

Material Safety Data Sheet

0-20-20

Issue Date: 09/04

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SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

**CHEMICAL PRODUCT**

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Common Name: P-K-S mixed liquids  
 Chemical Description: Phosphorus, potassium, sulfur mixed fertilizer solution  
 Chemical Family: Inorganic  
 Formula: Fertilizer Complex

**MANUFACTURED FOR**

Fertilizer Company of Arizona, Inc.  
 2850 South Peart Road  
 Casa Grande, Arizona 85222

**Emergency Phone Numbers**

Emergency Telephone: 520.836.7477  
 CHEMTREC (24-hour Emergency Number): 800.424.9300  
 EPA National Response Center: 800.424.8802

SECTION 2. INGREDIENTS & HAZARDS

<u>INGREDIENTS</u>	<u>%</u>
Total Phosphorous as P <sub>2</sub> O <sub>5</sub>	20
Total Potassium as K <sub>2</sub> O	20
Total Sulfur as S	0-1

<u>HAZARDOUS CHEMICAL</u>	<u>CAS NO.</u>	<u>%</u>	<u>TLV OR PEL</u>	<u>RO (lbs.)</u>
None				

SECTION 3. EMERGENCY/HAZARDS OVERVIEW

Not D.O.T. regulated.

HEALTH: 0      REACTIVITY: 0      FLAMMABILITY: 0      ENVIRONMENT: 0  
 (0=Insignificant      1=Slight      2=Moderate      3=High      4=Extreme)

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SECTION 4. FIRST AID

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Eyes: Immediately flush eyes with large quantities of water for at least 15 minutes, occasionally lifting the lower and upper lids.

Skin: Immediately wash skin with plenty of water while removing contaminated clothing and shoes. If irritation persists, seek medical attention.

Ingestion: Call a physician or Poison Control Center. Drink 1 or 2 glasses of water. If so advised by a physician or Poison Control Center, induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.

Inhalation: Generally not considered an inhalation hazard. Remove victim to fresh air. If breathing is difficult, give oxygen and call a physician

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SECTION 5. FIRE AND EXPLOSION HAZARDS

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Flash Point: Not available

Test Method: Not available

LEL Flammable Limits: Not available

UEL Flammable Limits: Not available

Autoignition Temperature: Not available

Flammability Classification: Non flammable

Known Hazardous Products of Combustion: None

Properties that Initiate/Contribute to Intensity of Fire: None

Potential for Dust Explosion: None

Reactions that Release Flammable Gases or Vapors: Not known

Potential for Release of Flammable Vapors: None

Unusual Fire & Explosion Hazards: Not known

Extinguishing Media: Foam, CO<sub>2</sub>, dry chemical, water

Special Firefighting Procedures: None

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SECTION 6. SPILLS AND LEAKS

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Containment: Prevent product spillage from entering drinking water supplies or streams.

Clean Up: Since P-K-S is a fertilizer, it may promote eutrophication in waterways. In the case of a spill, contain spill and maximize recovery. Mop up or pump up promptly in metal or plastic containers. Absorb with an inert material such as sand, soil or vermiculite; sweep up and dispose in accordance with federal, state, and local regulations.

Evacuation: Not necessary

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SECTION 7. STORAGE AND HANDLING

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Storage: Store in suitable fiberglass, plastic, mild or stainless steel container in a cool, well ventilated, dry place at temperatures above 40° F. Avoid containers, piping, or fittings made of aluminum, copper-containing alloys or galvanized metal. Do not store near food or feeds. Do not stack pallets more than two (2) high.

Transfer Equipment: Transfer product using chemical-resistant plastic or stainless steel tanks, pumps, valves, etc.

Work/Hygienic Practices: Harmful if swallowed. May cause irritation of eyes, nose, throat and skin. Avoid contact with eyes, skin and clothing. Avoid breathing spray mist. Wash thoroughly after handling. Remove contaminated clothing and wash thoroughly before reuse. Do not contaminate feed and foodstuffs.

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SECTION 8. PERSONAL PROTECTIVE EQUIPMENT

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Eyes: Chemical dust/splash goggles or full-face shield to prevent eye contact is recommended. As a general rule, do not wear contact lenses when handling.

Skin: Impervious gloves and clothes only if allergic. Gloves should be solvent resistant rubber or plastic. Wear a neoprene protective type apron when handling concentrate.

Respiratory: Not normally needed. If use generates an aerosol mist or respiratory irritation, use NIOSH-approved dust/mist respirator (such as 3M #8710). Do not use single-use.

Ventilation: Recommended but no TLV established.

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SECTION 9. PHYSICAL AND CHEMICAL DATA

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Appearance:	Clear liquid
Odor:	No apparent odor and/or ammonia
pH:	7.0 – 8.0
Specific Gravity (H <sub>2</sub> O = 1)	1.39 – 1.438
Vapor Pressure:	Not available
Vapor Density (Air=1):	Not available
Boiling Point:	> 200°
Freezing Point:	Not available
Water Solubility:	Complete
Density:	12 lbs./gal.
Evaporation Rate:	Not available
Viscosity:	Not available
% Volatile:	Not available
Octanol/Water Partition Coefficient:	Not available
Saturated Vapor Concentration:	Not available

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SECTION 10. STABILITY AND REACTIVITY

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Stability:	Stable under normal conditions.
Incompatibility:	Keep away from water-reactive materials.
Hazardous Decomposition Products:	None
Hazardous Polymerization:	Will not occur

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SECTION 11. ECOLOGICAL INFORMATION

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Algal/Lemna Growth Inhibition:	Not known
Toxicity to Fish and Invertebrates:	Not known
Toxicity to Plants:	Not known
Toxicity in Birds:	Not known

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SECTION 12. DISPOSAL

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Do not contaminate lakes, streams, ponds, estuaries, oceans or other waters by discharge of waste effluents or equipment washwaters. Dispose of waste effluents in accordance with state and local regulations. Also, chemical additions or other alterations of this product may invalidate any disposal information in this MSDS. Therefore, consult local waste regulators for proper disposal.

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SECTION 13. TRANSPORTATION

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D.O.T. Proper Shipping Description:	Not D.O.T. Regulated
Other Shipping Information:	

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SECTION 14. REGULATORY INFORMATION

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CERCLA:	None
SARA TITLE III, Section 313 Toxic Chemicals:	None

All information appearing in this document was based on data provided by third party sources and was compiled to comply with the Federal Hazard Communication Standard and the California Hazardous Substances Information and Training Act. The information is believed to be accurate as of the preparation date, but is not warranted as being the final authority in the use of this product. This information does not purport to be legal or medical advice.