



Safety Data Sheet Rev. 5/2015

SECTION 1: Identification

Selected Fertilizers including: 2-6-12, 4-10-10, 6-18-6, & 7-21-7

Product Use: Agricultural Fertilizer

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 after handling.

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>
Potassium Chloride	7447-40-7	9 - 19
Ammonium Polyphosphate	68333-79-9	17 - 62
Water	7732-18-5	24 - 63
UAN	15978-77-5	0 – 3.5
Ammonia	7664-41-7	0 – 1.3
Urea	57-13-6	0 – 2.3

*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 this product is not considered an inhalation hazard.

Ingestion: If small amount is ingested, rinse mouth with water. If large amount is ingested, seek medical attention. Do NOT induce vomiting unless directed to by medical personnel. Do NOT give anything by mouth to an unconscious person.

General Information: Make sure medical personnel are aware of material(s) involved, and take precaution to protect themselves.

SECTION 5: Fire-Fighting Measures

Suitable Extinguishing Media: The product is a non-flammable substance. Use fire-fighting procedures according to the type of fire.

Unsuitable Extinguishing Media: Do not use water jet.

Specific Hazards Arising From the Chemical: If this product is involved, heat may cause the release of ammonia vapors. Do not let product or fire-fighting water enter drains, sewers, or water courses.

Protective Equipment and/or Precautions for Firefighters: Use full protective suit and self-contained breathing apparatus.

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

Precaution for Safe Handling: Avoid inhalation of vapor and/or spray. Also avoid contact with skin and eyes. Ensure adequate ventilation. Wear suitable protective clothing.

*For personal protection see section 8 of the safety data sheet.

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.

SECTION 8: Exposure Controls/Personal Protection

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

Biological Limit Values: No biological limits noted for the ingredients.

Exposure Guidelines: Follow standard monitoring guidelines.

Engineering Controls: Provide eye wash station.

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	Light to Dark green clear liquid
Odor	None – Slight ammonia odor
Odor Threshold	Not established
pH	6.4 - 7

Melting/Freezing Point	Not established
Boiling Point/Range	Not established
Flash Point	Not established
Evaporation Rate	Not established
Flammability	Not established
Upper/Lower Flammability Limits	Not established
Vapor Pressure	Not established
Vapor Density	Not established
Specific Gravity	1.209 – 1.312
Solubility	Completely
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: This product is stable under normal conditions.

Conditions to Avoid: High temperatures.

Incompatible Materials: Strong acids, copper, brass, and aluminum.

Hazardous Decomposition: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Hazardous Polymerizations: No data available.

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: Not established.

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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