



Safety Data Sheet Rev. 5/2015

SECTION 1: Identification

Selected Fertilizers including: Ammonium Polyphosphate Solution(APP) 6-21-0

Product Use: Agricultural Fertilizer, Industrial

Restrictions: None Known

Chemical Description: Mixture

Manufactured By: Twin State Inc.
3541 E. Kimberly Rd
Davenport, IA 52807
(563) 359-3624

Emergency Contact: CHEMTREC (800) 424-9300 CHEMTREC International (703) 527-3887

SECTION 2: Hazards Identification

Physical Hazard: Not Classified

Health Hazard: Not Classified

OSHA Defined Hazard: Not Classified

Signal Word: None

Hazard Statement: No known significant effect or critical hazards.

Pictograms:



Precautionary Statement(s):

Prevention: Observe good industrial hygiene practices.

Response: Wash Hands.

Storage: Store away from incompatible materials.

Disposal: Dispose of waste and residues in accordance with local authority requirements.

SECTION 3: Composition/Information on Ingredients

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Percent</u>
Ammonium Polyphosphate	68333-79-9	30-60
Water	7732-18-5	38-50
Phosphoric Acid	7664-38-2	0-20
Poly Phosphoric	8017-16-1	0-15

*All concentrations are in percent by weight. Safety Data Sheet is not a guarantee of product specification or N-P-K-S values.

SECTION 4: First Aid Measures

Eye Contact: Flush immediately with water. If wearing contacts remove. Flush with water for 15 minute. Seek medical attention if irritation persists.

Skin Contact: Wash with soap and water. Remove contaminated clothing and wash before reuse. See physician if skin becomes irritated.

Inhalation: Move to fresh air. Call physician if symptoms develop. If not breathing, give artificial respiration and seek medical attention. Under normal conditions product is not considered an inhalation hazard.

Ingestion: If a large amount is ingested, give a large amount of water, two or more glasses, and induce vomiting. Seek medical attention. If a small amount is ingested rinse mouth with water.

SECTION 5: Fire-Fighting Measures

Special Notice: This product is used commercially as a fire retardant. The product is considered non-flammable. Use a fire-fighting method suitable to extinguish the source of the fire.

Special Fire-Fighting Procedures: Use fire-fighting procedures according to the type of fire.

Specific Hazards Arising From the Chemical: Heating may cause ammonia vapor to release.

Protective Equipment and/or Precautions for Firefighters: Use self-contained breathing apparatus. Use water spray to keep containers cool.

SECTION 6: Accidental Release Measures

Personal Precautions, Protective Equipment, and Emergency Procedures: Avoid contact with skin and eyes. Avoid inhalation of vapors. Ensure adequate ventilation. Wear personal protection equipment. *See section 8 of Safety Data Sheet regarding PPE.

Methods and Materials for Containment and Cleanup:

Small Spills: Wipe up with absorbent material (cloth). Clean thoroughly with wet cloth and water to remove contamination.

Large Spills: Stop flow of material if possible, without risk. Dike spilled material to contain spill. Recover spilled material and put in separate container. If on hard surface, such as cement, rinse with water to clean surface of contaminates. Collect rinse water in container. Use the same process on soft surface, such as rock or soil. When all material is picked up take top layer of rock or dirt, approximately 4 to 6 inches. This material may be land applied according to label.

Environmental Precautions: Do not contaminate water or allow contaminates to enter drains, sewers, or water courses.

SECTION 7: Handling and Storage

Conditions for Safe Storage: Store indoors in a cool, dry, and well ventilated place. Be sure to keep container tightly close.

Outside Storage and Transfer Equipment: Pipes, pumps, and outside storage tanks. Suitable materials are steel, stainless steel, plastic, and fiberglass. Use light color tanks and pipe. Outside storage should be contained according to local, state, and federal regulations. Aluminum tank, pipes, and fittings are not recommended because of possible pitting.

SECTION 8: Exposure Controls/Personal Protection

Component Exposure Limits: No exposure limits are established for chemical compounds that make up this product.

Engineering Controls: Not normally required.

Personal Protective Equipment (PPE):

Eyes: Chemical goggles or shielded safety glasses.

Skin: Wear long sleeve shirt, rubber gloves, pants, and boots to prevent skin contact.

Respiratory: Not normally required. If vapors or dust exceed acceptable level wear a MSHA/NIOSH approved mask.

OSHA Permissible Exposure Limits (PEL): Not established.

American Conference of Government Industrial Hygienists Threshold Limit Values (ACGIH TLV): Not established.

SECTION 9: Physical and Chemical Properties

Appearance	Dark to lite green
Odor	None – Slight ammonia odor
Odor Threshold	17 ppm
pH	5.9 to 6.2
Melting/Freezing Point	15
Boiling Point/Range	Not established
Flash Point	Not flammable
Evaporation Rate	Not established
Flammability	Not established
Upper/Lower Flammability Limits	Not established
Vapor Pressure	Not established
Vapor Density	Not established
Specific Gravity	1.214 to 1.218
Solubility	Soluble in water

Partition Coefficient	Not established
Auto-ignition Temperature	Not established
Decomposition Temperature	Not established
Viscosity	Not established

SECTION 10: Stability and Reactivity

Reactivity: This product is stable and not reactive under normal conditions, during storage, and transport.

Chemical Stability: Stable

Conditions to Avoid: Heat and extreme temperature.

Incompatible Materials: Reactive metals such as zinc, copper, and aluminum.

Hazardous Decomposition: If heated, product may release gases of ammonia.

Hazardous Polymerizations: Will not occur.

SECTION 11: Toxicological Information

Eye: Slight irritation, also may cause redness or burning.

Skin: Slight irritation, also may cause redness from prolonged exposure.

Ingestion: Mild irritant also may cause nausea, vomiting, and diarrhea.

Inhalation: Mild irritant.

Carcinogenicity: This product is not considered to be a carcinogen by National Toxicology Program (NTP), International Agency for Research on Cancer (IARC), and OSHA.

SECTION 12: Ecological Information

Ecological Information: This product is not classified as environmentally hazardous.

Persistence & Degradability: This product will promote algae growth which may degrade water quality.

Bioaccumulative Potential: Not established.

Mobility in Soil: This product is water soluble and may disperse in soil.

SECTION 13: Disposal Considerations

Waste/Disposal Methods: Rinse tank, plumbing, and container with water to be applied according to land application rates. Do not allow water to drain into sewers and/or water supplies. Dispose of container in accordance with local, state, and federal regulations.

*See section 8 Exposure Controls/Personal Protection.

SECTION 14: Transport Information

US DOT Information: Not regulated by the U.S. Department of Transportation.

SECTION 15: Regulatory Information

U.S. Federal Regulations: Not regulated.

State Regulations: Not Regulated

Code	Health	Flammable	Instability/Reactive
NFPA	1	0	0

SECTION 16: Other Information

Revision Date: May 2015

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety, and environmental requirements only. Therefore, it should not be construed as a guarantee of any specific property of the product.

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