



**THE ANDERSONS
SAFETY DATA SHEET**

DATE PREPARED: 12/15/16

CURRENT AS OF: 12/19/16

SECTION 1: PRODUCT / SUPPLIER IDENTIFICATION

PRODUCT CODE: ASP181WM5.40

PRODUCT NAME: Nursery Products 18-6-12

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:



DANGER

**CAUSES SERIOUS EYE DAMAGE
MAY CAUSE SKIN IRRITATION
MAY CAUSE RESPIRATORY IRRITATION**

HAZARD CLASSIFICATIONS:

EYE DAMAGE

SKIN IRRITATION

SPECIFIC TARGET ORGAN TOXICITY

- *SINGLE EXPOSURE*

CATEGORY

1

2

3

INTERPRETATION

Causes eye damage

Causes skin irritation

Causes irritation to respiratory tract

PRECAUTIONARY STATEMENTS:

- *WEAR EYE AND FACE PROTECTION*
- *WEAR PROTECTIVE GLOVES AND CLOTHING*
- *REMOVE CONTAMINATED CLOTHING AND WASH BEFORE REUSE*
- *DO NOT BREATHE DUSTS*
- *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*
- *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> |
|-------------------------------|-------------------|-------------------|--------------------------|
| Ureas | Mixed ureas | Mixture | 45-50 |
| Sulfur Coated Potassium | 0-0-48 | Mixture | 10-15 |
| Potassium Sulfate | Sulfate of potash | 7778-80-5 | 10-15 |
| Limestone | Calcite | 1317-65-3 | 10-15 |
| Calcium Triple Superphosphate | | 65996-95-4 | 10-15 |
| Ammonium Polyphosphate | 5-28-0 | 68333-79-9 | 1-5 |

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

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| 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

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| 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

Avoid creating or accumulating dusts during processing and application. Wash hands after handling material. Do not eat, drink or smoke while handling the material. Do not breathe 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) |

PERSONAL PROTECTIVE EQUIPMENT / PROTECTION MEASURES / CONTROLS:

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|-------------------------|---|
| 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 granular mix, with slight 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: | ~.946 |
| 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, accumulation of dusts |
| INCOMPATIBILITY: | Strong acids, bases and oxidizers |
| HAZARDOUS DECOMPOSITION PRODUCTS: | Toxic oxides, sulfides and ammonia |

SECTION 11: TOXICOLOGICAL INFORMATION

HEALTH EFFECTS: Causes serious eye damage. Causes skin and respiratory irritation.

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

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 SECTION 311 / 312 HAZARD CATEGORY: ACUTE HAZARD

SECTION 16: OTHER INFORMATION

NFPA RATINGS: HEALTH 1
FLAMMABILITY 0
INSTABILITY 0

HMIS RATINGS: HEALTH 1
FLAMMABILITY 0
INSTABILITY 0

SDS NO: 490

PREPARED BY: DBA EHS Consulting

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