



**THE ANDERSONS
SAFETY DATA SHEET**

DATE PREPARED: 03/21/19

CURRENT AS OF: 4/3/19

SECTION 1: PRODUCT / SUPPLIER IDENTIFICATION

PRODUCT CODE: ASP7W4, ASP7W4.1, ASP7W4.1A

PRODUCT NAME: Innova ® 7-1-2

PRODUCT USE: Organic Fertilizer

DISTRIBUTED BY: 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 EYE IRRITATION.
MAY FORM COMBUSTIBLE DUST CONCENTRATIONS IN AIR.**

HAZARD CLASSIFICATIONS:

*EYE IRRITATION
COMBUSTIBLE DUST*

CATEGORY

2B

INTERPRETATION

Causes eye irritation
May form combustible dust concentrations in air.

PRECAUTIONARY STATEMENTS:

- *KEEP AWAY FROM HEAT, HOT SURFACE, SPARKS, OPEN FLAMES AND OTHER IGNITION SOURCES.*
- *TAKE PRECAUTIONARY MEASURES AGAINST STATIC DISCHARGE AND DUST ACCUMULATION*
- *AVOID BREATHING DUSTS*
- *USE ONLY OUTDOORS OR IN A WELL-VENTILATED AREA*
- *WEAR PROTECTIVE GLOVES AND CLOTHING*
- *REMOVE CONTAMINATED CLOTHING AND WASH BEFORE REUSE*
- *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 YOU FEEL UNWELL*
- *IF IN EYES OR ON SKIN: RINSE AREA WITH PLENTY OF WATER, REMOVE CONTACT LENSES*
- *IF EYE OR SKIN IRRITATION CONTINUES: SEEK MEDICAL ATTENTION*

HAZARDS NOT CLASSIFIED:

- *MAY FORM COMBUSTIBLE DUST CONCENTRATIONS IN AIR DURING PROCESSING*

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

| <u>CHEMICAL IDENTITY</u> | <u>SYNONYM</u> | <u>CAS NUMBER</u> | <u>CONCENTRATION (%)</u> |
|--------------------------|----------------|-------------------|--------------------------|
| Grains, plant proteins | | Not listed | 100 |

SECTION 4: FIRST AID MEASURES

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| IF INHALED: | Move to fresh air, keep comfortable, and seek medical attention if breathing becomes difficult or symptoms persist. |
| IF ON SKIN: | Wash affected areas with soap and water while removing and isolating all contaminated clothing. Seek medical attention if irritation persists or a rash appears. Wash contaminated clothing before re-use. |
| IF IN THE EYES: | Immediately flush with water for 15-20 minutes and seek medical attention. |
| 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

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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 fumes and oxides. |
| SPECIAL FIREFIGHTING PROCEDURES: | Wear full protective clothing and positive-pressure self-contained breathing apparatus (SCBA). Avoid generating dusts during fire suppression through the use of strong streams of fluid, chemical or gases as dust may become dispersed in air at combustible concentrations. |

SECTION 6: ACCIDENTAL RELEASE MEASURES

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| SPILL / RELEASE PROCEDURES: | Do not create dust. Eliminate all sources of ignition and keep unauthorized personnel away. Dust suppression should be achieved before, and maintained during, cleanup. Contain material and place in containers and 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: | Dust collection, handling, storage and waste equipment should be engineered and maintained to prevent the escape of dusts. Explosion relief vents are recommended for dust collection, handling, storage and waste equipment. Use only correctly classified electrical equipment. Wear PPE according to Section 8 |

SECTION 7: HANDLING AND STORAGE

Avoid creating or accumulating dusts during processing, handling, storing and application. Wash hands after handling material. Keep away from all sources of heat and ignition (sparks, flame, smoking). Good housekeeping practices should be maintained to remove dust accumulation from surfaces. Ensure all transfer and mixing equipment is bonded/grounded to eliminate static discharge. This material will burn if heated, and concentrations in air may become combustible and explode. Do not eat, drink or smoke while handling the material. Do not get in eyes or on skin. Do not breathe dusts. May form combustible dust during processing.

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> |
|-----------------------------------|-----------------------------------|-------------------------|
| Grain Dust | 10 mg/m3 (TWA) 15mg/m3 (total) | 4 mg/m3 (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 only outdoors or with adequate [explosion proof] ventilation |

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

| | |
|------------------------|------------------------|
| APPEARANCE AND ODOR: | Tan granules or powder |
| 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: | Not available |
| 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

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| STABILITY: | Product is stable. |
| CONDITIONS TO AVOID: | Accumulation of dusts, heat, sparks, ignition sources. |
| INCOMPATIBILITY: | Oxidizers and drying oils. |

HAZARDOUS DECOMPOSITION PRODUCTS: Toxic oxides and fumes. Natural decomposition of organic material will release hydrogen sulfide.

SECTION 11: TOXICOLOGICAL INFORMATION

HEALTH EFFECTS: Causes eye and respiratory irritation.

INGREDIENT TOXICITY RANGES: Not available

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. This product is not considered hazardous waste.

SECTION 14: TRANSPORT INFORMATION

This product is not regulated as a transportation hazard.

SECTION 15: REGULATORY INFORMATION

SARA 311/312: ACUTE

SECTION 16: OTHER INFORMATION

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|---------------|--------------|---|
| NFPA RATINGS: | HEALTH | 0 |
| | FLAMMABILITY | 1 |
| | INSTABILITY | 0 |

| | | |
|---------------|--------------|---|
| HMIS RATINGS: | HEALTH | 0 |
| | FLAMMABILITY | 1 |
| | INSTABILITY | 0 |

PREPARED BY: DBA EHS Consulting

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