



# ANDERSONS GOLF PRODUCTS TURF FERTILIZER 23-0-12

## THE ANDERSONS SAFETY DATA SHEET

CURRENT AS OF: 2/18/26

### SECTION 1: PRODUCT / SUPPLIER IDENTIFICATION

PRODUCT CODE: 10005121, 10005128, 10005130

PRODUCT NAME: ANDERSONS GOLF PRODUCTS TURF FERTILIZER 23-0-12

PRODUCT USE: Fertilizer

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:



SIGNAL WORD: *WARNING*

HAZARD STATEMENT: *CAUSES SERIOUS EYE, SKIN, AND RESPIRATORY IRRITATION.*

| <u>HAZARD CLASSIFICATIONS:</u>                                    | <u>CATEGORY</u> | <u>INTERPRETATION</u>                     |
|---|-----------------|---|
| <i>EYE DAMAGE</i>   | 2A              | Causes serious eye irritation             |
| <i>SKIN IRRITATION</i>  | 2               | Causes skin irritation                    |
| <i>SPECIFIC TARGET ORGAN TOXICITY</i><br><i>- SINGLE EXPOSURE</i> | 3               | May cause irritation to respiratory tract |

#### PRECAUTIONARY STATEMENTS:

- *WEAR PROTECTIVE GLOVES AND CLOTHING*
- *REMOVE CONTAMINATED CLOTHING AND WASH BEFORE REUSE*
- *AVOID BREATHING DUSTS*
- *IF INHALED: MOVE TO FRESH AIR AND KEEP COMFORTABLE. SEEK MEDICAL ATTENTION IF UNWELL*
- *USE ONLY OUTDOORS OR IN WELL-VENTILATED AREA*
- *CALL POISON CONTROL OR SEEK MEDICAL ATTENTION IF YOU FEEL UNWELL*
- *WASH THOROUGHLY AFTER HANDLING*
- *DO NOT EAT, DRINK OR SMOKE WHEN USING THIS PRODUCT*
- *IF SWALLOWED: RINSE MOUTH AND SEEK MEDICAL ATTENTION*
- *IF IN EYES OR ON SKIN: RINSE AREA WITH PLENTY OF WATER, REMOVE CONTACT LENSES AND SEEK MEDICAL ATTENTION*
- *IF SKIN IRRITATION CONTINUES: SEEK MEDICAL ATTENTION*

**SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS**

| <b><u>CHEMICAL IDENTITY</u></b> | <b><u>SYNONYM</u></b> | <b><u>CAS NUMBER</u></b> | <b><u>CONCENTRATION (%)</u></b> |
|---------------------------------|-----------------------|--------------------------|---------------------------------|
| Ureas                           | Mixed ureas           | 57-13-6                  | 30-40                           |
| Potassium Sulfate               |                       | 7778-80-5                | 20-30                           |
| Ammonium Sulfate                |                       | 7783-20-2                | 30-40                           |
| Manganese Oxide                 | Manganic oxide        | 1317-34-6                | 00-10                           |
| Iron Oxide                      |                       | 1309-37-1                | 00-10                           |
| Montmorillonite Clay            | Clay                  | 1318-93-0                | 00-10                           |

**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. DO NOT INDUCE VOMITING 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, sulfides, 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. Avoid breathing 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. Currently, the other constituents have no known exposure limits.

| <u>HAZARDOUS COMPONENT</u> | <u>OSHA PEL</u>    | <u>ACGIH TLV</u>     |
|----------------------------|--------------------|----------------------|
| Manganese Compounds        | 5mg/m <sup>3</sup> | 0.2mg/m <sup>3</sup> |

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:   | Granular       |
| 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): | 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                                 |
| INCOMPATIBILITY:                  | Strong acids, bases, and oxidizers   |
| HAZARDOUS DECOMPOSITION PRODUCTS: | Toxic oxides, sulfides, and ammonia. |

**SECTION 11: TOXICOLOGICAL INFORMATION**

**ANDERSONS GOLF PRODUCTS TURF FERTILIZER 23-0-12**

HEALTH EFFECTS: Causes serious eye, skin, and respiratory irritation.

CARCINOGENICITY: None of the ingredients are known / listed carcinogens.

INGREDIENT TOXICITY RANGES:

ORAL: > 3,000 mg/kg (ammonium sulfate) – 14,300 mg/kg (urea)

DERMAL: > 2,000 mg/kg (ammonium sulfate)

**SECTION 12: ECOLOGICAL INFORMATION**

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****US FEDERAL REGULATIONS**

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 304: This material does not contain any components with a section 304 EHS RQ.

SARA 311 / 312: Refer to Section 2.

SARA 313: The following components are subject to reporting levels established by SARA Title III, Section 313:

| CHEMICAL NAME       | CAS No. | % BY WEIGHT |
|---------------------|---------|-------------|
| Manganese Compounds |         |             |

| CERCLA (RQ): | CHEMICAL NAME       | CAS No. | REPORTABLE QTY (lbs) |
|--------------|---------------------|---------|----------------------|
|              | Manganese Compounds |         | No RQ                |

| <b>TSCA</b>          |           |                           |                                       |
|----------------------|-----------|---------------------------|---------------------------------------|
| Chemical Name        | CAS No.   | US TSCA Inventory Listing | US TSCA Inactive / Active Designation |
| Urea                 | 57-13-6   | Present                   | Active                                |
| Manganese Oxide      | 1317-34-6 | Present                   | Active                                |
| Iron Oxide           | 1309-37-1 | Present                   | Active                                |
| Potassium Sulfate    | 7778-80-5 | Present                   | Active                                |
| Ammonium Sulfate     | 7783-20-2 | Present                   | Active                                |
| Montmorillonite Clay | 1318-93-0 | Exempt                    | Active                                |

**US STATE REGULATIONS**

| RIGHT-TO-KNOW: | CHEMICAL NAME       | CAS No. | States             |
|----------------|---------------------|---------|--------------------|
|                | Manganese Compounds |         | CA, MA, MN, NJ, PA |

CALIFORNIA PROP 65: No requirements

**SECTION 16: OTHER INFORMATION**

|               |              |   |
|---------------|--------------|---|
| NFPA RATINGS: | HEALTH       | 1 |
|               | FLAMMABILITY | 0 |
|               | INSTABILITY  | 0 |

|               |              |   |
|---------------|--------------|---|
| HMIS RATINGS: | HEALTH       | 1 |
|               | FLAMMABILITY | 0 |
|               | INSTABILITY  | 0 |

**PREPARATION & VERSION INFORMATION**

Version 001 – SDS originally created 02/18/2026 Prepared By DBA EHS Consulting

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