



THE ANDERSONS
SAFETY DATA SHEET

DATE PREPARED: 11/30/10

CURRENT AS OF: 10/6/17

SECTION 1: PRODUCT / SUPPLIER IDENTIFICATION

PRODUCT CODE: APPI144
PRODUCT NAME: The Andersons 14+0+9 Turf Fertilizer
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 **MAY CAUSE EYE IRRITATION**
MAY CAUSE RESPIRATORY IRRITATION

HAZARD CLASSIFICATIONS:

EYE IRRITATION

SPECIFIC TARGET ORGAN TOXICITY

- *SINGLE EXPOSURE*

CATEGORY

2B

3

INTERPRETATION

May cause eye irritation

Causes irritation to respiratory tract

PRECAUTIONARY STATEMENTS:

- *CALL A POISON CENTER / PHYSICIAN IF UNWELL*
- *IF SKIN IRRITATION OCCURS, GET MEDICAL ADVICE*
- *IF IN EYES, RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES – REMOVE CONTACT LENSES*
- *IF EYE IRRITATION PERSISTS, GET MEDICAL ADVICE*
- *WASH HANDS AFTER HANDLING*
- *USE ONLY OUTDOORS OR IN WELL VENTILATED AREAS*
- *AVOID BREATHING DUST*
- *IF INHALED, REMOVE TO FRESH AIR AND KEEP AT REST IN A POSITION COMFORTABLE FOR BREATHING*
- *STORE CONTAINER TIGHTLY CLOSED*
- *DISPOSE OF CONTENTS / CONTAINER IN ACCORDANCE WITH NATIONAL / REGIONAL / LOCAL REGULATIONS*

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

| <u>CHEMICAL IDENTITY</u> | <u>SYNONYM</u> | <u>CAS NUMBER</u> | <u>CONCENTRATION (%)</u> |
|--------------------------|-------------------|-------------------|--------------------------|
| Ammonium sulfate | | 7783-20-2 | 60-70 |
| Potassium sulfate | Sulfate of potash | 7778-80-5 | 10-20 |
| Limestone | | 1317-65-3 | 10-20 |

SECTION 4: FIRST AID MEASURES

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| IF INHALED: | Move victim to fresh air. Seek medical attention if irritation persists. |
| 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 at least 20 minutes. Seek medical attention if irritation persists. |
| IF SWALLOWED: | If victim is alert and not convulsing, give one glass of water to dilute material and induce vomiting. Seek immediate 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: | Decomposition products may be toxic. |
| SPECIAL FIREFIGHTING PROCEDURES: | Wear full protective clothing and positive-pressure self-contained breathing apparatus. |

SECTION 6: ACCIDENTAL RELEASE MEASURES

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| SPILL / RELEASE PROCEDURES: | Collect spilled product and store to re-use. Contaminated product and/or environmental media should be recovered and disposed of properly. |
| ENVIRONMENTAL PRECAUTIONS: | Prevent spilled material from entering storm drains or water bodies. |
| PROTECTIVE EQUIPMENT: | See Section 8 |

SECTION 7: HANDLING AND STORAGE

Store in a cool, dry, well ventilated area. Do not store above 120° F.

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> |
|-----------------------------------|--|--|
| Ammonium sulfate | 15 mg/m ³ (total) 5 mg/m ³ (respirable) | 10 mg/m ³ (inhalable) 3 mg/m ³ (respirable) |
| Potassium sulfate | 15 mg/m ³ (total) 5 mg/m ³ (respirable) | 10 mg/m ³ (inhalable) 3 mg/m ³ (respirable) |
| 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 particulate respirator, if required
EYE PROTECTION: Safety glasses with sideshields, goggles, or faceshield recommended
SKIN PROTECTION: Long sleeves, chemical-resistant gloves recommended
VENTILATION: Local exhaust ventilation recommended

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Multi-colored granular mix, with slight odor
pH: Not available
MELTING POINT: Not available
BOILING POINT: Not applicable
FLASH POINT: Not flammable
EVAPORATION RATE: Not applicable
FLAMMABLE LIMITS: Not applicable
VAPOR PRESSURE: Not applicable
VAPOR DENSITY: Not applicable
SPECIFIC GRAVITY: Not applicable
SOLUBILITY (IN WATER): Partially soluble
PARTITION COEFFICIENT: Not applicable
AUTOIGNITION TEMP: Not applicable
DECOMPOSITION TEMP: Not applicable
ODOR THRESHOLD: Not available
VISCOSITY: Not applicable

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Product is stable
CONDITIONS TO AVOID: Excessive heat
INCOMPATIBILITY: Strong oxidizers, acids
HAZARDOUS DECOMPOSITION PRODUCTS: NO_x, CO_x, NH₃, SO_x

SECTION 11: TOXICOLOGICAL INFORMATION

HEALTH EFFECTS: May be irritating to the eyes, skin, respiratory tract, and digestive system. Ingestion may result in abdominal pain, vomiting, and diarrhea.
CARCINOGENICITY: None of the ingredients are known / listed carcinogens. However, product may contain trace amounts of crystalline silica, which is listed by IARC as a potential human carcinogen.

INGREDIENT TOXICITY RANGES:

ORAL: 6,600 mg/kg (sulfate of potash)
DERMAL: > 2,000 mg/kg (ammonium sulfate)
INHALATION: Not available

SECTION 12: ECOLOGICAL INFORMATION

This product is not known to be ecotoxic, persistent, or have the potential to bioaccumulate.

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of in accordance with all national, regional / state, and local regulations. Reuse recovered product where possible.

SECTION 14: TRANSPORT INFORMATION

This product is not regulated as a transportation hazard.

SECTION 15: REGULATORY INFORMATION

SARA SECTION 311 / 312: ACUTE HAZARD

SARA SECTION 313 COVERED INGREDIENTS: Ammonium sulfate

SECTION 16: OTHER INFORMATION

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

| | | |
|---------------|-----------------|---|
| HMIS RATINGS: | HEALTH | 1 |
| | FLAMMABILITY | 0 |
| | PHYSICAL HAZARD | 0 |

SDS ID NO: 467

PREPARED BY: TS

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