



**THE ANDERSONS  
SAFETY DATA SHEET**

DATE PREPARED: 08/27/20

CURRENT AS OF: 1/27/22

**SECTION 1: PRODUCT / SUPPLIER IDENTIFICATION**

PRODUCT CODE: 10005462, 10005000

PRODUCT NAME: THE ANDERSONS 14-28-10 TURF FERTILIZER WITH MUTECH® NITROGEN

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 / STATEMENTS:



**WARNING**

**CAUSES SKIN AND EYE IRRITATION.**

HAZARD CLASSIFICATIONS:

*EYE IRRITATION*  
*SKIN IRRITATION*

CATEGORY

2B  
2

INTERPRETATION

Causes eye irritation  
Causes skin irritation

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*
- *IF EYE OR 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> |
|---------------------------------|-----------------------|--------------------------|---------------------------------|
| Ammonium Dihydrogen Phosphate   | MAP                   | 7722-76-1                | 50-60                           |
| Ureas                           | Mixed ureas           | 57-13-6                  | 20-30                           |
| Potassium Sulfate               |                       | 7778-80-5                | 20-30                           |

**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. Seek medical attention if irritation persists. |
| IF SWALLOWED:      | Rinse mouth. DO NOT INDUCE VOMITING unless directed by a medical professional. Seek medical attention if unwell.                                                   |
| 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. At this time, the other constituents have no known exposure limits.

**HAZARDOUS COMPONENT****OSHA PEL****ACGIH TLV**

Dry fertilizer blend

Not available

Not available

**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:      | ~0.987         |
| 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, oxidizers, soft metals and alloys.

HAZARDOUS DECOMPOSITION PRODUCTS: Toxic oxides, sulfides and ammonia

**SECTION 11: TOXICOLOGICAL INFORMATION**

HEALTH EFFECTS: Causes skin and eye irritation.

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

INGREDIENT TOXICITY RANGES:

ORAL: &gt; 3,200 mg/kg (potassium sulfate) – 14,300 mg/kg (urea)

**SECTION 12: ECOLOGICAL INFORMATION**

Long term degradation products may arise. Products of degradation are not expected to be hazardous. Excessive nutrients in waterways may cause algal blooms that may be detrimental to aquatic life.

**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

**SECTION 16: OTHER INFORMATION**

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

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

PREPARED BY: DBA EHS Consulting

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