

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

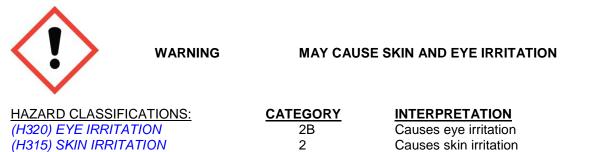
PRODUCT USE: Fertilizer

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:



PRECAUTIONARY STATEMENTS:

• (P280) WEAR PROTECTIVE GLOVES AND CLOTHING

- (P302+P352) IF ON SKIN: WASH WITH PLENTY OF WATER
- (P332+P313) IF SKIN IRRITATION OCCORS: 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	<u>SYNONYM</u>	CAS NUMBER	CONCENTRATION (%)
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

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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 MEA	SURES		
		in material and place in containers for use as intended, or discard ding to Federal, State and Local regulations.		
ENVIRONMENTAL PRECAUTIONS: Prevent spilled material from entering storm drains or water bodie material enters a waterway, notify the appropriate authorities.				
PROTECTIVE EQUIPMENT:	Wear	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.

HAZARDOUS COMPONENT	OSHA PEL	ACGIH TLV
Potassium sulfate	15 mg/m ³ (total)	10 mg/m ³ (inhalable)
	5 mg/m ³ (respirable)	3 mg/m ³ (respirable)
Diammonium phosphate	15 mg/m ³ (total) 5 mg/m ³ (respirable)	10 mg/m³ (inhalable) 3 mg/m³ (respirable)

APPC184M4

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 (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 FLAMMABILITY INSTABILITY	1 0 0
HMIS RATINGS:	HEALTH FLAMMABILITY INSTABILITY	1 0 0
SDS NO:	298	

PREPARED BY: DBA EHS Consulting

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