



THE ANDERSONS
SAFETY DATA SHEET

DATE PREPARED: 12/09/16

CURRENT AS OF: 12/12/16

SECTION 1: PRODUCT / SUPPLIER IDENTIFICATION

PRODUCT CODE: APPC184M4

PRODUCT NAME: Andersons 18-6-15 Turf Fertilizer with Mutech Nitrogen

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 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

<u>CHEMICAL IDENTITY</u>	<u>SYNONYM</u>	<u>CAS NUMBER</u>	<u>CONCENTRATION (%)</u>
Ureas		Mixture	35-40
Potassium Sulfate	Sulfate of potash	7778-80-5	30-35
Diammonium Hydrogen Phosphate	DAP	7783-28-0	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 PROTECTIONEXPOSURE 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 ³ (total) 5 mg/m ³ (respirable)	10 mg/m ³ (inhalable) 3 mg/m ³ (respirable)
Diammonium phosphate	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 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.
<u>INGREDIENT TOXICITY RANGES:</u>	

ORAL:	5,750 mg/kg (ammonium dihydrogen phosphate)
DERMAL:	> 5,000 mg/kg (diammonium 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 (ammonium dihydrogen phosphate)

SECTION 16: OTHER INFORMATION

NFPA RATINGS:	HEALTH	1
	FLAMMABILITY	0
	INSTABILITY	0

HMIS RATINGS:	HEALTH	1
	FLAMMABILITY	0
	INSTABILITY	0

SDS NO: 298

PREPARED BY: DBA EHS Consulting

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