

## Carbospense™ K-766 Sodium Polymethacrylate

Carbospense K-766 polymethacrylate is a sodium salt of a low molecular weight water soluble acrylic acid polymer supplied as a water white to amber, slightly hazy, 40% total solids solution in water.

Carbospense K-766 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-766 polymethacrylate are as follows:

Form	Water solution
Appearance	Water white to amber, slightly hazy
Total solids (%)	40 (39 to 41)*
Active solids (%)	30.1
Molecular weight** (GPC M <sub>w</sub> )	5,000
pH	7.0 (6.5 to 7.5)*
Viscosity (cP at 25°C)	450 (200 to 700)*
Specific gravity	1.25
CAS number	156559-16-9

\* Specification.

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

Carbospense K-766 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-766 polymethacrylate to be chemically acceptable as an ingredient in boiler water treatment formulations for use in federally inspected meat and poultry processing establishments.

(Over)

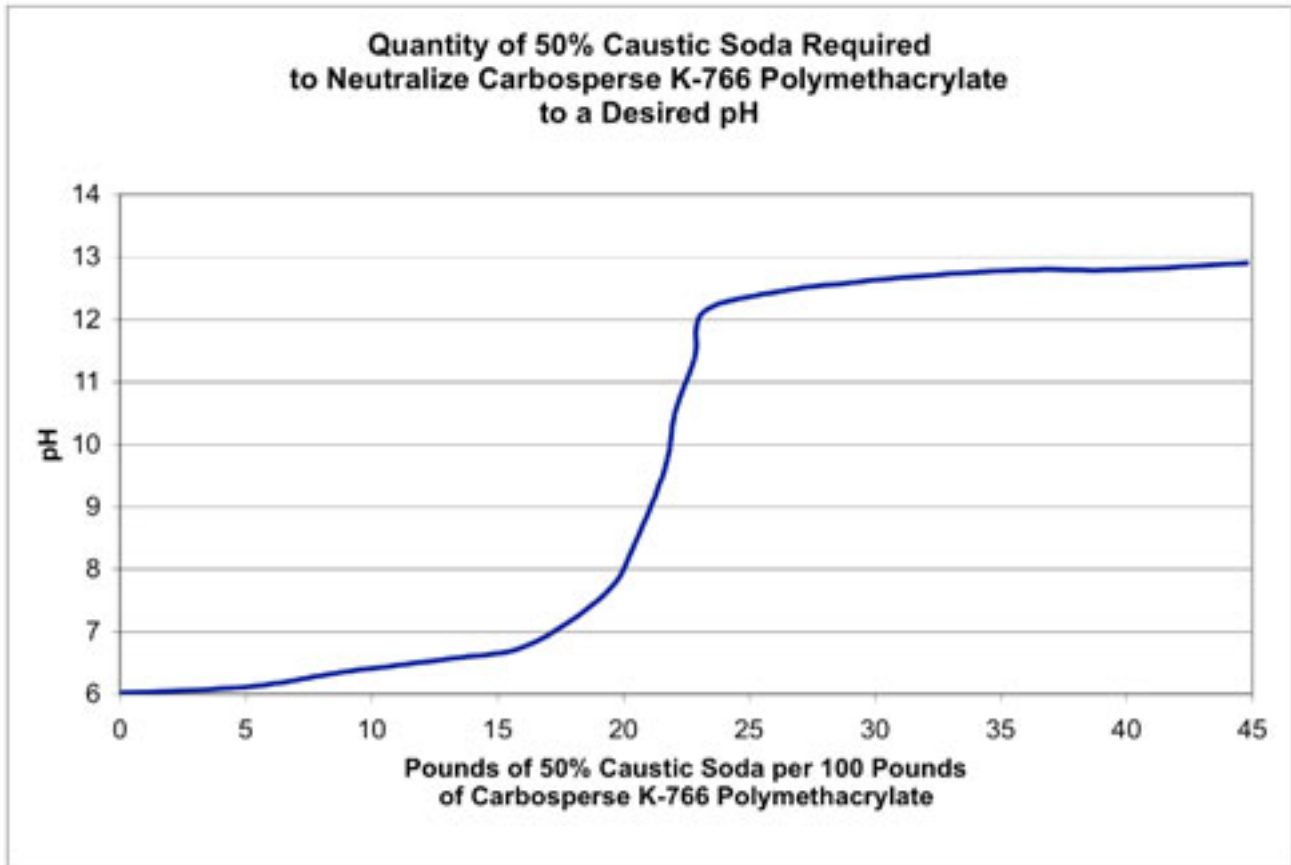
CBSK766-TDS (Jun-07)  
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The quantity of 50% caustic soda needed to neutralize Carbospense K-766 polymethacrylate to a desired pH is shown graphically below.



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