0

**ACTIVE INGREDIENT LEVEL (%):** 0.690 as 2,4-dichlorophenoxyacetic acid  
0.071 as clopyralid acid  
0.071 as dicamba

**PREPARED BY:** DBA EHS Consulting

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