



# THE ANDERSONS PROFESSIONAL TURF PRODUCTS FERTILIZER WITH SURGE® BROADLEAF HERBICIDE

## SAFETY DATA SHEET

CURRENT AS OF: 6/27/24

### SECTION 1: PRODUCT / SUPPLIER IDENTIFICATION

PRODUCT CODE: 10008637, 10008873, 10009681

PRODUCT NAME: THE ANDERSONS PROFESSIONAL TURF PRODUCTS FERTILIZER WITH SURGE® BROADLEAF 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 SKIN AND RESPIRATORY IRRITATION. CAUSES SERIOUS EYE DAMAGE. HARMFUL IF SWALLOWED. MAY CAUSE AN ALLERGIC SKIN REACTION.**

#### HAZARD CLASSIFICATIONS:

*ACUTE TOXICITY, ORAL*

*SENSITIZATION, SKIN*

*EYE DAMAGE*

*SKIN IRRITATION*

*SPECIFIC TARGET ORGAN TOXICITY*

- *SINGLE EXPOSURE*

#### CATEGORY

4

1

1

2

3

#### INTERPRETATION

Harmful if swallowed

May cause an allergic skin reaction

Causes serious eye damage

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*

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- *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.*
- *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*

### HAZARDS NOT CLASSIFIED:

- *MAY FORM COMBUSTIBLE DUST CONCENTRATIONS IN AIR DURING PROCESSING*

## SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

| <u>CHEMICAL IDENTITY</u>  | <u>SYNONYM</u>     | <u>CAS NUMBER</u> | <u>CONCENTRATION (%)</u> |
|---------------------------|--------------------|-------------------|--------------------------|
| Ureas                     | Sulfur Coated Urea | 57-13-6           | 30-40                    |
| Potassium Chloride        | Muriate of Potash  | 7447-40-7         | 10-20                    |
| Limestone                 | Calcite            | 1317-65-3         | 40-50                    |
| Corn cob Fractions        |                    | Not available     | 00-10                    |
| Mecoprop-p                |                    | 16484-77-8        | < 1%                     |
| Dicamba                   |                    | 1918-00-9         | < 1%                     |
| 2,4-D, 2-Ethylhexyl Ester |                    | 1928-43-4         | < 1%                     |
| Sulfentrazone             |                    | 122836-35-5       | < 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 and seek medical attention. |
| IF SWALLOWED:      | Rinse mouth and seek medical attention. DO NOT INDUCE VOMITING unless directed by a medical professional.                                      |
| 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 fumes and oxides. Wood dust is a strong to severe explosion hazard if a dust cloud contacts an ignition source. Airborne concentrations of 40g/m <sup>3</sup> may explode in the presence of an ignition source. |

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**SPECIAL FIREFIGHTING PROCEDURES:** Wear full protective clothing and positive-pressure self-contained breathing apparatus (SCBA). Avoid generating dust during fire suppression using strong streams of fluid, chemical or gases as dust may become dispersed in air at combustible concentrations.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

**SPILL / RELEASE PROCEDURES:** Wear PPE accordingly to mitigate hazards of exposure during cleanup. Do not create dust. Eliminate all sources of ignition and keep unauthorized personnel away. Dust suppression should be achieved before, and maintained during, cleanup. Contain material and place in containers for disposal. Dispose of 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:** Dust collection, handling, storage and waste equipment should be engineered and maintained to prevent the escape of dust. Explosion relief vents are recommended for dust collection, handling, storage and waste equipment. Use only correctly classified electrical equipment. Wear PPE according to Section 8

### SECTION 7: HANDLING AND STORAGE

Avoid creating or accumulating dust during processing, handling, storing and application. Wash hands after handling material. Keep away from all sources of heat and ignition (sparks, flame, smoking). Good housekeeping practices should be maintained to remove dust accumulation from surfaces. Ensure all transfer and mixing equipment is bonded/grounded to eliminate static discharge. This material will burn if heated, and concentrations in air may become combustible and explode. Do not eat, drink or smoke while handling the material. Do not get in eyes or on skin. Do not breathe dust. May form combustible dust during processing.

### 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. Currently, the other constituents have no known exposure limits.

| <u>HAZARDOUS COMPONENT</u> | <u>OSHA PEL</u>  | <u>ACGIH TLV</u>   |
|----------------------------|--|--|
| Potassium Chloride         | 15 mg/m <sup>3</sup> (total)<br>5 mg/m <sup>3</sup> (respirable) | 10 mg/m <sup>3</sup> (inhalable)<br>3 mg/m <sup>3</sup> (respirable) |
| Limestone                  | 15 mg/m <sup>3</sup> (total)<br>5 mg/m <sup>3</sup> (respirable) | 10 mg/m <sup>3</sup> (inhalable)<br>3 mg/m <sup>3</sup> (respirable) |
| 2,4-D Ethylhexyl Ester     | 10 mg/m <sup>3</sup> (TWA)                                       | 10 mg/m <sup>3</sup> (inhalable, as sulfur)                          |

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### 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:      | Not available                               |
| 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**

|                                   |   |
|-----------------------------------|---|
| STABILITY:                        | Product is stable.  |
| CONDITIONS TO AVOID:              | Heat, accumulation of dust  |
| INCOMPATIBILITY:                  | Strong acids, bases, oxidizers, alcohols, amines, drying oils and hypochlorites |
| HAZARDOUS DECOMPOSITION PRODUCTS: | Toxic oxides/fumes, chlorides, ammonia, cyanuric acid, organochlorides, SO.     |

### **SECTION 11: TOXICOLOGICAL INFORMATION**

|                  |   |
|------------------|---|
| HEALTH EFFECTS:  | Causes skin and respiratory irritation. Causes serious eye damage. May cause an allergic skin reaction. Harmful if swallowed. |
| CARCINOGENICITY: | 2,4-D Ethylhexyl Ester is classified as "possibly carcinogenic to humans" (Group 2B).   |

#### INGREDIENT TOXICITY RANGES:

|             |   |
|-------------|---|
| ORAL:       | > 300 mg/kg (2,4-D ethylhexyl ester) – 650 mg/kg (mecoprop) |
| DERMAL:     | > 900 mg/kg (mecoprop) – 2,000 mg/kg (dicamba)              |
| INHALATION: | > 2.36 mg/L (dicamba) – 5.4 mg/L (2,4-D ethylhexyl ester)   |

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**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. 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:            | Mecoprop<br>Dicamba                                    |
| REPORTABLE QUANTITY: | Dicamba (1000 lbs)<br>2,4-D Ethylhexyl Ester (100 lbs) |
| RIGHT-TO-KNOW:       | 2,4-D 2-Ethylhexyl Ester (NJ)<br>Dicamba (MA, NJ, PA)  |

**SECTION 16: OTHER INFORMATION**

|                              |  |   |
|------------------------------|--|---|
| NFPA RATINGS:                | HEALTH   | 2 |
|                              | FLAMMABILITY   | 0 |
|                              | INSTABILITY  | 0 |
| HMIS RATINGS:                | HEALTH   | 2 |
|                              | FLAMMABILITY   | 0 |
|                              | INSTABILITY  | 0 |
| ACTIVE INGREDIENT LEVEL (%): | 1.000 as 2,4-D 2-ethylhexyl ester<br>0.171 as mecoprop<br>0.072 as dicamba<br>0.034 as sulfentrazone |   |

**PREPARATION & VERSION INFORMATION**

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