



THE ANDERSONS
SAFETY DATA SHEET

DATE PREPARED: 11/22/16

CURRENT AS OF: 11/28/16

SECTION 1: PRODUCT / SUPPLIER IDENTIFICATION

PRODUCT CODE: AGC8684.40

PRODUCT NAME: Andersons Golf Products 15-5-10 Fertilizer Plus 1% Ronstar

PRODUCT USE: Fertilizer

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

CATEGORY

2

INTERPRETATION

Suspected of damaging fertility or the unborn child

SPECIFIC TARGET ORGAN TOXICITY

- *REPEATED EXPOSURE*

2

May cause damage to the blood and liver through prolonged or repeated exposure

EYE IRRITATION

2B

Causes eye irritation

SKIN IRRITATION

2

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>
Limestone	Calcite	1317-65-3	40-45
Ureas		Mixed	25-30
Potassium Chloride	White potash	7447-40-7	15-20
Diammonium Hydrogen Phosphate	DAP	7783-28-0	10-15
Oxadiazon		19666-30-9	1-5

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, chlorine 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 PROTECTIONEXPOSURE 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>
Limestone	15 mg/m ³ (total) 5 mg/m ³ (respirable)	10 mg/m ³ (inhalable) 3 mg/m ³ (respirable)

PERSONAL PROTECTIVE EQUIPMENT / PROTECTION MEASURES / CONTROLS:

RESPIRATORY PROTECTION:	NIOSH approved pesticide 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 sulfur 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:	~1.023
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, chlorine and ammonia

SECTION 11: TOXICOLOGICAL INFORMATION

HEALTH EFFECTS:	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. May be irritating to the nose, throat, and respiratory tract, and may cause sore throat, coughing, and shortness of breath.
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CARCINOGENICITY: Oxadiazon is classified as "Possible human carcinogen" (Group C). Product may also contain trace amounts of crystalline silica, which is listed by IARC as a potential human carcinogen.

INGREDIENT TOXICITY RANGES:

ORAL: > 2,000 mg/kg (diammonium phosphate) – 14,300 mg/kg (urea)

DERMAL: > 2,000 mg/kg (oxadiazon) -- > 5,000 mg/kg (diammonium phosphate)

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 (%): 1.0 as oxadiazon

SDS NO: 5078

PREPARED BY: DBA EHS Consulting

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