



**THE ANDERSONS  
SAFETY DATA SHEET**

DATE PREPARED: 11/21/16

CURRENT AS OF: 11/22/16

**SECTION 1: PRODUCT / SUPPLIER IDENTIFICATION**

PRODUCT CODE: AGC22DMR5.40

PRODUCT NAME: Andersons Golf Products Turf Fertilizer 22-0-16 w/ Dimension Turf Herbicide & Ronstar

PRODUCT USE: Fertilizer / Pesticide

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

FOR EMERGENCY: (800) 757-8951

FOR INFORMATION: (419) 893-5050

**SECTION 2: HAZARDS IDENTIFICATION**

HAZARD SYMBOLS / STATEMENTS:



**WARNING SUSPECTED OF DAMAGING FERTILITY OR THE UNBORN CHILD.  
CAUSES DAMAGE TO ORGANS THROUGH PROLONGED OR REPEATED  
EXPOSURE.  
MAY CAUSE SKIN AND EYE IRRITATION**

HAZARD CLASSIFICATIONS:

*TOXIC TO REPRODUCTION  
SPECIFIC TARGET ORGAN TOXICITY  
- REPEATED EXPOSURE  
EYE IRRITATION  
SKIN IRRITATION*

CATEGORY

2  
2  
2B  
2

INTERPRETATION

Suspected of damaging fertility or the unborn child  
May cause damage to the blood and liver  
through prolonged or repeated exposure  
Causes eye irritation  
Causes skin irritation

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*
- *SEEK MEDICAL ATTENTION IF YOU FEEL 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>
Ureas		Mixed	50-55
Potassium Sulfate	Sulfate of potash	7778-80-5	30-35
Limestone	Dolomite	16389-88-1	10-15
Oxadiazon	Ronstar	19666-30-9	0.1-1

**SECTION 4: FIRST AID MEASURES**

IF INHALED:	Move to fresh air and keep comfortable 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 and seek medical attention.
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, hydrogen sulfide 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:	Do not create dust. 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 get in eyes or on skin. 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.

<u>HAZARDOUS COMPONENT</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Potassium sulfate	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 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:	~0.962
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, incompatible materials
INCOMPATIBILITY:	Strong acids, bases and oxidizers
HAZARDOUS DECOMPOSITION PRODUCTS:	Toxic oxides, hydrogen sulfide and ammonia

**SECTION 11: TOXICOLOGICAL INFORMATION**

HEALTH EFFECTS:	Suspected of damaging fertility or the unborn child. Prolonged or repeated overexposure to dithiopyr may result in kidney, liver, and blood effects, and thyroid damage. Repeated inhalation of excessive concentrations of oxadiazon may lead to a benign lung condition known as siderosis. 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. .
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**CARCINOGENICITY:** Oxadiazon is classified as "Possible human carcinogen" (Group C). In addition, the product may contain trace amounts of crystalline silica, which is listed by IARC as a potential human carcinogen.

**INGREDIENT TOXICITY RANGES:**

ORAL: 2,600 mg/kg (potassium sulfate) – 14,300 mg/kg (urea)

DERMAL: > 2,000 mg/kg (oxadiazon)

INHALATION: 1.8 mg/L (4 hr) (oxadiazon)

**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 (diammonium hydrogen phosphate)

SARA 313: Oxadiazon

RIGHT-TO-KNOW: Oxadiazon (NJ)

CA PROP-65: WARNING: This product contains a chemical known to the State of California to cause cancer or reproductive harm (Oxadiazon)

**SECTION 16: OTHER INFORMATION**

NFPA RATINGS: HEALTH 2  
FLAMMABILITY 0  
INSTABILITY 0

HMIS RATINGS: HEALTH 2  
FLAMMABILITY 0  
INSTABILITY 0

ACTIVE INGREDIENT LEVEL (%): 0.125 as dithiopyr  
1.0 as oxadiazon

SDS NO: 5049

PREPARED BY: DBA EHS Consulting

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