



Mid South Chemical Company, Inc. | 1-800-264-6055

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### Blended Phosphates

#### Ortho-polyphosphate: Corrosion/Scale Protection

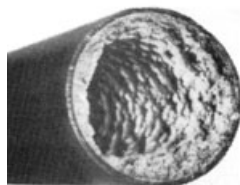


Ortho-polyphosphates are used as corrosion and scale inhibitors in potable water systems. Similar to zinc-orthophosphate, this product formulation combines an anodic and cathodic inhibition package for multipurpose protection in the system.

Ortho-polyphosphates are typically used in moderate to hard waters for sequestration of calcium carbonate, iron, and manganese. This treatment mechanism can provide corrosion protection to the system as well. Mid South's ortho-polyphosphate blends remove colored water and prevent the formation of deposits where tuberculation and deposits already exist. Feeding ortho-polyphosphates will slowly remove these deposits while improving system flow and reducing energy cost.



No previous treatment.



Treated with competitor's phosphate product.



Treated with Mid South blended phosphates.

### Mid South Chemical's Blended Phosphates:

	MCT 4115	MCT 501	MCT 501C	MCT 5015	MCT 504
Appearance	Clear liquid	Clear liquid	Clear liquid	Clear liquid	Clear liquid
Ortho/poly ratio	50/50	50/50	50/50	30/70	70/30
Specific gravity	1.31	1.35	1.45	1.362	1.40
pH (neat)	> 3.0	> 4.0	> 6.4	> 4.5	> 5.0
Freeze point	< 20°F	< 22°F	< 24°F	< 20°F	< 23°F
Bulk density	10.92 lbs/gallon	11.3 lbs/gallon	12.1 lbs/gallon	11.4 lbs/gallon	11.8 lbs/gallon
Solubility	Complete	Complete	Complete	Complete	Complete
NSF max. feed	34 mg/L	24 mg/L	27 mg/L	23 mg/L	28 mg/L

Note: All Mid South ortho-polyphosphate blends are certified to ANSI/NSF Standard 60