



# TECHNICAL SHEET

## K-Vite® POTASSIUM THIOSULFATE SOLUTION

### Guaranteed Analysis:

	%
Soluble Potash (K <sub>2</sub> O) .....	25.00
Total Sulfur (S) .....	17.00
Derived from Potassium Thiosulfate	

### Identification

Name of Product: Potassium Thiosulfate, Aqueous Solution  
Synonyms: Thiosulfuric Acid, potassium salt  
Formula: K<sub>2</sub>S<sub>2</sub>O<sub>3</sub>  
Molecular Weight: 190  
C.A.S. No: 10294-66-3

### Typical Analysis:

Appearance and odor: Clear to pale yellow liquid, slight sulfur odor.	
pH @ 1% solution: .....	7-9
Specific Gravity @ 60°F .....	1.45-1.48
Density @ 60°F, lb/gallon: .....	12.20-12.5
Potassium as K <sub>2</sub> O, % by wt.: .....	25 minimum
Sulfur as S, % by wt.: .....	17 minimum
Iron as Fe, ppm: .....	10 max
Heavy Metals as Pb, ppm: .....	Less than 10

### Construction of Storage & Transfer Equipment:

1. Mild Steel, stainless Steel, aluminum and certain fiberglass materials are suitable. Cooper and alloys containing copper (brass) should not be used.

### Compatibility

1. Compatible with ammonium phosphate Solutions such as 11-37-0, 10-34-0, etc.
2. Compatible with potash Solutions and combinations of potash and ammonium phosphate.
3. Solutions, including Potassium thio-sulfate.
4. Compatible with Ammonium thio sulfate.

### USES

1. Fertilizer
2. Photographic

### Storage and handling

1. Store in a cool dry place. Keep container tightly closed.
2. Do not add water or any other material to the container.
3. Do not contaminate water, food or feed by storage or disposal. Do not store near acid or other acidic foods or other acidic materials.
4. Store above 32°. Do not allow to freeze.

### Safety:

Not generally considered toxic.  
Avoid contact with eyes and skin. In case of contact, thoroughly flush eyes and skin with water.

