



**THE ANDERSONS
SAFETY DATA SHEET**

DATE PREPARED: 11/23/16

CURRENT AS OF: 11/28/16

SECTION 1: PRODUCT / SUPPLIER IDENTIFICATION

PRODUCT CODE: APT2250WF4.50

PRODUCT NAME: Andersons Professional Turf Products 22-0-4 with Trimec Herbicide

PRODUCT USE: Fertilizer/Herbicide

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:



DANGER

**HARMFUL IF SWALLOWED OR INHALED.
MAY CAUSE EYE AND SKIN IRRITATION.
SUSPECTED OF DAMAGING FERTILITY OR THE
UNBORN CHILD.
CAUSES DAMAGE TO ORGANS THROUGH
REPEATED EXPOSURE.**

HAZARD CLASSIFICATIONS:

| <u>HAZARD CLASSIFICATIONS:</u> | <u>CATEGORY</u> | <u>INTERPRETATION</u> |
|---------------------------------------|-----------------|---|
| <i>EYE IRRITATION</i> | 2B | Causes eye irritation |
| <i>SKIN IRRITATION</i> | 2 | Causes skin irritation |
| <i>ACUTE TOXICITY, ORAL</i> | 4 | Harmful if swallowed |
| <i>ACUTE TOXICITY, INHALATION</i> | 4 | Harmful if inhaled |
| <i>TOXIC TO REPRODUCTION</i> | 4 | Suspected of damaging fertility or the unborn child |
| <i>SPECIFIC TARGET ORGAN TOXICITY</i> | | |
| - <i>REPEATED EXPOSURE</i> | 1 | Causes damage to the liver |

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*
- *WASH THOROUGHLY AFTER HANDLING*
- *IF SWALLOWED: 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*
- *IF INHALED, REMOVE TO FRESH AIR AND KEEP AT REST IN A POSITION COMFORTABLE FOR BREATHING*

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 | 35-40 |
| Ureas | | Mixed | 35-40 |
| Sulfur Coated Urea | | Mixture | 10-15 |
| Potassium Chloride | White potash | 7447-40-7 | 5-10 |
| Corncob fractions | | Mixture | 5-10 |
| Trimec | | Mixture | 1-5 |

SECTION 4: FIRST AID MEASURES

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| IF INHALED: | Move to fresh air and keep comfortable. Call POISON CONTROL and seek medical attention if unwell. |
| 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

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| 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, chlorine and ammonia |
| SPECIAL FIREFIGHTING PROCEDURES: | Wear full protective clothing and positive-pressure self-contained breathing apparatus (SCBA). |

SECTION 6: ACCIDENTAL RELEASE MEASURES

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| 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 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 and sources of heat.

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> |
|----------------------------|--|--|
| Limestone | 15 mg/m ³ (total) 5 mg/m ³ (respirable) | 10 mg/m ³ (inhalable) 3 mg/m ³ (respirable) |
| 2,4-D | 10 mg/m ³ | 10 mg/m ³ |

PERSONAL PROTECTIVE EQUIPMENT / PROTECTION MEASURES / CONTROLS:

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|-------------------------|---|
| RESPIRATORY PROTECTION: | NIOSH approved pesticide respirator, if required |
| EYE PROTECTION: | Safety glasses with sideshields, goggles, or faceshield |
| SKIN PROTECTION: | Long sleeves, chemical-resistant (rubber) recommended |
| VENTILATION: | Use with adequate ventilation |

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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| 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: | ~0.795 |
| SOLUBILITY (IN WATER): | Partially 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

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| STABILITY: | Product is stable. |
| CONDITIONS TO AVOID: | Heat, incompatible materials |
| INCOMPATIBILITY: | Strong acids, bases and oxidizers, metal coatings |
| HAZARDOUS DECOMPOSITION PRODUCTS: | Toxic oxides, chlorine and ammonia |

SECTION 11: TOXICOLOGICAL INFORMATION

HEALTH EFFECTS: May be irritating to the nose, throat, and respiratory tract, and may cause sore throat, coughing, and shortness of breath. Skin irritation may result; repeated or prolonged skin exposures may result in dermatitis. May also be irritating to the eyes, causing redness and watering. Prolonged eye exposure may cause conjunctivitis and corneal damage. Ingestion may result in sore throat, abdominal pain, nausea, and diarrhea. Excessive exposure to the active ingredient may cause liver, kidney, blood, gastrointestinal, and muscular effects. Ingestion of large amounts of sulfur may lead to hydrogen sulfide poisoning due to bacterial conversion of sulfur in the colon.

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.

INGREDIENT TOXICITY RANGES:

ORAL: 370 mg/kg (2, 4-dichlorophenoxyacetic acid) – 14,300 mg/kg (urea)

DERMAL: 900 mg/kg (mecoprop)

INHALATION: > 5.4 mg/L (2,4-D) -- > 9.6 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.

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, Chronic |
| SARA 313: | 2,4-dichlorophenoxyacetic acid Mecoprop Dimethylamine dicamba |
| REPORTABLE QUANTITY: | 2,4-dichlorophenoxyacetic acid (100 lbs) |
| RIGHT-TO-KNOW: | 2,4-dichlorophenoxyacetic acid (MA, PA, NJ) Mecoprop (PA, NJ) |
| RCRA: | U240 (2,4-dichlorophenoxyacetic acid) |

SECTION 16: OTHER INFORMATION

NFPA RATINGS: HEALTH 2
 FLAMMABILITY 0
 INSTABILITY 0

HMIS RATINGS: HEALTH 2
 FLAMMABILITY 0
 INSTABILITY 0

ACTIVE INGREDIENT LEVEL (%): 0.05 as dicamba
 0.12 as mecoprop
 0.55 as 2,4-dichlorophenoxyacetic acid

SDS NO: 5119

PREPARED BY: DBA EHS Consulting

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