



DIMMITT SULFUR PRODUCTS

DIMMITT SULFUR PRODUCTS, LTD.

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TECHNICAL BULLETIN POTASSIUM THIOSULFATE, SOLUTION

IDENTIFICATION

Name of product:	Potassium Thiosulfate, Aqueous Solution
Synonyms:	Thiosulfuric Acid, potassium salt
Formula:	$K_2S_2O_3$
Molecular Weight:	190
C.A.S. No.:	10294-66-3

SHIPPING INFORMATION

DOT ID No.:	Not Applicable
DOT Classification:	Not Applicable
Packing Group:	Not Applicable
Shipping Name:	Potassium Thiosulfate, Solution
Containers:	tank car, tank truck and drums

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, lbs/gallon:	12.20 – 12.5
Potassium as K_2O , % 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 max

MARKETS AND USES

Fertilizer
Photographic

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