

Material Safety Data Sheet

Date Reviewed and Issued: February 16, 2013

Section 1. Identification: Proven Winners North America, LLC

Product Names:

Proven Winners Premium Water Soluble Plant Food 24-12-17 + Minors

Manufacturer:

Sun Gro Horticulture Processing, Inc.
770 Silver Street
Agawam, MA 01001

Supplier:

Proven Winners North America, LLC
45 North First St., Suite B
Campbell, CA 95008

For more information: www.provenwinners.com

Product Uses: Fertilizer

Section 2. Hazardous Ingredient & Composition

Hazardous Ingredients

NA

Composition

Component	CAS#	Component	CAS#
Ammonium Phosphate	7722-76-1	Iron EDDHA	16455-61-1
Potassium Nitrate	7757-79-1	Manganese EDTA	15375-84-5
Urea	57-13-6	Sodium Molybdate	7631-95-0
Magnesium Sulfate	7487-88-9	Zinc EDTA	14025-21-9
Boric Acid	10043-53-3	Blue dye	3486-30-4
Copper EDTA	14025-15-1		

Section 3. Physical/Chemical Characteristics

Physical State: Solid

Appearance: Granular and powder

Color: Pale Blue

Odor: None

pH: Not applicable

Density: 45-75 lb/cf (720-1,200g/l)

Boiling Point: Not applicable

Vapor Pressure: Not applicable

Solubility in Water: 100%

Melting point: Not applicable

Evaporation rate: Not applicable

Specific gravity: Not applicable

Section 4. Hazard Identification

Emergency overview: when heated to decomposition this material may emit toxic gases of nitrous oxide and ammonia. Irritable to eyes, nose, or mouth.

Potential health effects:

- Inhalation:** Inhalation of fumes may cause irritation to mucous membranes.
- Eye contact:** Contact with eyes may cause irritation.
- Skin Contact:** May cause irritation in susceptible persons.
- Ingestion:** May be harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea, and diarrhea.
- Medical Conditions aggravated by Exposure:** Inhalation of dust may aggravate asthma in susceptible individuals. Prolonged skin contact may cause mild skin irritation.

Section 5. First Aid

- Inhalation:** Move to fresh air. If person is not breathing, give artificial respiration. If needed, seek medical attention.
- Eye contact:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present after the first 5 minutes, then continue rinsing eye. Seek medical attention if irritation persists.
- Skin Contact:** Take off contaminated clothing. Wash affected areas thoroughly with soap and water.
- Ingestion:** If person is alert, have person sip a glass of water and induce vomiting. Do not give anything by mouth to an unconscious person. If needed, seek medical attention.

Section 6. Fire Fighting Measures

- Flashpoint and Method:** Decomposes on heating
- Extinguishing Media:** Dry chemical, water fog, foam, CO₂
- Explosion Hazard:** High airborne dust concentrations have the potential for explosion.
- Fire Fighting Procedures:** Evacuate area. Flood with water to cool containers.
- Fire Fighting Equipment:** Wear self-contained breathing apparatus to fight large fires.
- Hazardous Decomposition Products:** In fire, toxic metal oxides may be produced.
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Section 7. Accidental Release

Sweep up spills. Use good housekeeping practices. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling. Avoid dusting or misting conditions during cleanup. If material is uncontaminated, collect and reuse as recommended for product. If contaminated, put in appropriate container and dispose. Keep spills away from drinking water supplies. After cleaning up spill, flush area with water.

Section 8. Handling and Storage

- Handling:** See label. Wash hands with soap and water after handling product
- Storage:** Store in a cool, dry area away from incompatible materials and heat sources. Store away from feed and foodstuffs, as well as household cleaning products.
- Containers:** Avoid container breakage; keep away from sparks, flames and excessive heat.
- Carcinogenicity:** None known
- Effects of Exposure:** Avoid inhalation or contact with skin, eyes, or clothing.
- Ecological Information:** Keep out of lakes, streams or ponds.
- Other Concerns:** Keep out of reach of children and pets.
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Section 9. Exposure Controls and Personal Protection

- Engineering Controls:** Ventilation and personal protection are recommended whenever dust levels are high or product does not remain intact. Running water should be available in case material gets in eyes.
- Respiratory Protection:** If airborne dust levels are high or product does not remain intact, use a combination of engineering controls, such as ventilation, and personal protection, such as an approved respirator, to reduce exposures to acceptable levels.
- Eyes and Face Protection:** None required for product use. High airborne dust levels may be irritating and use of chemical goggles is suggested.
- Skin:** None required for normal use. If prolonged or repeated use irritates skin, use neoprene or PVC gloves.
- Other Protective Clothing or Equipment:** Normal work clothing
- Work/Hygienic Practices:** Open wounds should be kept clean and suitably protected.
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Section 10. Stability and Reactivity

Chemical Stability:	Stable
Hazardous polymerization:	No
Conditions to Avoid:	High heating
Hazardous Decomposition Products:	Nitrous oxides, ammonia and toxic metal oxides may be produced
Incompatible Materials:	Strong Alkaline agents.

Section 11. Toxicological Information

Acute and Chronic Toxicity:	No data
Carcinogenicity, Teratogenicity, Mutagenicity, Reproductive Effects:	None known
General Comments	Possible nausea, vomiting, diarrhea, skin or eye irritation. Inhalation of heavy concentrations of manganese-containing dusts over very prolonged periods of exposure (1-3 years) has been reported to cause damage to the central nervous system. Inhalation of dust may aggravate asthma. Eye contact with product may cause irritation, flush eyes with water as soon as possible.

Section 12. Ecological Information

Persistence and Degradability:	Fertilizer granules are soluble in water and biodegradable.
Aquatic Toxicity:	Large amounts of product released to water systems will be harmful to aquatic plant and animal life.

Section 13. Disposal Consideration

Disposal must be in accordance with Federal, State, and Local regulations. Uncontaminated product may be reused as fertilizer.

Section 14. Transport Information

Department of Transportation (DOT): Not DOT regulated.

Section 15. Regulatory Information

Contact local authorities for proper disposal of large quantities of unused product.

Section 16. Other Information

NFPA Codes: Health: 2, Fire: 0, Reactivity: 0.

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