



THE ANDERSONS  
SAFETY DATA SHEET

DATE PREPARED: 12/09/16

CURRENT AS OF: 5/20/22

SECTION 1: PRODUCT / SUPPLIER IDENTIFICATION

PRODUCT CODE: 10005012

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

MAY CAUSE SKIN AND EYE IRRITATION

HAZARD CLASSIFICATIONS:

(H320) EYE IRRITATION

(H315) SKIN IRRITATION

CATEGORY

2B

2

INTERPRETATION

Causes eye irritation

Causes skin irritation

PRECAUTIONARY STATEMENTS:

- (P280) WEAR PROTECTIVE GLOVES AND CLOTHING
- (P302+P352) IF ON SKIN: WASH WITH PLENTY OF WATER
- (P332+P313) IF SKIN IRRITATION OCCURS: GET MEDICAL ATTENTION
- (P362) REMOVE CONTAMINATED CLOTHING AND WASH BEFORE REUSE
- (P305+P351+P338) IF IN EYES: RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES IF PRESENT AND EASY TO DO – CONTINUE RINSING.
- (P337+P313) IF EYE IRRITATION PERSISTS: GET MEDICAL ATTENTION
- (P264) WASH THOROUGHLY AFTER HANDLING

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL IDENTITY	SYNONYM	CAS NUMBER	CONCENTRATION (%)
Potassium Sulfate	Sulfate of potash	7778-80-5	30-35
Methylene ureas		598-50-5	25-30
Urea		57-13-6	10-15
Monoammonium phosphate	MAP	7722-76-1	10-15

**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, seek medical attention if irritation persists.
IF SWALLOWED:	Rinse mouth. DO NOT INDUCE VOMITTING 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. Do not get in eyes or on skin. 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>
Potassium sulfate	15 mg/m <sup>3</sup> (total) 5 mg/m <sup>3</sup> (respirable)	10 mg/m <sup>3</sup> (inhalable) 3 mg/m <sup>3</sup> (respirable)
Monoammonium phosphate	15 mg/m <sup>3</sup> (total) 5 mg/m <sup>3</sup> (respirable)	10 mg/m <sup>3</sup> (inhalable) 3 mg/m <sup>3</sup> (respirable)

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 granules, with slight ammonia 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:	~0.8813
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, incompatible materials
INCOMPATIBILITY:	Strong acids, bases, oxidizers and soft metals
HAZARDOUS DECOMPOSITION PRODUCTS:	Toxic oxides, sulfides and ammonia

**SECTION 11: TOXICOLOGICAL INFORMATION**

HEALTH EFFECTS: May cause eye and skin irritation.

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

INGREDIENT TOXICITY RANGES:

ORAL: 5,750 mg/kg (Monoammonium phosphate)

DERMAL: > 5,000 mg/kg (Monoammonium phosphate)

INHALATION: None listed

**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**

WHMIS (CANADA): Not controlled under WHMIS (Canada)

SARA 311/312: Acute (Monoammonium phosphate)

**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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