



Technical Data Sheet

MATERIAL:	Poly(acrylic acid)	
CATALOG NUMBER:	411	
CAS NUMBER:	9003-01-4	
DESCRIPTION:	63% solids in water	
FORMULA:	$(C_3H_4O_2)_x$	
TYPICAL PROPERTIES:	Appearance:	Clear, amber colored solution
	Approx Mw:	2,000
	Refractive index:	n_D^{25} 1.527
	Density:	1.23
	Viscosity:	400-1,200 cp (25°C)
	pH:	2.2-3.0
	Solubility:	Dioxane, ethanol, methanol, water

GENERAL INFORMATION: This product is used in applications requiring high carboxylic content without appreciable increase in viscosity. Application areas include paper sizing, drilling fluids and water treatment. Can be neutralized with a variety of reactants including ammonium hydroxide, selected amines, urea and caustic. Neutralized derivatives have been used in a variety of applications including hand creams, toothpastes, shaving creams, latex thickeners and hand cleaners.

STRUCTURE:

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