



**THE ANDERSONS  
SAFETY DATA SHEET**

DATE PREPARED: 03/12/20

CURRENT AS OF: 5/20/22

**SECTION 1: PRODUCT / SUPPLIER IDENTIFICATION**

PRODUCT CODE: 10005486

PRODUCT NAME: THE ANDERSONS 18+6+15 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 SERIOUS EYE IRRITATION.**

HAZARD CLASSIFICATIONS:

*EYE IRRITATION  
SKIN IRRITATION*

CATEGORY

2A  
2

INTERPRETATION

Causes serious 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*

**THE ANDERSONS 18+6+15 TURF FERTILIZER WITH MUTECH NITROGEN****SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS**

<u>CHEMICAL IDENTITY</u>	<u>SYNONYM</u>	<u>CAS NUMBER</u>	<u>CONCENTRATION (%)</u>
Ammonium Dihydrogen Phosphate	MAP	7722-76-1	10-20
Ureas	Mixed ureas	Mixture	40-50
Potassium Sulfate		7778-80-5	25-35
Iron Sulfate	Ferrous sulfate	7720-78-7	1-10

**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. 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.

<u>HAZARDOUS COMPONENT</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Ferrous Sulfate		1 mg/m <sup>3</sup> (TWA) 1 mg/m <sup>3</sup> (TWA) (NIOSH)
Manganese Compounds	5 mg/m <sup>3</sup> (Ceiling)	0.2mg/m <sup>3</sup> (TWA)

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:	~0.893
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

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## SECTION 11: TOXICOLOGICAL INFORMATION

HEALTH EFFECTS: Causes skin and serious eye irritation.

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

### INGREDIENT TOXICITY RANGES:

DERMAL: > 155 mg/kg (ferrous sulfate)

ORAL: > 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
SARA 313:	Zinc Compounds Copper Compounds Manganese Compounds
REPORTABLE QUANTITY:	Zinc Compounds (No RQ) Copper Compounds (No RQ) Manganese Compounds
RIGHT-TO-KNOW:	Zinc Compounds (CA, IL, MA, NJ, PA) Copper Compounds (CA, MA, MN, NJ, PA, RI) Manganese Compounds (CA, MA, MN, NJ, PA)

## 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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