

Phosphates

	Formula	Formula weight	% P ₂ O ₅	pH (1% aq.)	Bulk density lbs. / cu. ft.	Solubility, 25° C g / 100g H ₂ O	Sequestration g CaCO ₃ / 100g
Sodium phosphates							
Trisodium phosphate, cry.	Na ₃ PO ₄ • 12H ₂ O • 1/4 NaOH	390.1	18.7	12.0	54.5	50.0	0.00
Tetrasodium pyrophosphate	Na ₄ P ₂ O ₇	265.9	53.4	10.3	62.0	8.0	4.18
Sodium tripolyphosphate	Na ₅ P ₃ O ₁₀	367.9	57.5	9.5	35.0 / 47.0	13.0	13.68
Sodium Hexametaphosphate	(NaPO ₃) ₆	1387.0	67.5	7.0	76.0	> 150.0	27.05
Disodium phosphate	Na ₂ HPO ₄	141.9	50.0	9.0	54.0	11.0	0.00
Trisodium phosphate, anh.	Na ₃ PO ₄	164.0	43.3	11.9	50.0	14.5	0.00
Trisodium phosphate, chlor.	Na ₃ PO ₄ • 11H ₂ O • 1/4 NaOCl	380.6	18.4	11.9	48.0	18.0	0.00
Sodium acid pyrophosphate	Na ₂ H ₂ P ₂ O ₇	221.9	64.0	4.5	68.0	12.5	0.00
Monosodium phosphate	NaH ₂ PO ₄	120.0	59.2	4.6	74.0	87.0	0.00
Sodium tripolyphosphate, hex.	Na ₅ P ₃ O ₁₀ • 6H ₂ O	476.0	46.8	9.7	47.0	19.0	11.16
Potassium phosphates							
Tetrapotassium pyrophosphate	K ₄ P ₂ O ₇	330.4	43.0	10.5	75.0	187.0	3.45
Monopotassium phosphate	KH ₂ PO ₄	136.1	52.2	4.5	78.0	25.0	0.00
Dipotassium phosphate	K ₂ HPO ₄	174.2	40.7	9.2	68.0	170.0	0.00
Tripotassium phosphate	K ₃ PO ₄	212.3	33.4	11.9	60.0	107.0	0.00
TKPP 60% solution	K ₄ P ₂ O ₇ (60% aq.)	330.4	25.8	10.3	109.0	ffi	2.07
Potassium tripolyphosphate	K ₅ P ₃ O ₁₀	448.4	46.9	9.8	59.0	193.0	26.50