

Carbospense™ K-765 Sodium Polymethacrylate

Carbospense K-765 polymethacrylate is a sodium salt of a low molecular weight water soluble methacrylic acid polymer supplied as a water white to amber, slightly hazy, 30% total solids solution in water.

Carbospense K-765 polymethacrylate is a high performance polyelectrolyte with multi-functional properties including sequestration, dispersion, scale inhibition, crystal growth distortion, binding, and plasticizing.

The typical properties for Carbospense K-765 polymethacrylate are as follows:

Form	Water solution
Appearance	Water white to amber, slightly hazy
Total solids (%)	30 (29 to 31)*
Active solids (%)	24.3
Molecular weight** (GPC M _w)	30,000
pH	7.0 (6.5 to 7.5)*
Viscosity (cP at 25°C)	225 (125 to 325)*
Specific gravity	1.25
CAS number	156559-16-9

* Specification.

** Expressed as polyacrylic acid as determined by an aqueous GPC method.

Carbospense K-765 polymethacrylate meets the requirements of FDA Regulation (21CFR) 173.310 pertaining to boiler water treatment additives. In addition, the U.S. Department of Agriculture (USDA) has found Carbospense K-765 polymethacrylate to be chemically acceptable as an ingredient in boiler water treatment formulations for use in federally inspected meat and poultry processing establishments.

(Over)

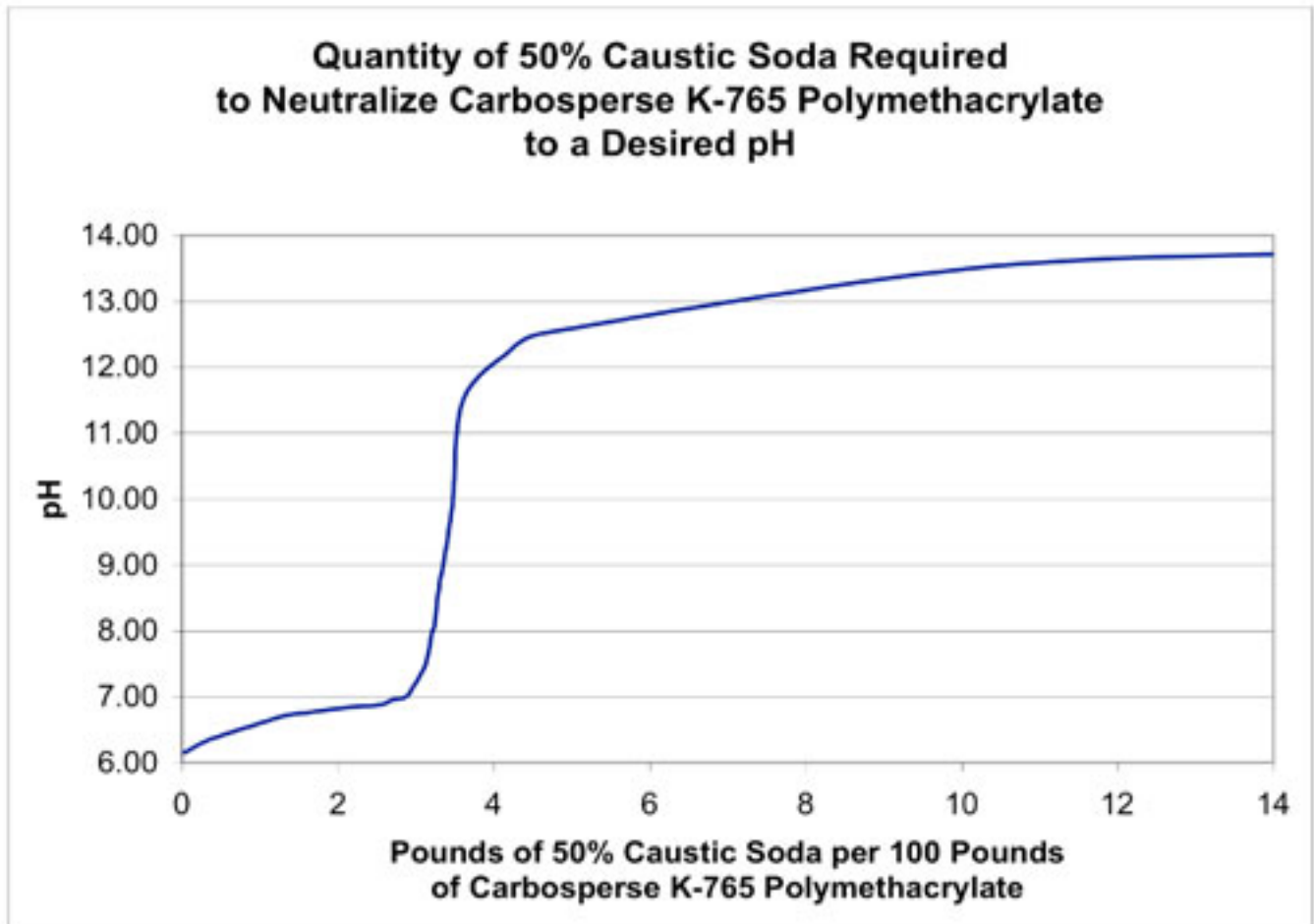
CBSK765-TDS (Jun-07)
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The quantity of 50% caustic soda needed to neutralize Carbospense K-765 polymethacrylate to a desired pH is shown graphically below.



For more information, contact Lubrizol or go to the web site noted on the preceding page.