

IDENTITY: Water Soluble Fertilizer

Section I – Manufacturer Information

Sierra-Sierra Horticultural Products Company
The Scotts Company
14111 Scottslawn Road
Marysville, OH 43041

Telephone Number for Information:
(937) 644-0011
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EMERGENCY NUMBER: (800) 424-9300 (Chemtrec)

Section II – Hazard Ingredients/Identity Information

<u>CHEMICAL NAME</u>	<u>CAS Number</u>	<u>OSHA (PEL)</u>	<u>ACGIH (TLV)</u>
Potassium Chloride	7447-40-7	None	None
Monoammonium Phosphate	7722-76-1	None	None
Magnesium Sulfate	0034-99-8	None	None
Baric Acid	0043-35-3	None	None
Copper EDTA	4025-15-1	None	None
Iron EDTA	5708-41-5	None	None
Manganese EDTA	5375-84-5	None	None
Sodium Molybdate	7631-95-0	5 mg(Mo)/m ³	5 mg(Mo)/m ³
Zinc EDTA	4025-21-9	None	None

Section III – Physical/Chemical Characteristics

Boiling Point: Decomposes on heating
Vapor Pressure: Not known
Vapor Density:

Specific Gravity: 45.1 – 47.2 lbs/ft³
Melting Point:
Evaporation Rate: N/A

Solubility in Water: 3.5 lbs./gal

Appearance and Odor: Aqua-blue powder/slight yeasty odor

Section IV – Fire and Explosion Hazard Data

Flash Point (Method Used): Decomposes on heating
LEL:

Flammable Limits: N/A
UEL:

Extinguishing Media: Water spray

Special Fire Fighting Procedures: Evacuate area. Flood with water to cool containers. Apply water from a safe distance to avoid splattering of molten material. Wear self-contained breathing apparatus to fight large fires.

Unusual Fire and Explosion Hazards: This product is comprised of materials, which are oxidizers in their pure, unmixed forms. It will not burn but can provide oxygen for existing fires and cause combustible materials to ignite explosively. Material decomposes on heating to emit ammonia and toxic oxides of nitrogen, sulfur, phosphorous, chlorine, and potassium.

Section V – Reactivity Data

Stable or Unstable? Stable

Conditions to Avoid:

Incompatibility (Materials to Avoid): Monoammonium phosphate is incompatible with sodium hypochlorite.

Hazardous Decomposition or Byproducts: Oxides of nitrogen, potassium, phosphorous, chlorine, sulfur and ammonia.

Hazardous Polymerization May Occur or Will Not Occur? Will Not Occur

Conditions to Avoid: Extreme heat. Contact with fuels and other organic or combustible materials. Active metals such as aluminum and magnesium. Strong alkalies, oxidizing and reducing agents. Chlorine compounds.

Section VI – Health Hazard Data

Routes of Entry

Inhalation: Yes

Skin: Yes

Ingestion: Yes

Eye: Yes

Carcinogenicity:

NTP: No

IARC Monographs: No

OSHA Regulated: No

Health Hazards: Prolonged or repeated direct contact with fertilizer may irritate eyes and skin. Inhalation of dust may irritate nose, throat, and lungs.

Signs and Symptoms of Exposure: Prolonged exposure may cause weakness, depression, headache, mental impairment, anemia, methemoglobinemia, and kidney injury. Human systemic effects by ingestion: nausea, blood clotting changes, cardiac arrhythmias.

Medical Conditions Generally Aggravated by Exposure: Skin abrasions and sores. Inhalation of dust may aggravate asthma.

Emergency and First Aid Procedure:

Inhalation – Move to fresh air. Treat symptomatically.

Ingestion – Never give anything by mouth to an unconscious or convulsing person. Have conscious person drink 1 to 2 glasses of water, then induce vomiting until vomit is clear. Call physician.

Skin – Wash with plenty of soap and water

Eyes – Flush eyes with water for 15 minutes holding eyelids open. Get medical attention if irritation persists.

Section VII – Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled: 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.

Waste Disposal Method: Apply as fertilizer to field. If product is contaminated, dispose of in an approved landfill disposal facility in accordance with federal, state and local regulations.

Precautions to be Taken in Handling and Storing: Store in a cool, dry area away from incompatible materials and heat sources. Store away from feed and foodstuff, as well as household cleaning products. If contaminated put in appropriate container and dispose. Keep out of reach of children.

Other Precautions:

Section VIII – Control Measures

Respiratory Protection: If airborne dust levels are high or product does not remain intact, use NIOSH/MSHA approved respirator for dusts, mists and fumes to reduce exposures to acceptable levels.

Ventilation - Recommended

Local Exhaust:

Mechanical:

Special:

Other:

Protective Gloves: None required for normal use. If prolonged or repeated use irritates skin, use neoprene or PVC gloves.

Eye Protection: None required for routine use as fertilizer. High airborne dust levels or mists of product dissolved in liquid may be irritating; use chemical goggles.

Other Protective Clothing or Equipment:

Work/Hygiene Practices: Running water should be available in case material gets in eyes.

Section IX – Additional Information

The information provided in this Material Safety Data Sheet represents data from the manufacturer and/or vendor and is accurate to the best of our knowledge. By providing this information, Delta Education LLC makes no guarantee or warranty, expressed or implied, concerning the safe use, storage, handling, precautions, and/or disposal of the products covered or the accuracy of the information contained in this fact sheet. It is the responsibility of the user to comply with local, state, and federal laws and regulations

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